

Supporting Information

A pyridine-boryl radical mediated cascade reaction towards the synthesis of indolizines: a computational mechanistic analysis

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1. The reaction mechanism for the $B_2\text{pin}_2$ -mediated cyclization/aromatization to construct indolizine

1.1 The complete potential energy surface of a radical addition pathway (path a)

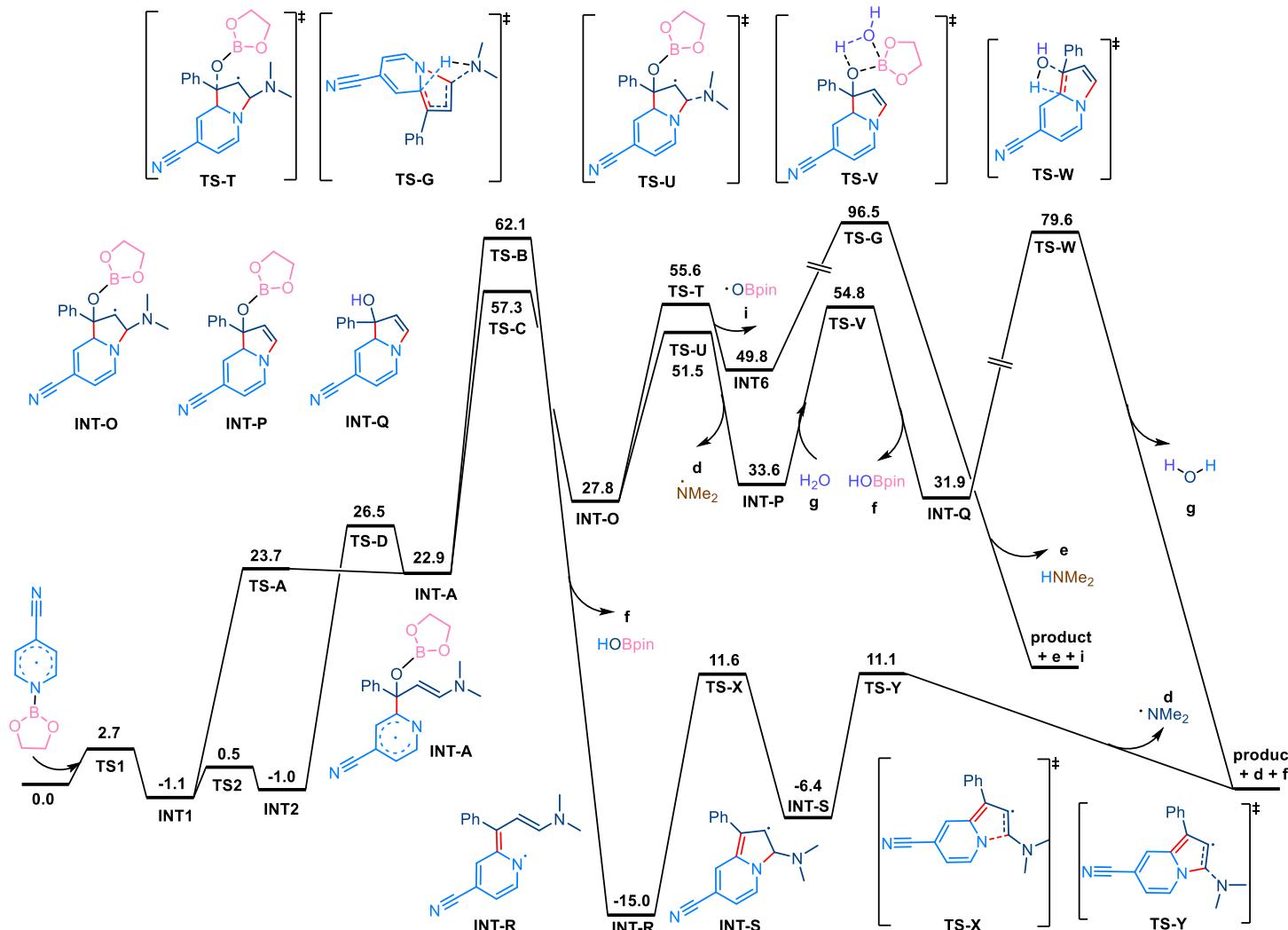


Figure S1 Radical addition pathway (path a). The repeated same structures with the manuscript were not shown.

We first performed theoretical calculations on the traditional Minisci-type radical addition route, however, it was ruled out due to the high barriers of TS-B and TS-C ($\Delta G_{\text{INT1} \rightarrow \text{TS-B}^\ddagger} = 63.2$ kcal/mol, $\Delta G_{\text{INT1} \rightarrow \text{TS-C}^\ddagger} = 58.4$ kcal/mol).

1.2 Transition states of Py-[B][•] and ketyl radical cross-coupling

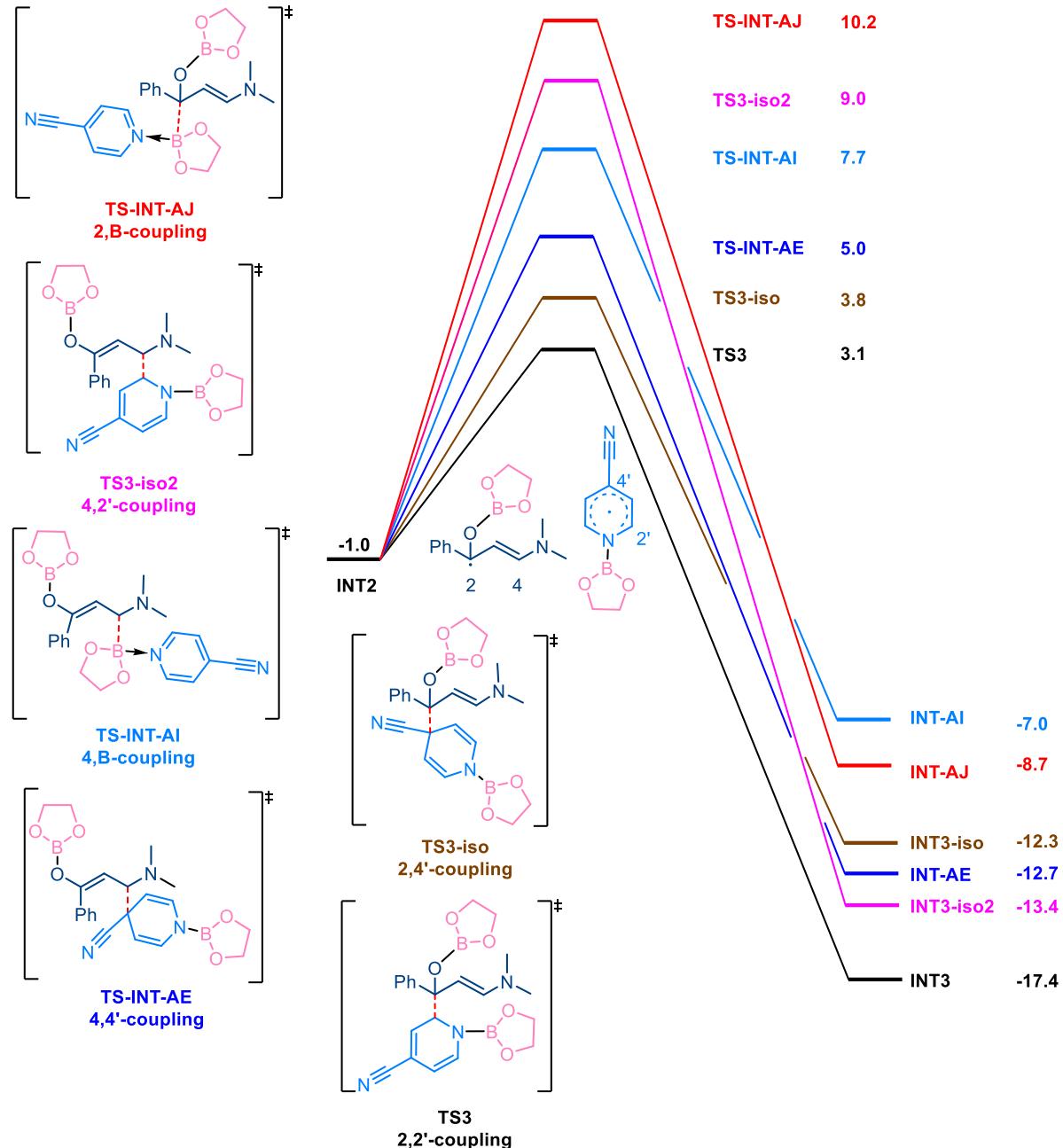


Figure S2 The possible pathways for radical-radical cross-coupling between Py-[B][•] and ketyl radicals

These results suggested that 2,2'-coupling was the most favourable pathway for radical-radical cross-coupling, which was in consistence with experimental observations.

1.3 1,3-Amine elimination facilitated by H-shuttle

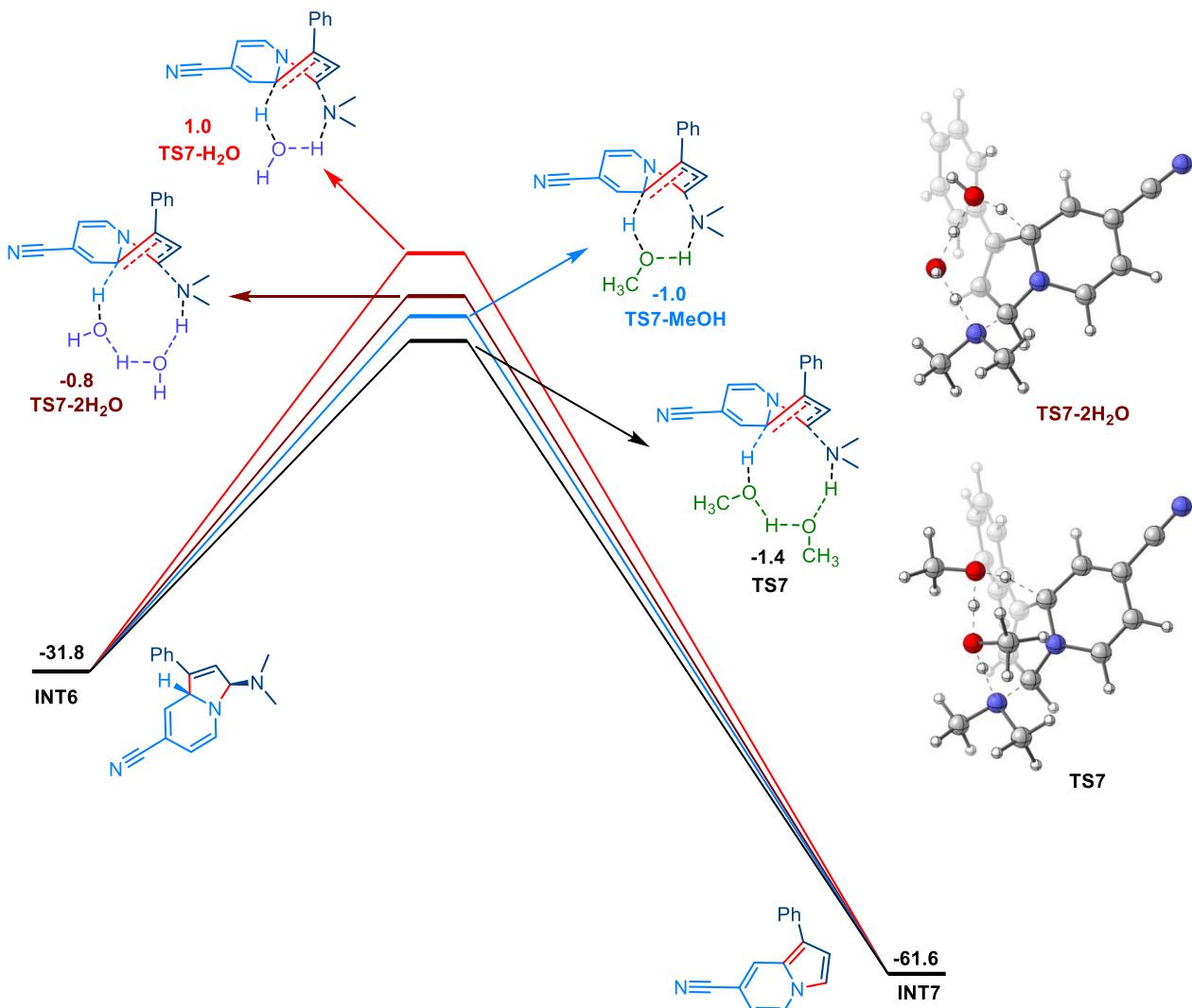
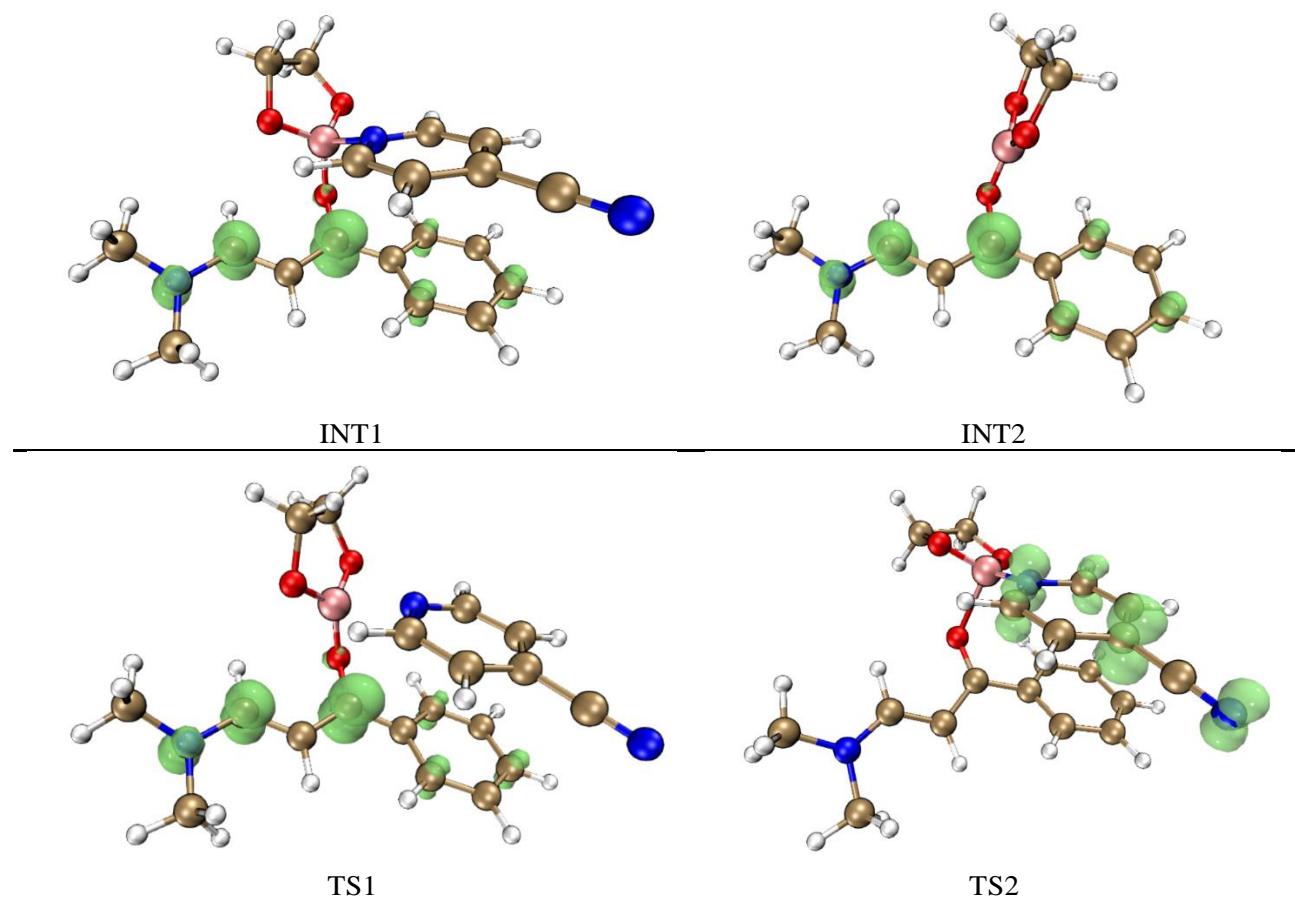


Figure S3 1,3-amine elimination pathways

DFT calculations indicate that, compared to the direct 1,3-amine elimination without the assistance of hydrogen-shuttle, the H-shuttle assisted 1,3-amine elimination process can significantly lower the barrier of the elimination process ($\Delta G_{\text{INT6} \rightarrow \text{TS-G}^{\ddagger}} = 46.7 \text{ kcal/mol}$, $\Delta G_{\text{INT6} \rightarrow \text{TS7}^{\ddagger}} = 30.4 \text{ kcal/mol}$, $\Delta G_{\text{INT6} \rightarrow \text{TS7-2H}_2\text{O}^{\ddagger}} = 31.0 \text{ kcal/mol}$, $\Delta G_{\text{INT6} \rightarrow \text{TS8}^{\ddagger}} = 25.4 \text{ kcal/mol}$), with the amine-bridge assisted elimination having the lowest barrier, followed by the alcohol bridge and then the water bridge.

1.4 Spin density analysis

Table S1 Spin density analysis of selected intermediates and transition states



1.5 The other possible reaction pathways starting from INT3

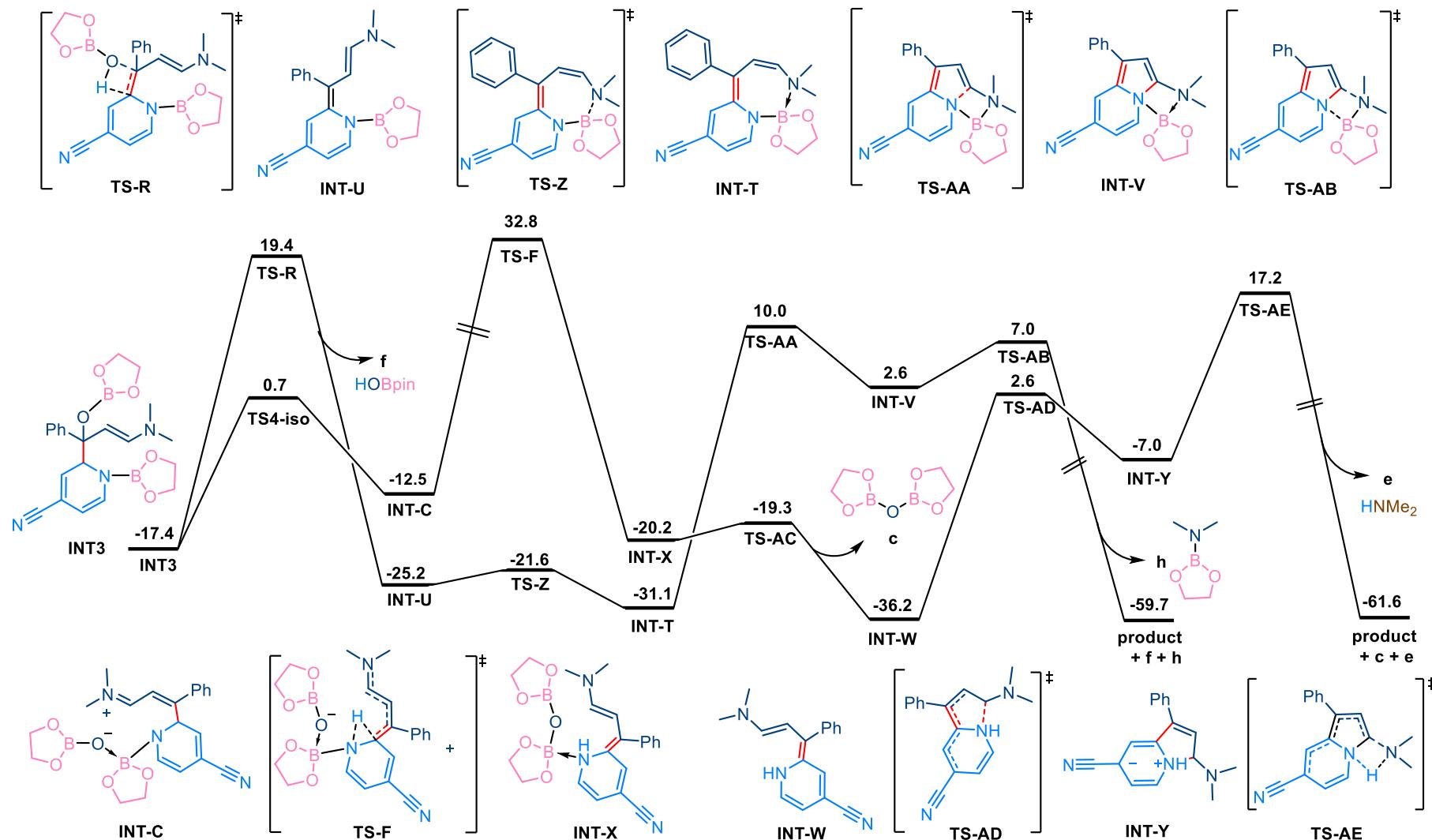


Figure S4 The other possible reaction pathways starting from **INT3**

Calculations identified additional possible pathways for the production of the final product from **INT3**. **INT3** could generate **INT-C** via **TS4-iso**, with **INT-C** and **INT4** being diastereoisomers. Due to the constraints of their spatial structures, **INT-C** could only undergo a 1,2-H shift process, followed by a cyclisation and 1,2-elimination of an amine to produce the final product. This pathway was excluded due to the high energy barrier at **TS-F** ($\Delta G_{\text{INT3} \rightarrow \text{TS-F}^\ddagger} = 50.2 \text{ kcal/mol}$).

Alternatively, INT3 could proceed by elimination of H[B], affording INT-U containing N-[B] motifs. The following coordination of the B atom by -NMe₂ would generate a cyclic structure, which might facilitate the formation of the cyclisation intermediate INT-V and the final elimination of [B]NMe₂ to afford the desired product. This pathway was also excluded due to the high energy barrier at TS-R ($\Delta G_{INT-3 \rightarrow TS-R}^{\ddagger} = 36.8$ kcal/mol) and TS-AA ($\Delta G_{INT-T \rightarrow TS-AA}^{\ddagger} = 41.1$ kcal/mol).

1.6 The other possible reaction pathways starting from INT4

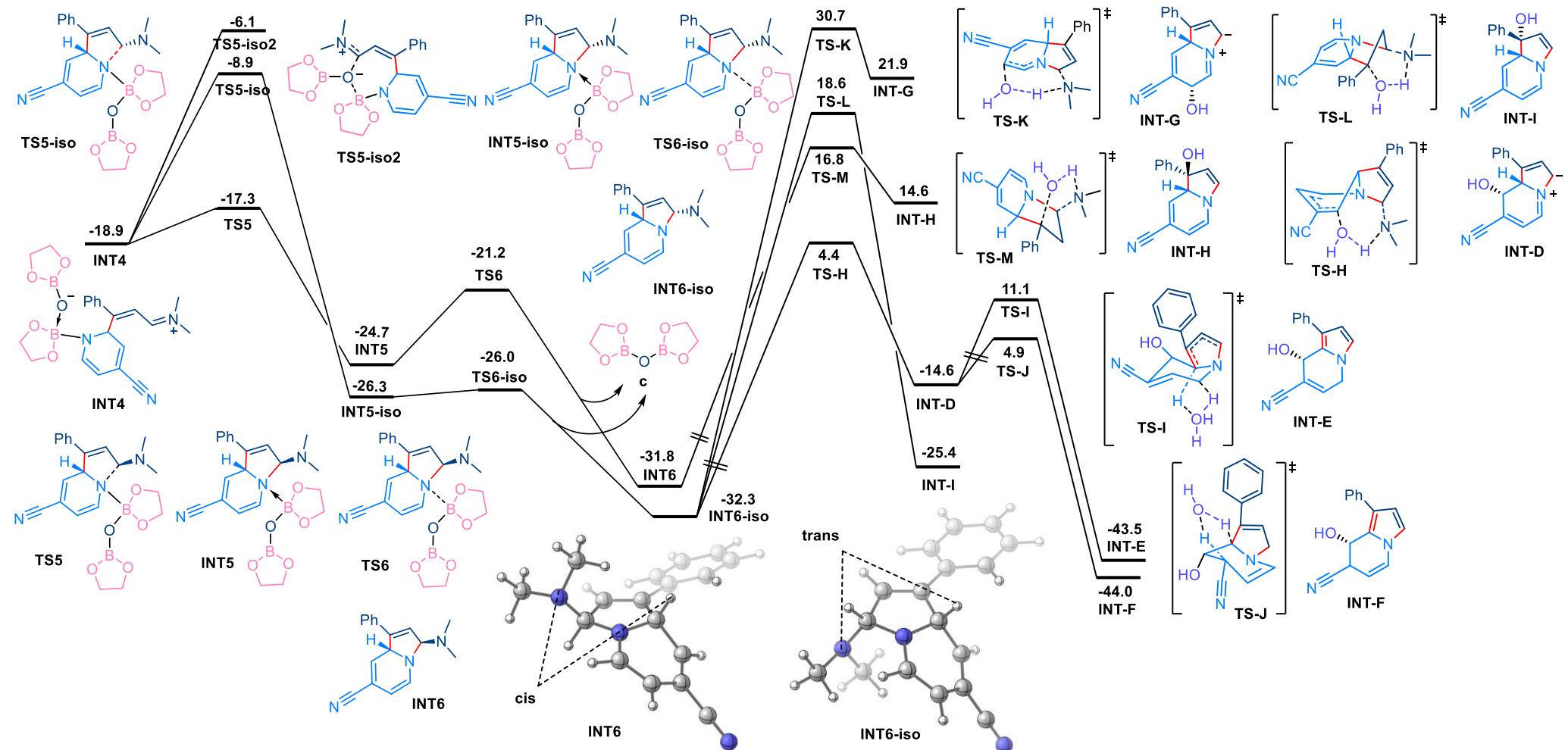
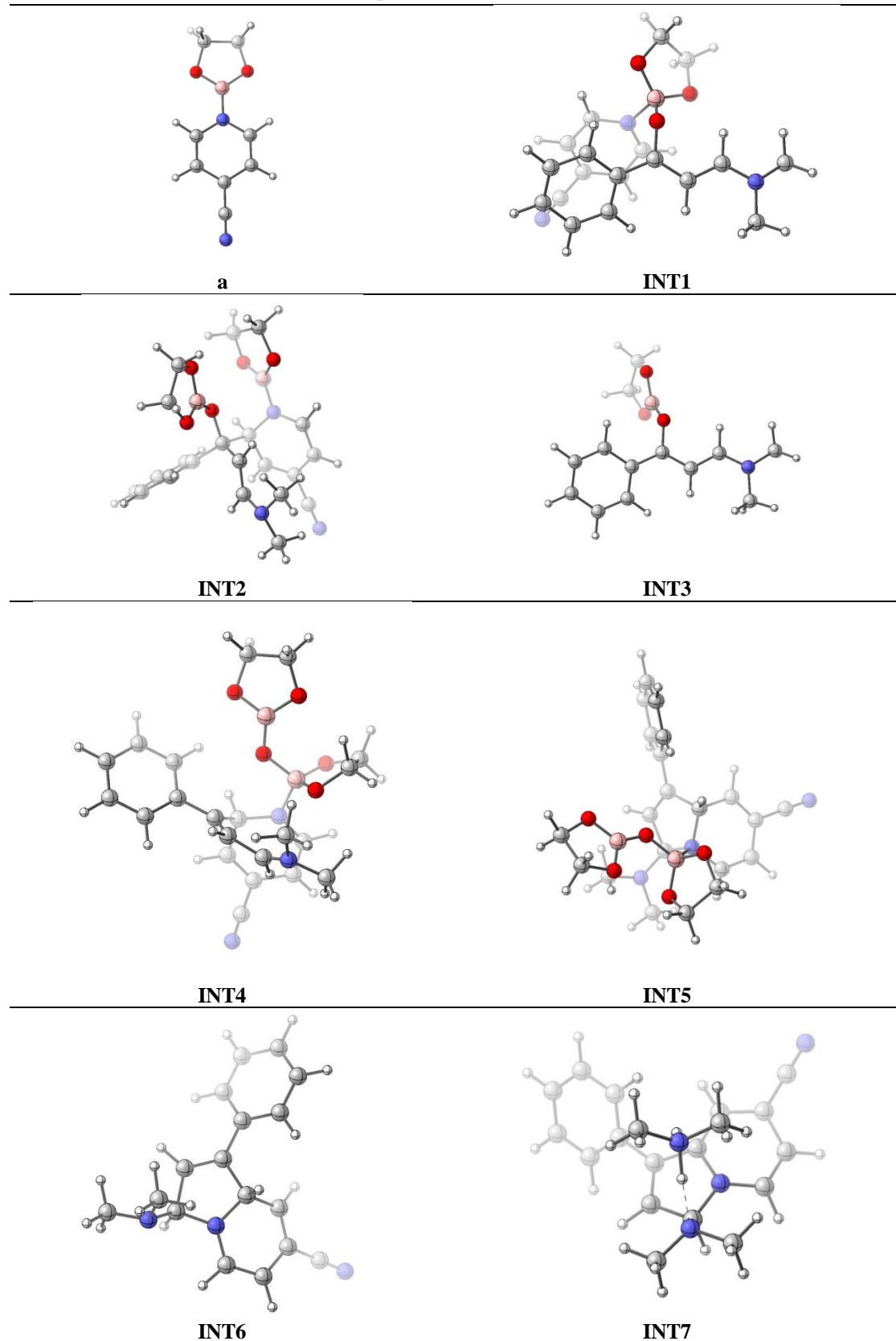


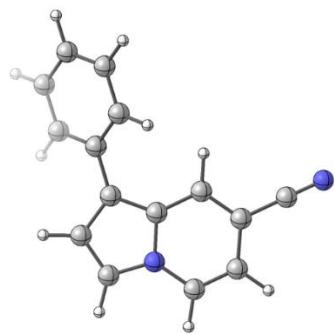
Figure S5 The other possible reaction pathways starting from INT4

Structures corresponding to the molecular weights detected by HRMS-ESI, as reported in the experimental literature, were calculated. INT6-iso can be generated via TS5-iso and TS6-iso, with these isomers containing NMe₂ and H on the opposite sides of the cyclised ring, preventing the direct elimination of amines. Subsequently, the possible pathways for the formation of byproducts from INT6-iso were explored. The pathway with the lowest energy barrier involved passing through TS-H and TS-J to generate INT-F, which corresponded to the molecular weight detected by HRMS-ESI. The highest energy barrier encountered in forming INT-F is $\Delta G_{\text{INT6} \rightarrow \text{TS-H}\ddagger} = 36.7$ kcal/mol. At a reaction temperature of 110 °C, it was plausible for the formation of a trace amount of INT-F.

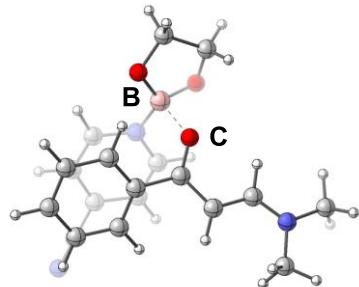
1.7 Structures of important intermediates and transition states

Table S2 Structures of important intermediates and transition states

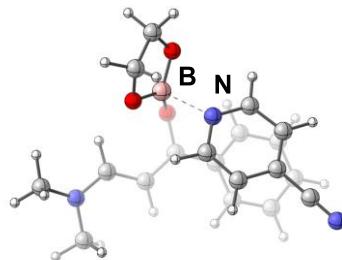




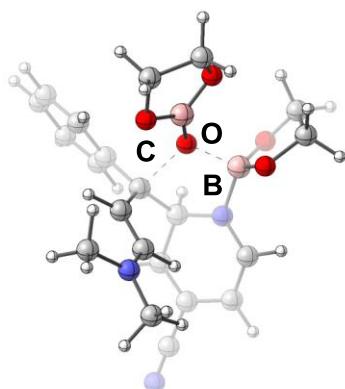
INT8



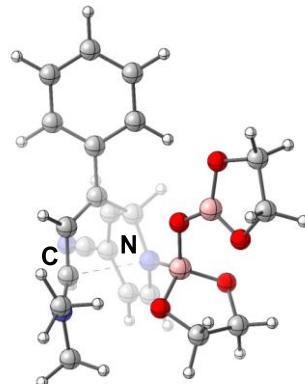
TS1
B-O:1.91849



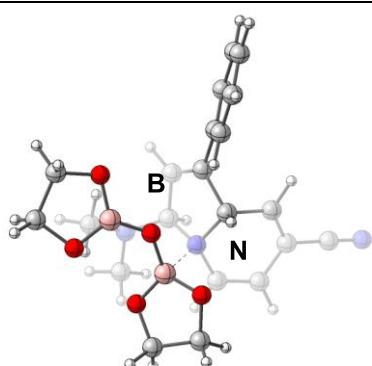
TS2
B-N:2.20558



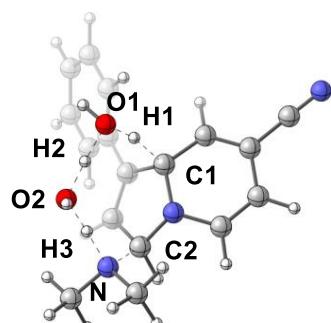
TS3-1
C-O:1.86949
B-O:1.60323



TS4
C-N:2.53806

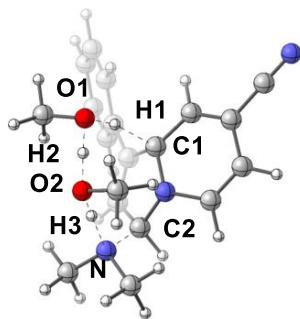


TS5
B-N:2.10453

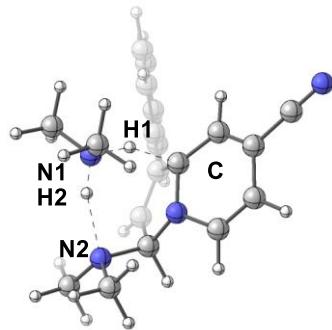


TS6
C1-H1:1.50419
H1-O1:1.14971
O1-H2:1.21004
H2-O2:1.18624
O2-H2:1.18215

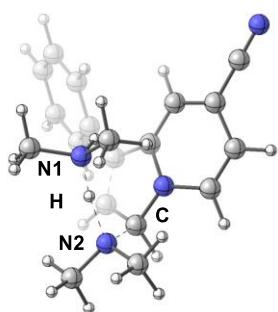
H3-N:1.30614
N-C2:1.53513



TS7
C1-H1:1.59599
H1-O1:1.09818
O1-H2:1.17219
H2-O2:1.21604
O2-H2:1.07935
H3-N:1.47665
N-C2:1.52552



TS8
C-H1:1.52276
H1-N1:1.20316
N1-H2:1.05014
H2-N2:1.85691



TS9
N1-H:1.16633
H-N2:1.47041
N2-C:1.56553

2. The reaction mechanism for the $B_2\text{pin}_2$ -mediated cyclization/aromatization to construct pyrrolo[2,1,5-cd]indolizines

2.1 $B_2\text{pin}_2$ -mediated cyclization/aromatization to construct pyrrolo[2,1,5-cd]indolizine

In addition to the cyclization/aromatization reaction of enaminones with pyridines, Huang group has shown that cyclopropyl-containing enaminones can undergo cascade reactions with pyridines to construct pyrrolo[2,1,5-cd]indolizines. DFT calculation was also performed to explore the detailed reaction mechanism of this cascade reaction.

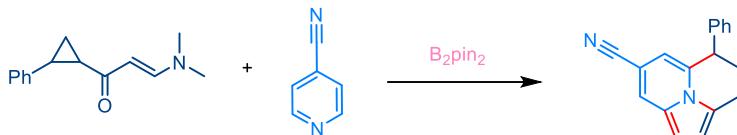


Figure S6 The construction of pyrrolo[2,1,5-cd]indolizines

2.2 Ring opening of cyclopropane and radical-radical cross-coupling

As shown in Figure S7, the ketyl radical intermediate **INT11** was obtained via stepwise boryl radical transfer processes, by virtue of the intermediation of four-coordinate boryl species **INT10**. The following ring opening of cyclopropane was realized via **TS12**, with an energy barrier of 11.5 kcal/mol relative to **INT11** ($\Delta G_{\text{INT11} \rightarrow \text{TS-12}^\ddagger} = 11.5$ kcal/mol). The generated **INT12** was 2.3 kcal/mol more stabilized thermodynamically than **INT11**, probably due to the release of small-ring strain and the conjugated stabilization effect of benzylic radical species. Then, the radical-radical cross-coupling process could be realized via **TS-INT13** with an energy barrier of 3.1 kcal/mol ($\Delta G_{\text{INT-12} \rightarrow \text{TS-INT13}^\ddagger} = 3.1$ kcal/mol), affording **INT13**, which was much more stabilized than **INT12** by 34.9 kcal/mol, making this process hardly reversible.

2.3 H-shuttle assisted removal of the O[B] moiety and 1,2-amine elimination processes

After the generation of intermediate **INT13** through radical-radical cross-coupling, as shown in Figure S8, the migration of the O[B] moiety to Py-[B] could be realized via **TS-AJ**. However, this transition state was calculated to be endothermic by 43.4 kcal/mol, relative to **INT13**. This high energy barrier made this transition state hard to reach, rendering us to find other pathways to remove the O[B] moiety.

Fortunately, H-shuttle was found to be capable of facilitating the removal. As depicted, **TS13**, containing H-shuttle consisting of three MeOH molecules, was more feasible than **TS-AJ** by 14.9 kcal/mol. Unlike the common H-shuttle that transfer an H atom along the molecular chain, **TS13** resembled a metathesis process. Via **TS13**, the boryl group on pyridines was connected to the methoxy of one MeOH, while the O[B] moiety was connected to the H atom at the other end of these three MeOH chain. By virtue of **TS13**, HO[B] and MeO[B] were generated simultaneously, with the latter MeO[B] still coordinated to pyridines. In the meanwhile, the zwitterionic intermediate **INT14**, containing iminium cation, borate ion and allene units, was obtained. This species was 27.0 kcal/mol more endothermic than **INT13**.

The following intramolecular nucleophilic attack of pyridyl N towards the internal C atom of the allene occurred via **TS15**, a facile transition state with a very low energy barrier of 3.6 kcal/mol. The IRC analysis showed MeO[B] would be released simultaneously during the cyclisation process, leading to **INT16**, which was 37.5 kcal/mol more exothermic than **INT14**. This implied the formation of **INT16** was irreversible.

Direct elimination of the amine via a metathesis process from **INT16** exhibited an extremely high energy barrier ($\Delta G_{\text{INT16} \rightarrow \text{TS-AL}}^{\ddagger} = 94.6$ kcal/mol). Alternatively, **INT16** could undergo a H-shuttle assisted 1,4-H shift process to yield another zwitterionic species **INT17**. The rearomatization of pyridyl structure made **INT17** exothermic by 3.7 kcal/mol, relative to **INT16**.

Subsequently, the zwitterionic **INT17** underwent intramolecular nucleophilic attack to form **INT18** ($\Delta G_{\text{INT17} \rightarrow \text{TS19}}^{\ddagger} = 25.0$ kcal/mol). Finally, the product was obtained via **TS20**, an H-shuttle assisted elimination of the amine transition state ($\Delta G_{\text{INT18} \rightarrow \text{TS20}}^{\ddagger} = 24.4$ kcal/mol), because 1,2-elimination from **INT18** was found energetically unfeasible (**TS-AL**, 56.4 kcal/mol).

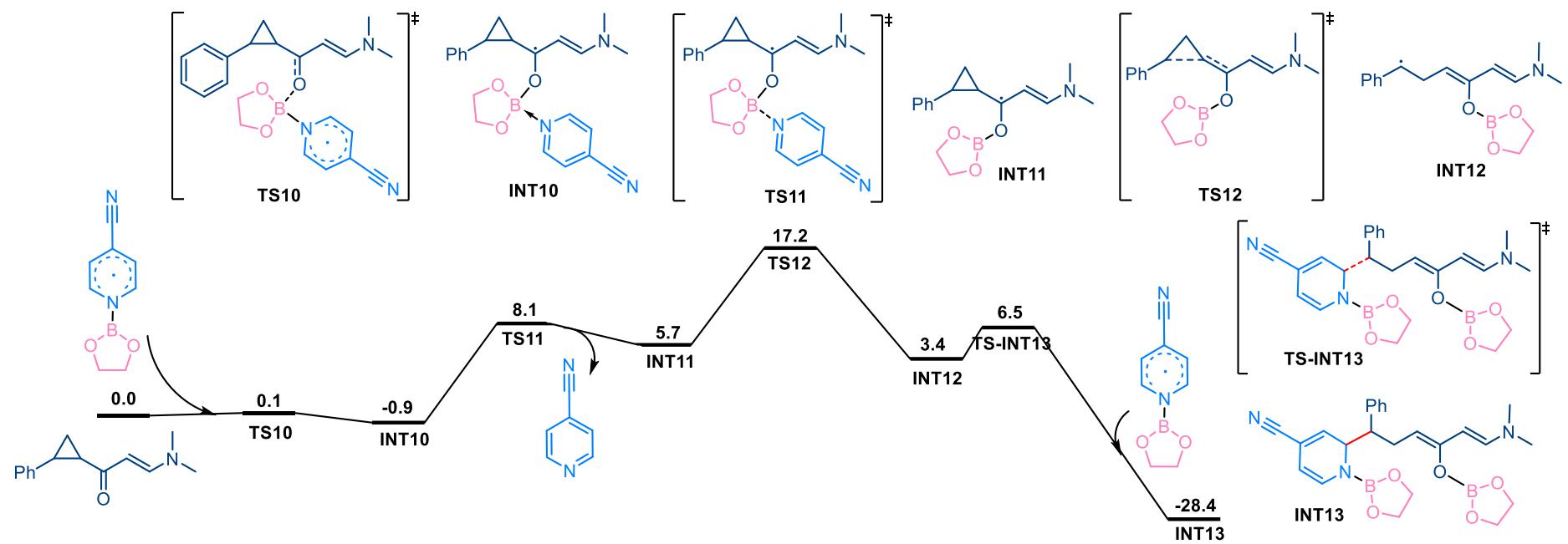


Figure S7 Ring opening of cyclopropane and radical-radical cross-coupling processes

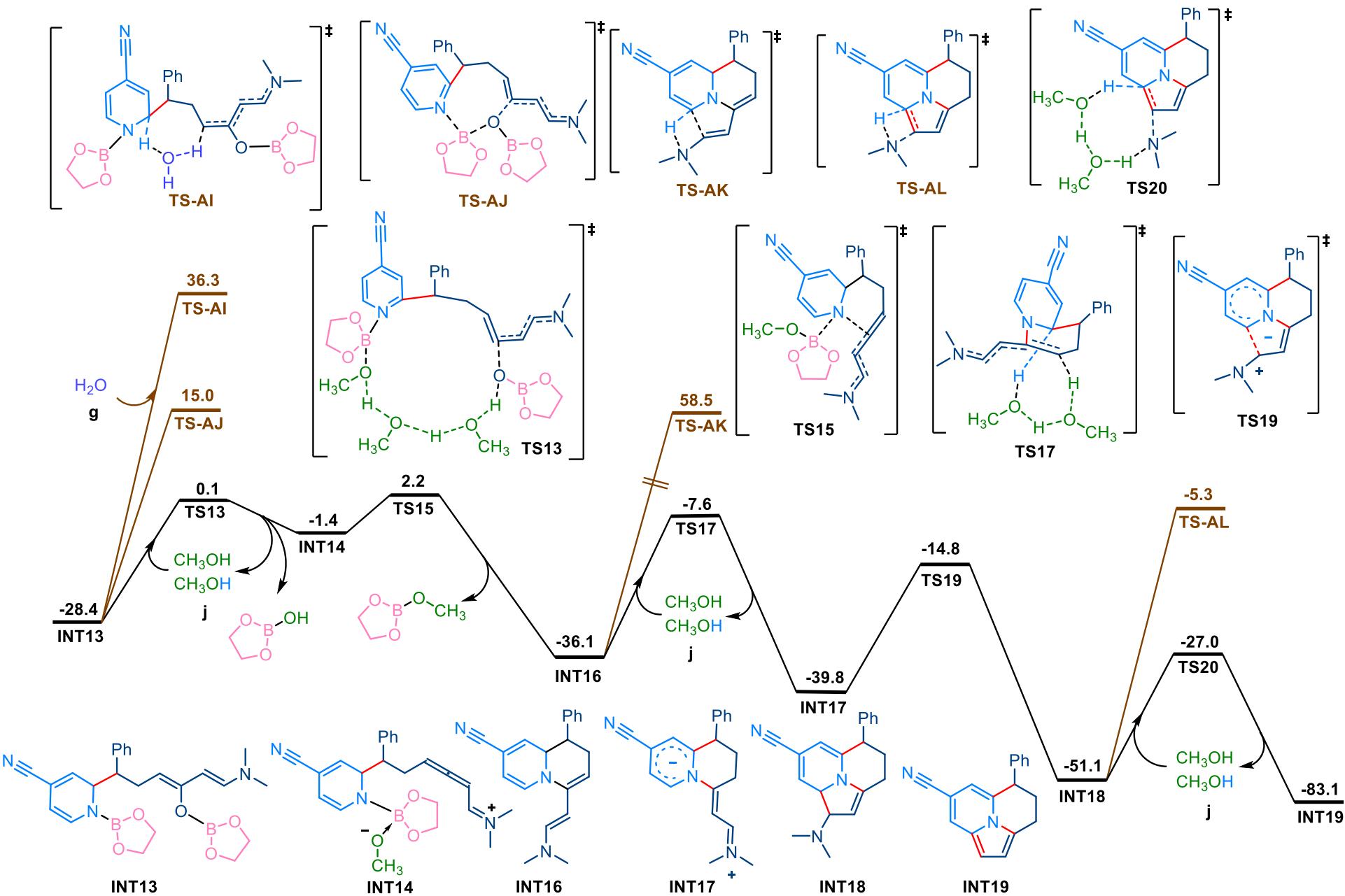


Figure S8 H-shuttle assisted removal of the $\text{O}[\text{B}]$ moiety and 1,2-amine elimination processes

2.4 Other H-shuttle assisted removal of the O[B] moiety pathways

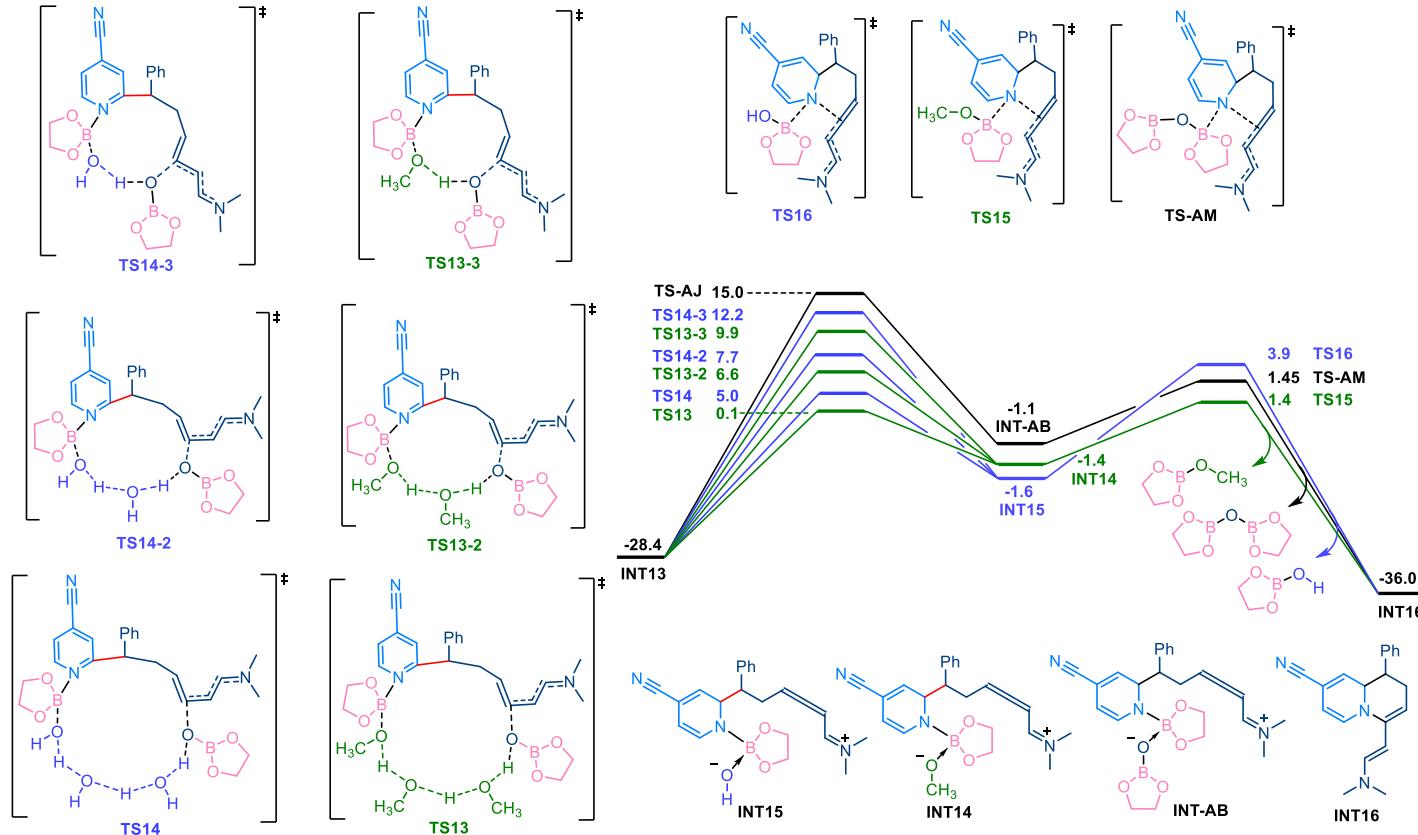


Figure S9 Other H-shuttle assisted removal of the O[B] moiety pathways

The water- and amine-assisted O[B] migration processes were calculated. In these steps, the migration can be facilitated by up to three assisting molecules, with the barrier decreasing as the number of bridging molecules increased. The barrier for alcohol bridges were lower than that of water bridges.

2.5 Other 1,4-H shift pathways facilitated by “water bridge” or “alcohol bridge”

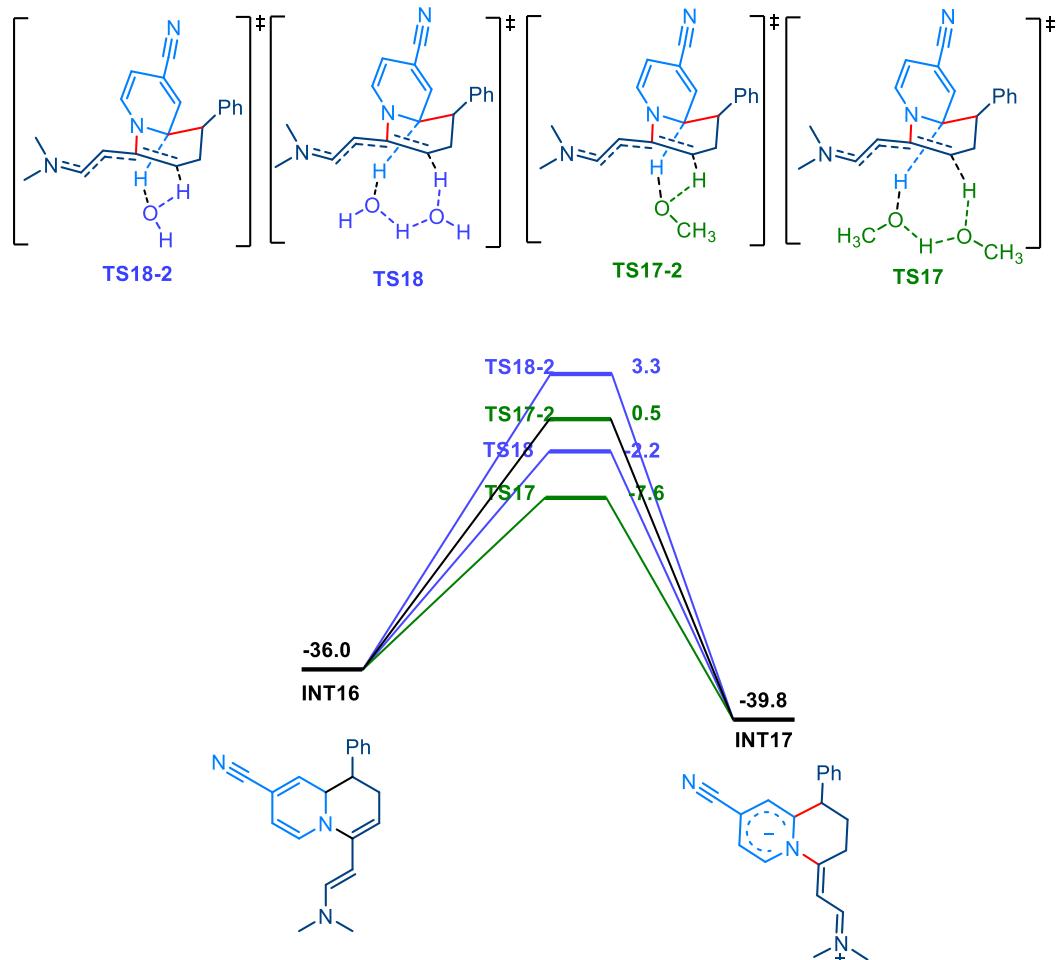


Figure S10 Other 1,4-H shift pathways

2.6 Other elimination pathways of amines facilitated by “water bridge” and “alcohol bridge”

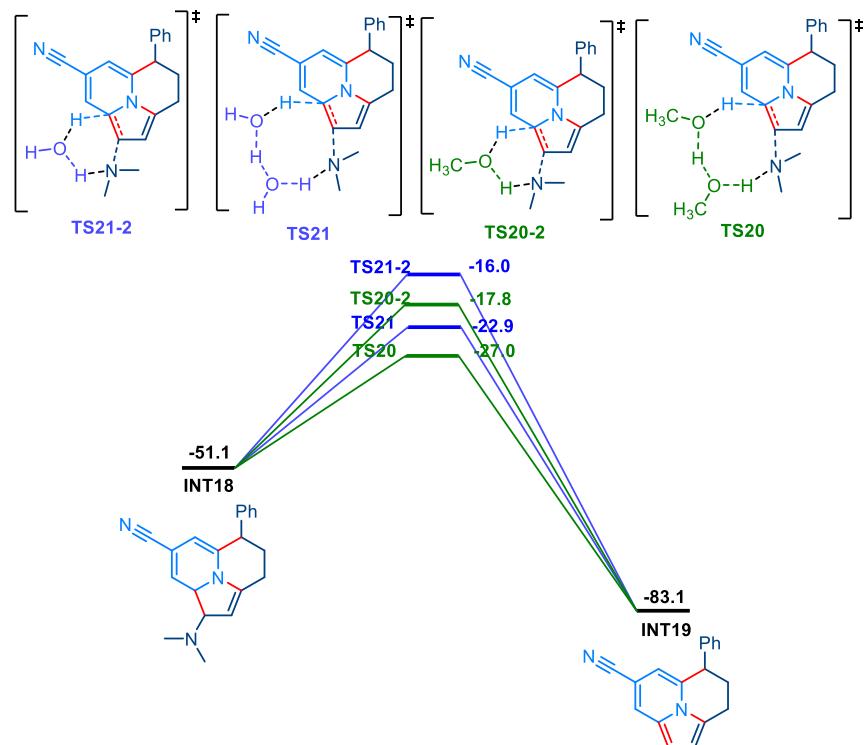
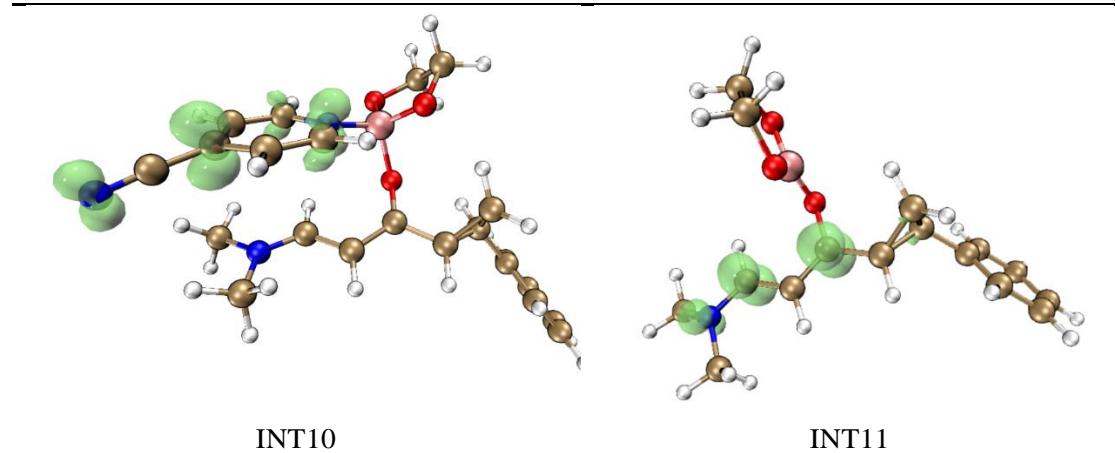
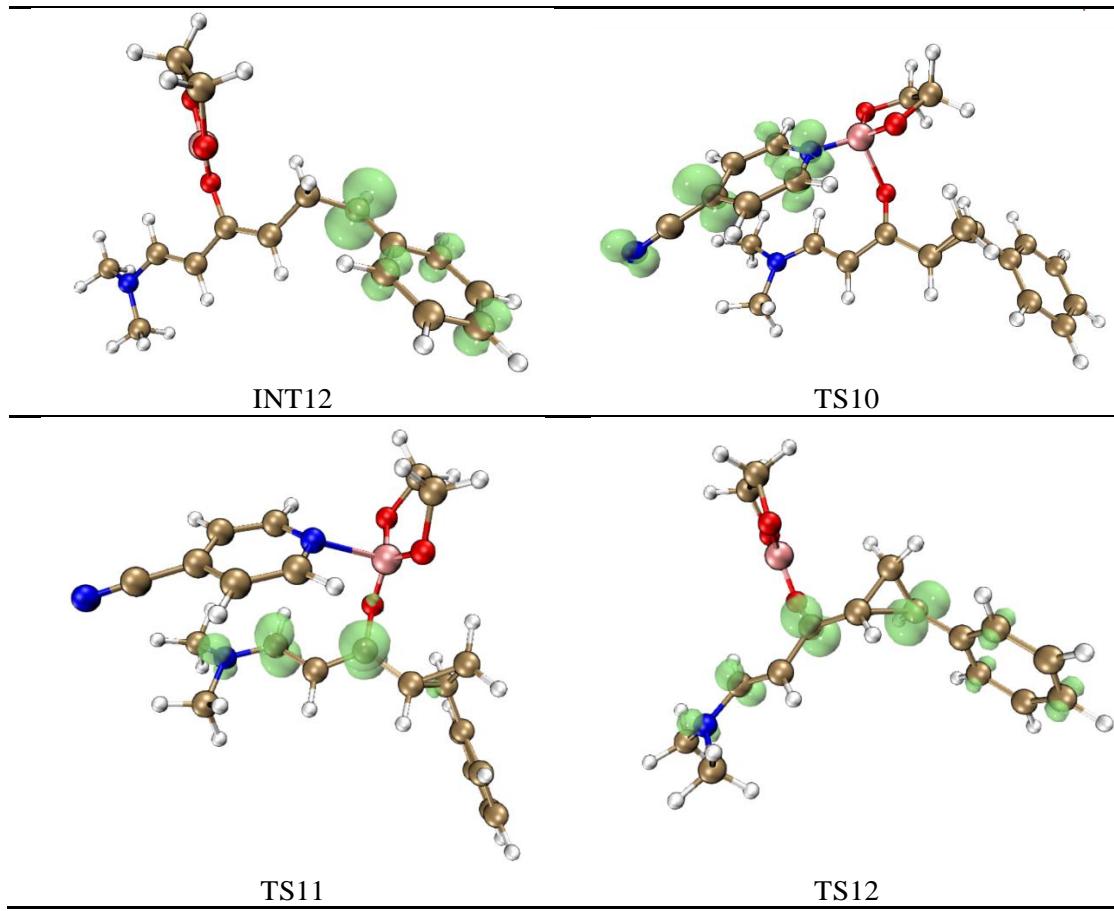


Figure S11 Other elimination pathways of amines

2.7 Spin density analysis

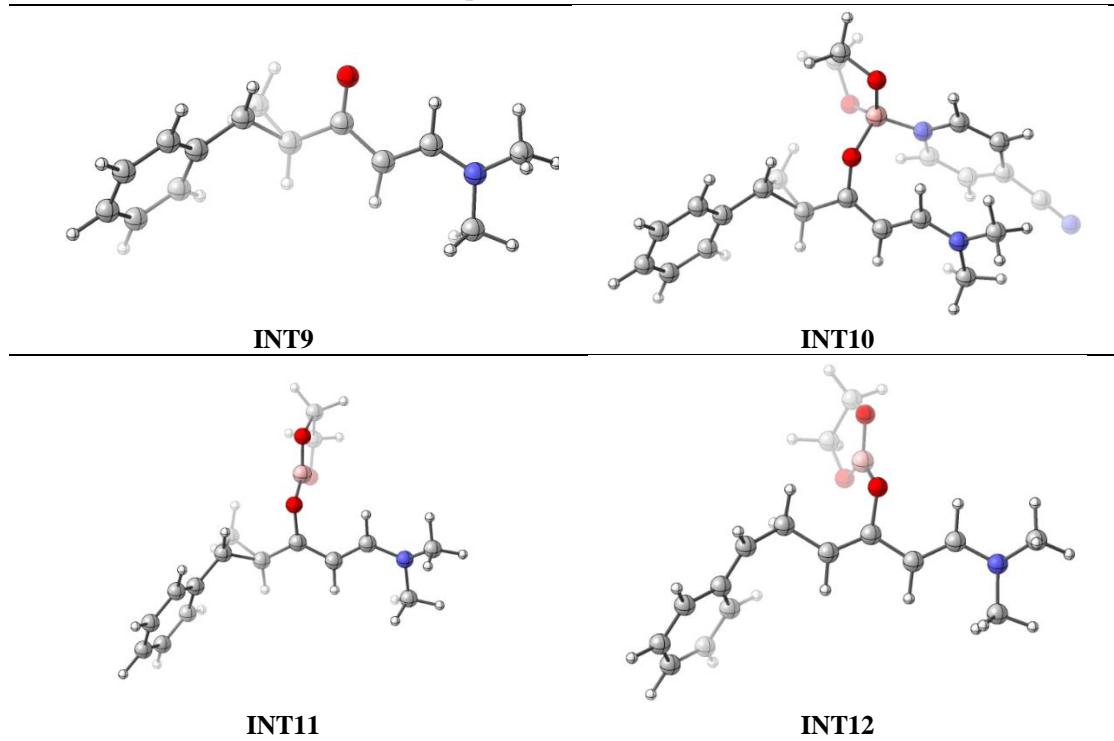
Table S3 Spin density analysis

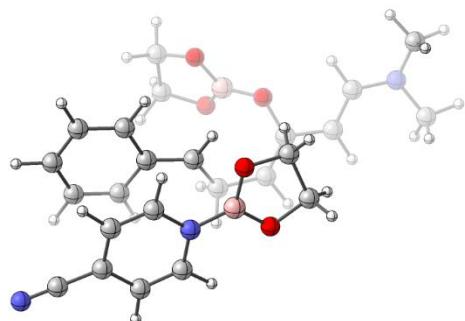




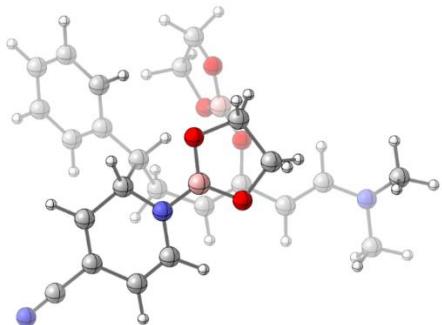
2.8 Structures of important intermediates and transition states

Table S4 Structures of important intermediates and transition states

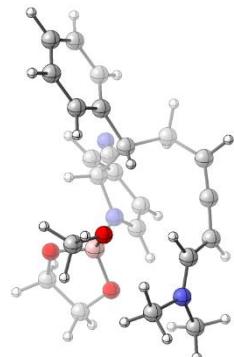




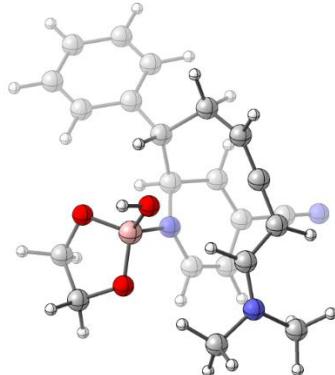
INT12+a



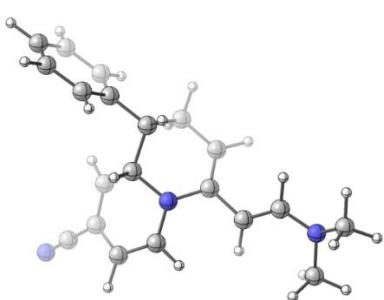
INT13



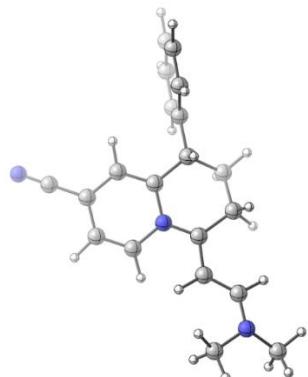
INT14



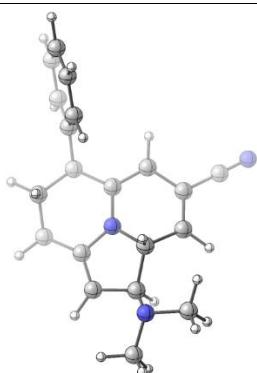
INT15



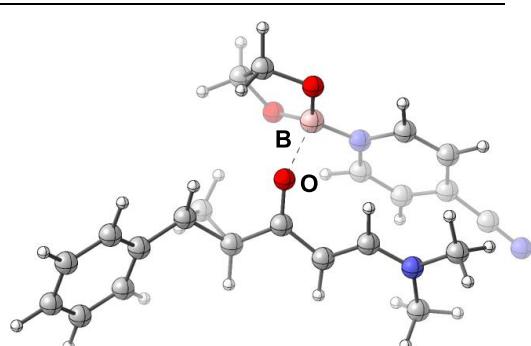
INT16



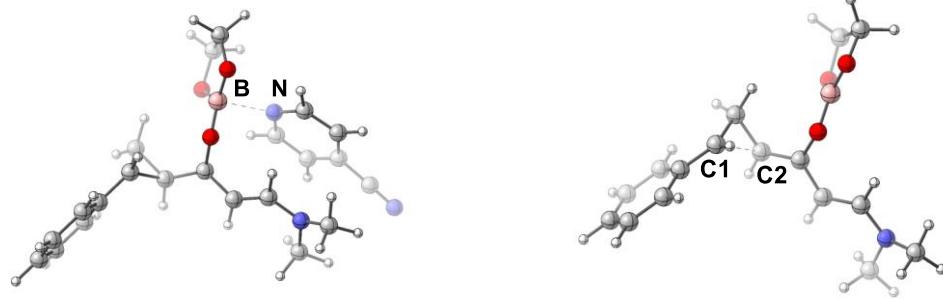
INT17



INT18

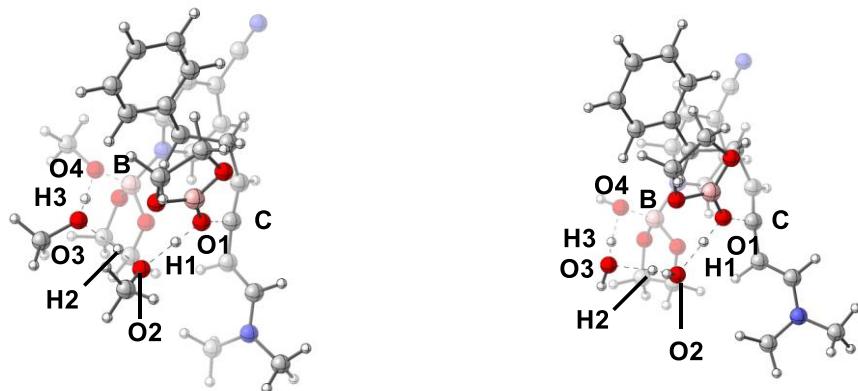


TS10
B-O:1.93221



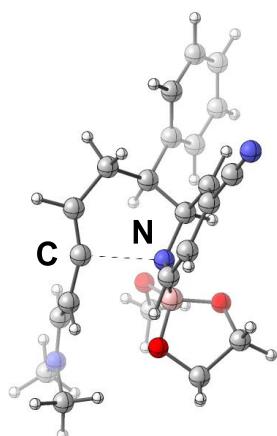
TS11
B-N:2.12686

TS12
C1-C2:1.94817

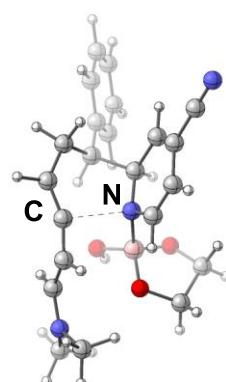


TS13
C-O1:1.93054
O1-H1:1.06020
H1-O2:1.41009
O2-H2:1.01533
H2-O3:1.56102
O3-H3:1.01072
H3-O4:1.53324
O4-B:1.48791

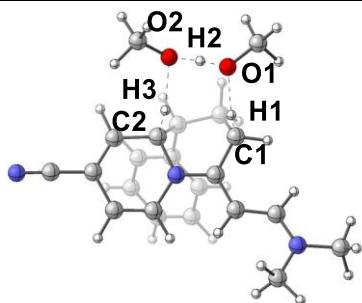
TS14
C-O1:1.93557
O1-H1:1.05550
H1-O2:1.42548
O2-H2:1.00971
H2-O3:1.60233
O3-H3:1.00193
H3-O4:1.60786
O4-B:1.48518



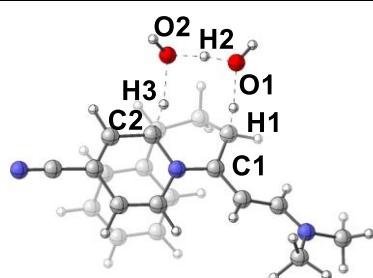
TS15
C-N:2.36593



TS16
C-N:2.38162

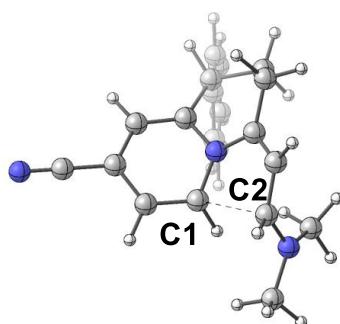


C1-H1:1.12899
H1-O1:1.79441
O1-H2:1.10676
H2-O2:1.30624
O2-H3:1.76336
H3-C2:1.12084



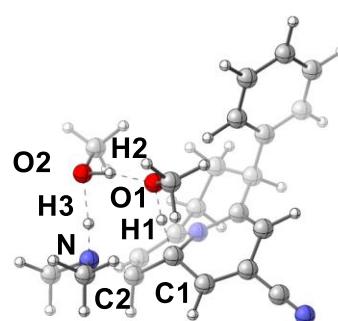
TS18

C1-H1:1.15067
H1-O1:1.68603
O1-H2:1.12292
H2-O2:1.30507
O2-H3:1.66461
H3-C2:1.14319



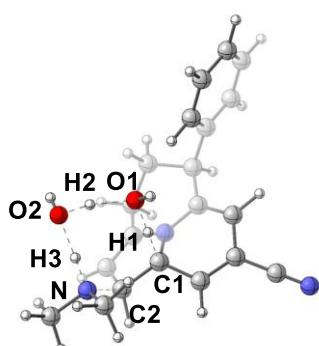
TS19

C1-C2:2.38498



TS20

C1-H1:1.36536
H1-O1:1.24278
O1-H2:1.43279
H2-O2:1.04115
O2-H3:1.53568
H3-H:1.08699
N-C2:1.55131

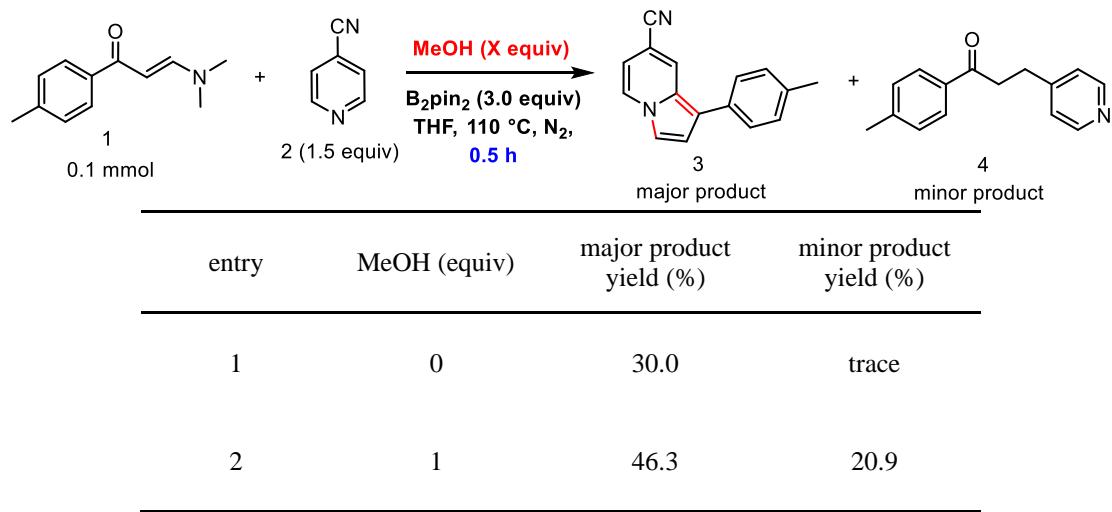


TS21

C1-H1:1.37527
H1-O1:1.24644
O1-H2:1.41819
H2-O2:1.05590
O2-H3:1.50669
H3-H:1.09528
N-C2:1.54477

3 Control experiments

Experimental procedure: To a 20 mL sealed tube with magnetic stirrer bar, enaminone (0.1 mmol), B_2pin_2 (3.0 equiv), THF (1.0 mL), pyridine derivative (1.5 equiv) and MeOH (1.0 equiv) were successively added and vigorously stirred together in 110 °C oil bath under N₂ atmosphere. After the reaction was finished, the mixture was cooled to room temperature. The reaction was quenched with saturated NH₄Cl aq. and extracted with EtOAc (3 × 15 mL). The combined ethyl acetate layer was washed with brine (10 mL) and dried over anhydrous Na₂SO₄. The solvent was removed under vacuum. The crude product was purified by flash column chromatography (eluting with petroleum ether/ethyl acetate) on silica gel to afford **3** and **4**.



If the alcohol-mediated amine elimination process was the rate-determining step, the reaction rate should increase as the concentration of alcohols increased. In the same time scale, adding additional alcohols should produce more products. However, when we performed the reactions containing additional MeOH at 110 °C for 24 hours. An inseparable mixture was obtained. Therefore, the reaction time was shortened herein.

As shown above, when 1.0 equiv of alcohols were added to the reaction system, the yield of the desired product **3** increased correspondingly, indicating the alcohols were involved in the rate-determining step. Furthermore, it was found that the added alcohols could induce and accelerate other side reactions, which also eliminated amino motifs and led to the minor product **4**.

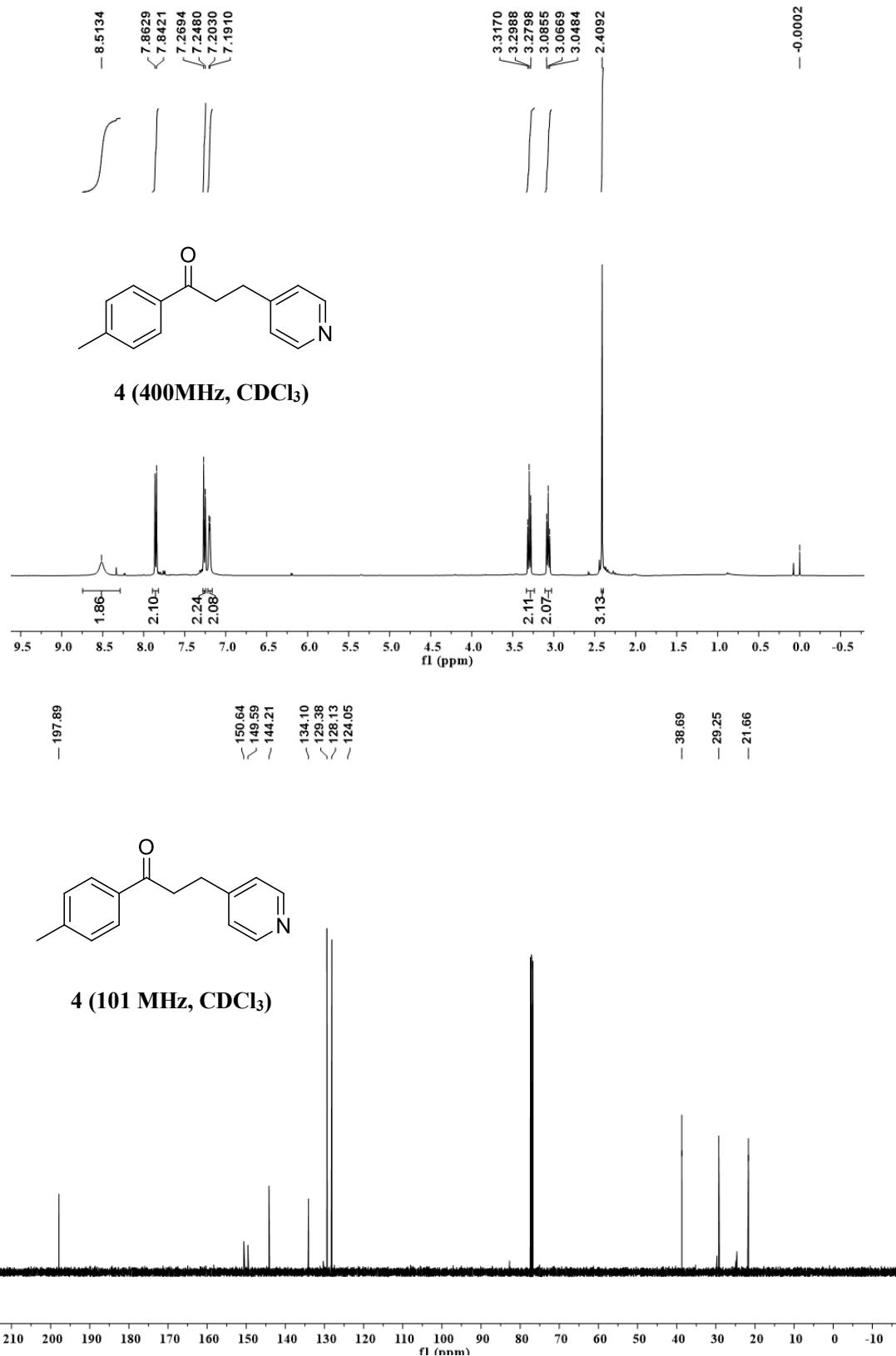
4. NMR Spectra of **4**

3-(pyridin-4-yl)-1-(p-tolyl)propan-1-one (**4**)

The compound was obtained as yellow oil. (PE/EtOAc = 10:1) 4.7 mg, 20.9% yield.

¹H NMR (400 MHz, CDCl₃) δ 8.51 (s, 2H), 7.85 (d, *J* = 8.4 Hz, 2H), 7.26 (d, *J* = 8.4 Hz, 2H), 7.20 (d, *J* = 4.8 Hz, 2H), 3.30 (t, *J* = 7.2 Hz, 2H), 3.07 (t, *J* = 7.6 Hz, 2H), 2.41 (s, 2H).

¹³C NMR (101 MHz, CDCl₃) δ 197.9, 150.6, 149.6, 144.2, 134.1, 129.4, 128.1, 124.1, 38.7, 29.6, 21.7.



5. The calculated energies and imaginary frequencies.

Table S5 The computed data

| Entry | E_c^a | E_c^b | H^c | G^d | <i>Imaginary frequency</i> |
|---|----------|--------------|--------------|--------------|----------------------------|
| a | 0.122217 | -594.156113 | -594.144144 | -594.194808 | / |
| b | 0.058175 | -340.300485 | -340.293573 | -340.330719 | / |
| B ₂ Pi _n ₂ | 0.104698 | -507.666629 | -507.656212 | -507.704549 | / |
| c | 0.110573 | -582.975773 | -582.964783 | -583.013852 | / |
| d | 0.051623 | -134.356150 | -134.350520 | -134.382871 | / |
| e | 0.068000 | -134.999184 | -134.993853 | -135.024644 | / |
| f | 0.057681 | -329.671015 | -329.664702 | -329.699963 | / |
| g | 0.003416 | -76.362206 | -76.358426 | -76.380504 | / |
| h | 0.122249 | -388.302268 | -388.292676 | -388.335582 | / |
| i | 0.044383 | -328.990260 | -328.984150 | -329.019702 | / |
| INT-A | 0.326584 | -1150.648225 | -1150.623224 | -1150.703645 | / |
| INT3-iso2 | 0.396340 | -1404.563420 | -1404.533936 | -1404.625649 | / |
| INT-C | 0.395518 | -1404.565682 | -1404.536030 | -1404.627233 | / |
| INT-D | 0.196356 | -762.927647 | -762.912390 | -762.969571 | / |
| INT-E | 0.197055 | -762.973472 | -762.958021 | -763.015691 | / |
| INT-F | 0.197086 | -762.974363 | -762.959023 | -763.016410 | / |
| INT-G | 0.195441 | -762.869353 | -762.854154 | -762.911312 | / |
| INT-H | 0.195187 | -762.943791 | -762.928385 | -762.986316 | / |
| INT-I | 0.195215 | -762.944440 | -762.928991 | -762.986835 | / |
| INT-J | 0.194211 | -762.861263 | -762.845460 | -762.903955 | / |
| INT-K | 0.193976 | -762.879101 | -762.863128 | -762.921177 | / |
| INT-L | 0.196790 | -762.940438 | -762.925034 | -762.982198 | / |
| INT-M | 0.193596 | -762.924311 | -762.908014 | -762.967299 | / |
| INT-N | 0.330412 | -1150.676659 | -1150.652376 | -1150.731084 | / |
| INT-O | 0.327666 | -1150.639960 | -1150.615553 | -1150.695839 | / |
| INT-P | 0.249495 | -1016.253634 | -1016.233680 | -1016.303768 | / |
| INT-Q | 0.194982 | -762.944427 | -762.929066 | -762.987034 | / |

| | | | | | |
|------------|----------|--------------|--------------|--------------|----------|
| INT-R | 0.245571 | -821.015595 | -820.996392 | -821.064112 | / |
| INT-S | 0.248761 | -821.004225 | -820.986275 | -821.050449 | / |
| INT-T | 0.320803 | -1074.904195 | -1074.882283 | -1074.953916 | / |
| INT-U | 0.315623 | -1074.892105 | -1074.868555 | -1074.944550 | / |
| INT-V | 0.318925 | -1074.850289 | -1074.828083 | -1074.900144 | / |
| INT-W | 0.258948 | -821.600528 | -821.581131 | -821.648071 | / |
| INT-X | 0.397006 | -1404.575981 | -1404.546324 | -1404.636399 | / |
| INT-Y | 0.260642 | -821.555046 | -821.536497 | -821.601630 | / |
| enaminone | 0.178590 | -556.504515 | -556.490765 | -556.545357 | / |
| INT1 | 0.325881 | -1150.686708 | -1150.661567 | -1150.742745 | / |
| INT2 | 0.242848 | -810.362622 | -810.344097 | -810.411106 | / |
| INT3 | 0.397288 | -1404.571258 | -1404.541699 | -1404.632091 | / |
| INT4 | 0.394882 | -1404.572422 | -1404.542663 | -1404.634411 | / |
| INT5 | 0.398195 | -1404.583314 | -1404.554645 | -1404.643640 | / |
| INT6 | 0.261190 | -821.594852 | -821.576568 | -821.641048 | / |
| INT7 | 0.348800 | -956.574839 | -956.551030 | -956.627095 | / |
| product(P) | 0.171730 | -686.624167 | -686.610698 | -686.663898 | / |
| j | 0.029406 | -115.611223 | -115.606996 | -115.633926 | / |
| TS-A | 0.326147 | -1150.647118 | -1150.622810 | -1150.702299 | -112.32 |
| TS-B | 0.321972 | -1150.583717 | -1150.558398 | -1150.641076 | -155.88 |
| TS-C | 0.325795 | -1150.594164 | -1150.569732 | -1150.648876 | -2249.70 |
| TS-D | 0.325384 | -1150.642374 | -1150.617469 | -1150.697854 | -476.20 |
| TS-E | 0.326740 | -1150.649486 | -1150.624865 | -1150.704285 | -384.02 |
| TS-F | 0.389040 | -1404.489870 | -1404.459796 | -1404.552004 | -1825.69 |
| TS-G | 0.257479 | -821.521722 | -821.503743 | -821.566652 | -1522.05 |
| TS-H | 0.284837 | -897.917760 | -897.898664 | -897.963898 | -860.69 |
| TS-I | 0.213599 | -839.265079 | -839.248130 | -839.308995 | -1573.69 |
| TS-J | 0.213546 | -839.275373 | -839.258372 | -839.318898 | -1560.03 |
| TS-K | 0.286052 | -897.875455 | -897.856262 | -897.921992 | -415.66 |
| TS-L | 0.285231 | -897.895240 | -897.875768 | -897.941194 | -472.90 |

| TS-M | 0.285548 | -897.897955 | -897.878573 | -897.944120 | -441.59 |
|-----------------------|----------|--------------|--------------|--------------|----------|
| TS-N | 0.190100 | -762.842025 | -762.826613 | -762.884590 | -1326.30 |
| TS-O | 0.193563 | -762.867103 | -762.851652 | -762.908937 | -235.93 |
| TS-P | 0.189365 | -762.835243 | -762.819694 | -762.878098 | -1496.83 |
| TS-Q | 0.194836 | -762.895772 | -762.880578 | -762.937266 | -474.88 |
| TS-R | 0.392062 | -1404.512820 | -1404.483202 | -1404.573248 | -177.17 |
| TS-S | 0.329239 | -1150.612701 | -1150.589070 | -1150.666040 | -941.90 |
| TS-T | 0.328636 | -1150.597294 | -1150.573200 | -1150.651512 | -161.53 |
| TS-U | 0.324751 | -1150.602403 | -1150.577913 | -1150.658049 | -669.59 |
| TS-V | 0.272858 | -1092.601148 | -1092.580279 | -1092.650394 | -1278.06 |
| TS-W | 0.188532 | -762.868866 | -762.853485 | -762.910962 | -1879.71 |
| TS-X | 0.246869 | -820.975657 | -820.957556 | -821.021663 | -518.43 |
| TS-Y | 0.245691 | -820.976446 | -820.958306 | -821.022559 | -570.70 |
| TS-Z | 0.317285 | -1074.888097 | -1074.865346 | -1074.938792 | -54.17 |
| TS-AA | 0.318068 | -1074.838887 | -1074.817092 | -1074.888287 | -501.36 |
| TS-AB | 0.316244 | -1074.842835 | -1074.820382 | -1074.893105 | -549.59 |
| TS-AC | 0.397595 | -1404.575555 | -1404.546362 | -1404.634991 | -117.16 |
| TS-AD | 0.258776 | -821.539910 | -821.521252 | -821.586172 | -385.98 |
| TS-AE | 0.256930 | -821.517748 | -821.499644 | -821.562944 | -1556.02 |
| TS1 | 0.326099 | -1150.680307 | -1150.655292 | -1150.735861 | -162.54 |
| TS2 | 0.324783 | -1150.683333 | -1150.658315 | -1150.739314 | -133.87 |
| TS4 | 0.396641 | -1404.547534 | -1404.518410 | -1404.607265 | -256.27 |
| TS4-iso | 0.397159 | -1404.543854 | -1404.514790 | -1404.603165 | -242.50 |
| TS5 | 0.397379 | -1404.572467 | -1404.543598 | -1404.631860 | -16.06 |
| TS5-iso | 0.398772 | -1404.559908 | -1404.531363 | -1404.618379 | -67.54 |
| TS5-iso2 | 0.397072 | -1404.553935 | -1404.524886 | -1404.613899 | -263.43 |
| TS6 | 0.399614 | -1404.579526 | -1404.551223 | -1404.638011 | -150.15 |
| TS6-iso | 0.394830 | -1404.583573 | -1404.554539 | -1404.645696 | -154.59 |
| TS7-2H ₂ O | 0.298943 | -974.302721 | -974.280628 | -974.352725 | -1394.65 |
| TS7-H ₂ O | 0.278258 | -897.921910 | -897.901985 | -897.969296 | -1521.56 |

| | | | | | |
|----------|----------|--------------|--------------|--------------|----------|
| TS7 | 0.354943 | -1052.806739 | -1052.781574 | -1052.860493 | -878.76 |
| TS7-MeOH | 0.304577 | -937.176261 | -937.154650 | -937.225974 | -1532.63 |
| TS8 | 0.345963 | -956.572996 | -956.549502 | -956.625178 | -871.71 |
| TS9 | 0.348004 | -956.576620 | -956.553442 | -956.627871 | -205.03 |
| INT-Z | 0.457605 | -1521.167366 | -1521.135259 | -1521.231774 | / |
| INT-AA | 0.465436 | -1521.183920 | -1521.153818 | -1521.242972 | / |
| INT-AB | 0.457531 | -1521.145925 | -1521.113625 | -1521.209075 | / |
| INT-AC | 0.231597 | -803.193952 | -803.177838 | -803.237808 | / |
| INT-AD | 0.382334 | -1267.242167 | -1267.213721 | -1267.305467 | / |
| INT9 | 0.237147 | -673.102944 | -673.086273 | -673.148502 | / |
| INT10 | 0.386708 | -1267.285388 | -1267.257582 | -1267.344744 | / |
| INT11 | 0.300232 | -926.949367 | -926.927714 | -927.003448 | / |
| INT12 | 0.300311 | -926.946882 | -926.925096 | -927.000424 | / |
| INT12+a | 0.450783 | -1521.135705 | -1521.101960 | -1521.201930 | / |
| INT13 | 0.459365 | -1521.188918 | -1521.156463 | -1521.252732 | / |
| INT14 | 0.426532 | -1307.083924 | -1307.054172 | -1307.143636 | / |
| INT15 | 0.398912 | -1267.832197 | -1267.803743 | -1267.890576 | / |
| INT16 | 0.320054 | -938.200319 | -938.178681 | -938.251060 | / |
| INT17 | 0.322088 | -938.207805 | -938.187001 | -938.256990 | / |
| INT18 | 0.324257 | -938.226408 | -938.205953 | -938.275041 | / |
| INT19 | 0.233190 | -803.258133 | -803.242259 | -803.301326 | / |
| TS10 | 0.386399 | -1267.284185 | -1267.256479 | -1267.343176 | -206.00 |
| TS11 | 0.383503 | -1267.270354 | -1267.242486 | -1267.330417 | -145.73 |
| TS12 | 0.300093 | -926.932296 | -926.910912 | -926.985238 | -575.37 |
| TS13 | 0.602434 | -1868.030561 | -1867.986769 | -1868.109008 | -323.08 |
| TS13-2 | 0.555944 | -1752.393841 | -1752.354817 | -1752.464667 | -373.27 |
| TS13-3 | 0.501999 | -1636.756027 | -1636.720046 | -1636.825538 | -341.82 |
| TS14 | 0.526325 | -1750.271260 | -1750.232619 | -1750.340874 | -307.12 |
| TS14-2 | 0.504155 | -1673.889787 | -1673.854100 | -1673.956057 | -365.24 |
| TS14-3 | 0.476360 | -1597.501143 | -1597.466839 | -1597.568498 | -341.27 |

| | | | | | |
|--------|----------|--------------|--------------|--------------|----------|
| TS15 | 0.425793 | -1307.078504 | -1307.049311 | -1307.137839 | -232.56 |
| TS16 | 0.400423 | -1267.825077 | -1267.797558 | -1267.881793 | -229.49 |
| TS17 | 0.414056 | -1169.412159 | -1169.383049 | -1169.473559 | -72.85 |
| TS17-2 | 0.362624 | -1053.770589 | -1053.745222 | -1053.826713 | -740.28 |
| TS18 | 0.360407 | -1090.901468 | -1090.875643 | -1090.958134 | -278.52 |
| TS18-2 | 0.335439 | -1014.515735 | -1014.492152 | -1014.568751 | -1592.92 |
| TS19 | 0.321037 | -938.168080 | -938.147449 | -938.217150 | -377.29 |
| TS20 | 0.416289 | -1169.445437 | -1169.417109 | -1169.504347 | -1200.04 |
| TS20-2 | 0.367824 | -1053.802463 | -1053.778243 | -1053.855781 | -1297.89 |
| TS21 | 0.364262 | -1090.937408 | -1090.912593 | -1090.990975 | -1219.36 |
| TS21-2 | 0.342169 | -1014.549190 | -1014.526871 | -1014.599513 | -1381.57 |
| TS-AF | 0.462321 | -1521.107006 | -1521.077281 | -1521.165425 | -592.93 |
| TS-AG | 0.457397 | -1521.091934 | -1521.060732 | -1521.153789 | -597.91 |
| TS-AH | 0.381902 | -1267.227188 | -1267.198867 | -1267.288916 | -514.47 |
| TS-AI | 0.47218 | -1597.462178 | -1597.427576 | -1597.530112 | -669.11 |
| TS-AJ | 0.454610 | -1521.119205 | -1521.086903 | -1521.183487 | -297.67 |
| TS-AK | 0.321436 | -938.051416 | -938.030814 | -938.100261 | -269.37 |
| TS-AL | 0.317778 | -938.153369 | -938.132784 | -938.202030 | -1607.13 |
| TS-AM | 0.456088 | -1521.141727 | -1521.109741 | -1521.205088 | -245.88 |
| TS-AN | 0.343658 | -1014.451892 | -1014.428646 | -1014.503264 | -203.50 |
| TS-AO | 0.246853 | -879.520032 | -879.502298 | -879.565391 | -2181.95 |
| TS-AP | 0.271051 | -955.906851 | -955.887073 | -955.954141 | -1492.10 |
| TS-AQ | 0.410250 | -1073.190693 | -1073.165184 | -1073.245111 | -330.77 |
| TS-AR | 0.384371 | -1267.203222 | -1267.175653 | -1267.262964 | -707.48 |
| INT-AF | 0.454273 | -1521.169832 | -1521.136935 | -1521.235686 | / |
| INT-AG | 0.455079 | -1521.183802 | -1521.150847 | -1521.250565 | / |
| INT-AH | 0.396900 | -1404.563288 | -1404.533589 | -1404.623819 | / |
| INT-AI | 0.394294 | -1404.553373 | -1404.523663 | -1404.615374 | / |
| INT-AJ | 0.395197 | -1404.556772 | -1404.527265 | -1404.618129 | / |
| INT-AE | 0.394502 | -1404.560946 | -1404.531157 | -1404.624424 | / |

| | | | | | |
|-----------|----------|--------------|--------------|--------------|---------|
| TS-INT-Z | 0.451995 | -1521.130569 | -1521.097763 | -1521.195965 | -509.22 |
| TS-INT-AA | 0.457408 | -1521.133453 | -1521.102219 | -1521.195160 | -517.75 |
| TS-INT-AA | 0.457408 | -1521.133453 | -1521.102219 | -1521.195160 | -517.75 |
| TS-INT-AG | 0.449745 | -1521.123875 | -1521.090407 | -1521.190789 | -187.08 |
| TS-INT-AF | 0.451611 | -1521.131349 | -1521.098321 | -1521.196611 | -470.26 |
| TS-INT-AJ | 0.392603 | -1404.526722 | -1404.496804 | -1404.588042 | -318.23 |
| TS3-iso2 | 0.396102 | -1404.530240 | -1404.500758 | -1404.589934 | -121.52 |
| TS-INT-AI | 0.395762 | -1404.531966 | -1404.502680 | -1404.591887 | -191.73 |
| TS-INT-AK | 0.393309 | -1404.534857 | -1404.504932 | -1404.596270 | -379.28 |
| TS3-iso | 0.392667 | -1404.535875 | -1404.505730 | -1404.598058 | -336.61 |
| TS3 | 0.395915 | -1404.539966 | -1404.510365 | -1404.599288 | -405.25 |
| TS-INT13 | 0.452350 | -1521.132427 | -1521.099474 | -1521.196986 | -508.74 |
| INT5-iso | 0.396689 | -1404.584829 | -1404.555641 | -1404.646189 | / |
| INT6-iso | 0.261904 | -821.596270 | -821.578075 | -821.641931 | / |

^a Thermal correction to Gibbs Free Energy

^b Sum of electronic and zero-point Energies

^c Sum of electronic and thermal Enthalpies

^d Sum of electronic and thermal Free Energies

6. Cartesian coordinates

a

| | | | |
|---|-------------|-------------|--------------|
| C | 3.74353900 | -0.76489300 | -0.10529900 |
| C | 3.74342700 | 0.76504300 | 0.10597100 |
| B | 1.63867500 | -0.00001600 | -0.000011100 |
| O | 2.37607800 | -1.15080400 | 0.05697100 |
| O | 2.37600100 | 1.15082600 | -0.05689500 |
| C | -0.51495300 | -1.20030200 | 0.01363300 |
| C | -1.87015000 | -1.21803900 | 0.01418300 |
| C | -2.61334900 | -0.00006000 | -0.00009100 |
| C | -1.87016100 | 1.21790200 | -0.01465900 |
| C | -0.51495200 | 1.20017800 | -0.01441700 |
| N | 0.20166700 | -0.00005400 | -0.000040300 |
| H | 0.09153800 | -2.09654700 | 0.02324900 |
| H | -2.38779100 | -2.16971200 | 0.02520500 |
| H | -2.38779300 | 2.16958100 | -0.02572200 |
| H | 0.09152100 | 2.09643500 | -0.02424800 |
| C | -4.02804600 | -0.00008600 | 0.00031400 |
| N | -5.19149700 | 0.00024000 | 0.00067400 |
| H | 4.07051700 | -1.04059900 | -1.11281900 |
| H | 4.35946600 | 1.29445500 | -0.62361700 |
| H | 4.06992200 | 1.04079100 | 1.11363500 |
| H | 4.35929800 | -1.29426200 | 0.62456300 |

b

| | | | |
|---|-------------|-------------|-------------|
| C | -1.50272200 | 1.14059700 | 0.00002900 |
| C | -0.11287900 | 1.20327700 | 0.00003100 |
| C | 0.59344700 | 0.00006700 | 0.00012300 |
| C | -0.11285100 | -1.20332900 | 0.00005300 |
| C | -1.50250800 | -1.14077400 | 0.00000900 |
| N | -2.19421200 | -0.00004200 | -0.00008900 |
| H | -2.08807000 | 2.05630700 | 0.00008700 |
| H | 0.40703800 | 2.15401200 | -0.00017400 |
| H | 0.40720900 | -2.15398000 | 0.00022500 |
| H | -2.08789200 | -2.05646100 | -0.00033800 |
| C | 2.03469700 | 0.00070000 | -0.00001500 |
| N | 3.19115500 | -0.00040200 | -0.00007900 |

d

b₂pin₂

| | | | |
|---|-------------|-------------|-------------|
| C | -2.98557500 | 0.44921000 | 0.62702100 |
| C | -2.98557200 | -0.44924700 | -0.62702400 |
| B | -0.85146300 | 0.00002200 | -0.00000200 |
| O | -1.61004700 | 0.76950400 | 0.84331200 |
| O | -1.61001900 | -0.76947900 | -0.84334700 |
| C | 2.98569900 | 0.62677600 | -0.44967500 |
| C | 2.98566700 | -0.62682400 | 0.44966200 |
| B | 0.85141300 | 0.00003800 | 0.00003300 |
| O | 1.60990100 | 0.84525900 | -0.76738500 |
| O | 1.60987700 | -0.84521500 | 0.76742000 |
| H | -3.55389700 | 1.37205700 | 0.48761300 |
| H | -3.37088800 | 0.06890000 | -1.51091400 |
| H | -3.55383300 | -1.37212200 | -0.48757700 |
| H | -3.37085500 | -0.06896900 | 1.51091200 |
| H | 3.37354800 | -1.51047500 | -0.06690600 |
| H | 3.55176800 | -0.48578600 | 1.37364200 |
| H | 3.55174100 | 0.48563200 | -1.37367400 |
| H | 3.37365800 | 1.51042200 | 0.06683300 |

c

| | | | |
|---|-------------|-------------|-------------|
| C | 3.42412900 | -0.14183300 | -0.32967000 |
| C | 2.85520400 | 1.05322100 | 0.47153300 |
| B | 1.21929600 | -0.42744400 | 0.01840800 |
| O | 2.35113000 | -1.07465500 | -0.40172200 |
| O | 1.44684400 | 0.84410900 | 0.48043200 |
| C | -3.42442500 | -0.14146400 | 0.32854400 |
| C | -2.85472600 | 1.05325000 | -0.47244400 |
| B | -1.21937400 | -0.42734300 | -0.01745600 |
| O | -2.35183700 | -1.07478400 | 0.40068900 |
| O | -1.44624400 | 0.84463600 | -0.47874700 |
| H | 3.71442000 | 0.14629100 | -1.34542900 |
| H | 3.07955600 | 2.01719600 | 0.00849200 |
| H | 3.22039400 | 1.06714400 | 1.50381600 |
| H | 4.28293300 | -0.60733700 | 0.15983700 |
| H | -3.21812700 | 1.06615700 | -1.50537800 |
| H | -3.08027000 | 2.01747600 | -0.01053100 |
| H | -4.28339400 | -0.60650300 | -0.16110200 |
| H | -3.71467200 | 0.14679700 | 1.34428600 |
| O | -0.00008600 | -1.02834600 | 0.00103100 |

| | | | |
|---|-------------|-------------|-------------|
| N | 0.00000000 | -0.64390600 | -0.00000100 |
| C | -1.18535500 | 0.17331800 | 0.00000400 |
| H | -2.08032100 | -0.45126900 | 0.00016800 |
| H | -1.21270500 | 0.83265400 | 0.88221400 |
| H | -1.21285200 | 0.83238100 | -0.88240900 |
| C | 1.18535300 | 0.17331800 | -0.00000600 |
| H | 1.21293000 | 0.83226100 | 0.88249300 |
| H | 2.08032100 | -0.45126900 | -0.00031300 |
| H | 1.21263500 | 0.83276800 | -0.88213100 |

e

| | | | |
|---|-------------|-------------|-------------|
| H | -0.00002700 | 1.32718100 | 0.52664700 |
| N | -0.00000900 | 0.57125000 | -0.15067200 |
| C | -1.20340700 | -0.22388800 | 0.02051800 |
| H | -1.26064900 | -0.96499700 | -0.78362600 |
| H | -1.24829800 | -0.77082700 | 0.97864900 |
| H | -2.08583700 | 0.41615600 | -0.05411100 |
| C | 1.20342500 | -0.22389100 | 0.02052000 |
| H | 1.26109100 | -0.96440000 | -0.78412000 |
| H | 2.08581800 | 0.41629100 | -0.05320200 |
| H | 1.24786100 | -0.77147900 | 0.97824100 |

f

| | | | |
|---|-------------|-------------|-------------|
| C | 1.32004900 | 0.80181700 | -0.09489100 |
| C | 1.37460500 | -0.72927000 | 0.09722800 |
| B | -0.76453400 | -0.04776400 | -0.00151400 |
| O | -0.05448300 | 1.13187600 | 0.08320100 |
| O | 0.03119900 | -1.16176800 | -0.08648800 |
| H | 1.92813100 | 1.34348000 | 0.63358700 |
| H | 1.70475700 | -1.00102200 | 1.10614500 |
| H | 2.02494300 | -1.22382700 | -0.62828600 |
| H | 1.63214900 | 1.09790400 | -1.10258100 |
| O | -2.11696400 | -0.11663500 | -0.00195700 |
| H | -2.51325100 | 0.75922100 | 0.02663700 |

g

| | | | |
|---|-------------|-------------|------------|
| O | 0.00000000 | 0.11780800 | 0.00000000 |
| H | 0.76025700 | -0.47123300 | 0.00000000 |
| H | -0.76025700 | -0.47123000 | 0.00000000 |

h

| | | | |
|---|-------------|-------------|-------------|
| C | 2.15271200 | 0.75964500 | 0.12695400 |
| C | 2.15267600 | -0.75966000 | -0.12708400 |
| B | 0.03449900 | 0.00002800 | 0.00012500 |
| O | 0.80068200 | 1.15200200 | -0.07482800 |
| O | 0.80066000 | -1.15196100 | 0.07488400 |
| H | 2.44998300 | -0.99672100 | -1.15572800 |
| H | 2.80488700 | -1.30571100 | 0.55954700 |
| H | 2.80483900 | 1.30573600 | -0.55971600 |
| H | 2.45014400 | 0.99659600 | 1.15559500 |
| N | -1.36680700 | 0.00002100 | 0.00037900 |
| C | -2.13983200 | 1.22178100 | -0.02537700 |
| H | -1.46925500 | 2.08183100 | -0.03531000 |
| H | -2.77985500 | 1.26473100 | -0.91688200 |
| H | -2.79118900 | 1.29361200 | 0.85614700 |
| C | -2.13975100 | -1.22182300 | 0.02516500 |
| H | -1.46910200 | -2.08180200 | 0.03639800 |
| H | -2.78116100 | -1.26453600 | 0.91566000 |
| H | -2.78970700 | -1.29400900 | -0.85737900 |

i

| | | | |
|---|-------------|-------------|-------------|
| C | 1.29174000 | 0.76261900 | 0.10858500 |
| C | 1.29164200 | -0.76275300 | -0.10855900 |
| B | -0.80399800 | 0.00010100 | -0.00001500 |
| O | -0.07011800 | 1.15110700 | -0.09597800 |
| O | -0.07024400 | -1.15100900 | 0.09593100 |
| H | 1.58779100 | 1.03049700 | 1.12818500 |
| H | 1.93035800 | -1.29531400 | 0.59908500 |
| H | 1.58774000 | -1.03067300 | -1.12813900 |
| H | 1.93052100 | 1.29512900 | -0.59902600 |
| O | -2.17422700 | -0.00001500 | 0.00002300 |

j

| | | | |
|---|-------------|-------------|-------------|
| C | 0.65848700 | -0.01986200 | 0.00000200 |
| H | 1.08100800 | 0.98649100 | -0.00067000 |
| H | 1.02961300 | -0.54417600 | -0.89059800 |
| H | 1.02971500 | -0.54304200 | 0.89123000 |
| O | -0.74459600 | 0.12215300 | 0.00000200 |

| | | | | | | | |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| H | -1.13449000 | -0.75732500 | 0.00001000 | C | 1.54762300 | 1.68995000 | 0.12765500 |
| | | | | N | 0.33446900 | 1.29327200 | 0.51747200 |
| | | | | H | -0.84174100 | 0.15321700 | 1.75044200 |
| enaminone | | | | H | 1.15177100 | -0.87034700 | 2.94491600 |
| | | | | H | 3.67832100 | 1.49560700 | 0.37097300 |
| C | -0.14486800 | -0.79981800 | -0.11132300 | H | 1.55788500 | 2.40664300 | -0.68678100 |
| O | -0.00945100 | -2.01229000 | -0.23889200 | C | 1.51638900 | -0.13438900 | -2.28900200 |
| C | -1.53539000 | -0.22480000 | -0.04359300 | C | 0.78497100 | -0.97138100 | -1.41496600 |
| C | -1.81734800 | 1.12921500 | -0.23860800 | C | 1.48455300 | -2.01303800 | -0.76496600 |
| C | -2.58671300 | -1.11165900 | 0.20371600 | C | 2.84666100 | -2.18761600 | -0.96137400 |
| C | -3.12951100 | 1.58998300 | -0.17718400 | C | 3.55700100 | -1.34336900 | -1.81779600 |
| H | -1.01897400 | 1.82807300 | -0.46584300 | C | 2.87545600 | -0.32751100 | -2.49017000 |
| C | -3.89499100 | -0.65146500 | 0.27552300 | H | 0.98587400 | 0.66365300 | -2.79892100 |
| H | -2.34536800 | -2.16129200 | 0.33391400 | H | 0.96152900 | -2.65475800 | -0.06180100 |
| C | -4.16883400 | 0.70239500 | 0.08643100 | H | 3.36608800 | -2.97985500 | -0.43014100 |
| H | -3.34046700 | 2.64229500 | -0.33920100 | H | 3.41259100 | 0.32325300 | -3.17452100 |
| H | -4.70422700 | -1.34662700 | 0.47589300 | C | -0.60338800 | -0.67820800 | -1.13750000 |
| H | -5.19104800 | 1.06406500 | 0.13922300 | O | -1.02440200 | 0.58277300 | -1.44067300 |
| C | 0.99340500 | 0.11075300 | 0.00179400 | H | 4.62248900 | -1.48448100 | -1.96589300 |
| H | 0.83791000 | 1.16089100 | 0.20792200 | C | -1.51240700 | -1.59440300 | -0.57245400 |
| C | 2.23646700 | -0.42768200 | -0.09846400 | C | -2.79950000 | -1.24067800 | -0.24033400 |
| H | 2.29886800 | -1.50307400 | -0.25494400 | C | 3.72326600 | -0.34978300 | 2.33497000 |
| N | 3.41631800 | 0.22534100 | -0.04374100 | N | 4.65541900 | -0.83105500 | 2.82112800 |
| C | 3.43281200 | 1.65010500 | 0.20788700 | H | -1.22963600 | 4.78625300 | -0.20497500 |
| H | 3.10297600 | 1.88482800 | 1.22877200 | H | -2.50716700 | 4.02899200 | -1.18495500 |
| H | 4.44603000 | 2.02980000 | 0.06704900 | H | -3.28200700 | 3.33596100 | 1.00578700 |
| H | 2.76759500 | 2.15933300 | -0.49615800 | H | -1.62361200 | 3.30822400 | 1.65383200 |
| C | 4.66820500 | -0.49521400 | 0.06800000 | H | -1.17109400 | -2.61517200 | -0.43705300 |
| H | 4.50597300 | -1.54150900 | -0.19430700 | N | -3.77174500 | -2.08820800 | 0.21900500 |
| H | 5.41091000 | -0.07558900 | -0.61767600 | C | -4.86901400 | -1.51805200 | 0.97460500 |
| H | 5.07179400 | -0.45113300 | 1.08760400 | H | -5.75771200 | -2.14705400 | 0.87241000 |
| | | | | H | -4.63229000 | -1.41978600 | 2.04471500 |
| | | | | H | -5.09674600 | -0.52512900 | 0.58251500 |
| | | | | C | -3.42648100 | -3.45724900 | 0.52330200 |
| | | | | H | -4.33493100 | -4.01166100 | 0.76646700 |
| | | | | H | -2.95935300 | -3.92498100 | -0.34765500 |
| | | | | H | -2.72929700 | -3.53296500 | 1.37304700 |
| | | | | H | -3.10911700 | -0.20807600 | -0.36859900 |
| INT1 | | | | INT2 | | | |
| C | -1.70442200 | 3.83338200 | -0.46202800 | | | | |
| C | -2.24272900 | 3.08966800 | 0.76910600 | | | | |
| B | -1.01084200 | 1.64973200 | -0.47856500 | | | | |
| O | -0.76041400 | 2.94194600 | -1.02526100 | | | | |
| O | -2.13310900 | 1.72489300 | 0.41452100 | | | | |
| C | 0.18544900 | 0.41149600 | 1.51396200 | | | | |
| C | 1.28069500 | -0.14112200 | 2.15527700 | | | | |
| C | 2.55708000 | 0.24440800 | 1.73217700 | | | | |
| C | 2.70025800 | 1.18937400 | 0.71905000 | | | | |

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|-------------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| B | 0.75278400 | 1.73165900 | -0.25518000 | B | 1.54850800 | -2.16005200 | -0.86239100 |
| O | 1.13676700 | 1.62624500 | 1.05749400 | O | 2.24649200 | -1.80007100 | -1.98302400 |
| O | 1.22754200 | 2.85475400 | -0.88597400 | O | 2.31516300 | -2.73087500 | 0.12324300 |
| C | -0.23735600 | -0.42663800 | -0.37928000 | C | -0.63707500 | -2.79999000 | 0.07745000 |
| H | 3.09441200 | 2.22029300 | 1.28285600 | C | -1.98222500 | -2.73263300 | 0.12271900 |
| H | 2.82664000 | 4.02196600 | -0.29054900 | C | -2.63338700 | -1.79151200 | -0.77817700 |
| H | 1.24652500 | 4.48034500 | 0.38426700 | C | -1.92822900 | -0.89686400 | -1.49898800 |
| H | 1.91005200 | 3.12083500 | 2.25997400 | C | -0.44494800 | -0.76311800 | -1.30226000 |
| O | -0.02713300 | 0.83164200 | -0.91358900 | N | 0.12211400 | -1.99701500 | -0.74515400 |
| C | 0.91785100 | -1.27527100 | -0.22190900 | H | -0.07175500 | -3.53424600 | 0.64385900 |
| C | 0.86047800 | -2.49103700 | 0.49396800 | H | -2.56443300 | -3.39757800 | 0.74472000 |
| C | 2.15969500 | -0.90774400 | -0.78445100 | H | -2.42530500 | -0.23520800 | -2.19989900 |
| C | 1.98197600 | -3.29312100 | 0.62785100 | H | 0.06458300 | -0.59080200 | -2.25515800 |
| H | -0.06508400 | -2.79242900 | 0.97308500 | C | -0.06149300 | 0.44736300 | -0.35830300 |
| C | 3.27725400 | -1.71604200 | -0.64120600 | C | -4.06777000 | -1.84095500 | -0.90887300 |
| H | 2.23190200 | 0.00297500 | -1.37144100 | N | -5.22298400 | -1.87885400 | -0.97535000 |
| C | 3.20145600 | -2.91605200 | 0.06362300 | H | 2.90363800 | 1.89453000 | 3.48572600 |
| H | 1.90896600 | -4.21997000 | 1.18893000 | H | 4.27086000 | 0.15467200 | 2.55547100 |
| H | 4.21616800 | -1.41032600 | -1.09317600 | H | 5.05152700 | 1.46743400 | 1.64301000 |
| H | 4.07710300 | -3.54676200 | 0.17388600 | H | 3.28150800 | 3.00841700 | 2.15124700 |
| C | -1.56908200 | -0.78348300 | -0.12593200 | H | 3.92279700 | -3.80086000 | -0.60768200 |
| H | -1.75668900 | -1.80115500 | 0.19484100 | H | 4.33262300 | -2.38175800 | 0.39364900 |
| C | -2.61957300 | 0.08641900 | -0.29802900 | H | 4.19828000 | -2.28187500 | -2.46134100 |
| H | -2.41722700 | 1.10638700 | -0.60888800 | H | 3.98257800 | -0.85813200 | -1.39844500 |
| N | -3.94960300 | -0.22178600 | -0.16977700 | O | 1.37190200 | 0.31821300 | -0.28712600 |
| C | -4.31803600 | -1.52740400 | 0.32834000 | C | -0.38836000 | 1.80569000 | -0.98322400 |
| H | -4.00239100 | -1.68018200 | 1.37212000 | C | -0.63343900 | 1.97294900 | -2.34824400 |
| H | -5.40218200 | -1.64065200 | 0.26884600 | C | -0.35713200 | 2.94527300 | -0.16868000 |
| H | -3.85689000 | -2.30311800 | -0.28920400 | C | -0.86086500 | 3.23927700 | -2.88355300 |
| C | -4.87510500 | 0.85679200 | 0.11299500 | H | -0.64481600 | 1.12321400 | -3.02175800 |
| H | -4.55736700 | 1.75431100 | -0.42191200 | C | -0.57416900 | 4.20956100 | -0.70408300 |
| H | -5.87535900 | 0.58540100 | -0.23499000 | H | -0.15629700 | 2.82574300 | 0.89056700 |
| H | -4.93021100 | 1.09339100 | 1.18595600 | C | -0.83283400 | 4.36153700 | -2.06419300 |
| INT3 | | | | H | -1.05610500 | 3.34382800 | -3.94598100 |
| | | | | H | -0.54547400 | 5.07920900 | -0.05512700 |
| | | | | H | -1.00855600 | 5.34765800 | -2.48222100 |
| | | | | C | -0.67385900 | 0.22955400 | 0.99964500 |
| C | 3.04032800 | 1.97064300 | 2.40459000 | H | -0.12119800 | -0.44115600 | 1.64940700 |
| C | 4.09602700 | 0.98492600 | 1.86203600 | C | -1.90918600 | 0.64316500 | 1.31542900 |
| B | 2.18177500 | 0.79848300 | 0.68173700 | H | -2.46736600 | 1.26237100 | 0.61461100 |
| O | 1.83300700 | 1.60049600 | 1.74247700 | N | -2.59765500 | 0.38088000 | 2.48668400 |
| O | 3.52448500 | 0.47688800 | 0.66089300 | C | -1.96574800 | -0.53335500 | 3.41341300 |
| C | 3.62686000 | -1.86700500 | -1.62761000 | H | -0.98382600 | -0.14390200 | 3.69714300 |
| C | 3.65566000 | -2.76494300 | -0.37315800 | H | -2.58004000 | -0.61294400 | 4.31286000 |

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|-------------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -1.82959800 | -1.53697600 | 2.97926500 | C | -0.06429000 | 4.90208600 | 1.26890300 |
| C | -4.03412600 | 0.20559100 | 2.34298100 | H | -1.53695200 | 3.44218700 | 1.84926700 |
| H | -4.42983400 | 0.97548700 | 1.67643000 | C | 1.58764700 | 4.14483900 | -0.31869700 |
| H | -4.30303800 | -0.77722200 | 1.92583400 | H | 1.43219700 | 2.09435200 | -0.94856900 |
| H | -4.51506900 | 0.31474000 | 3.31861300 | C | 1.05895300 | 5.15321800 | 0.48399200 |
| INT4 | | | | H | -0.48502100 | 5.68723300 | 1.88862100 |
| | | | | H | 2.47366300 | 4.33103200 | -0.91661700 |
| | | | | H | 1.52176200 | 6.13502000 | 0.49915200 |
| | | | | C | -1.11620400 | 0.70073600 | 1.60767000 |
| C | 4.85706900 | 0.44866700 | -0.92636000 | H | -0.77375000 | 1.11423200 | 2.55037500 |
| C | 4.90678100 | -1.00189700 | -0.40427200 | C | -1.81989500 | -0.55401400 | 1.59035400 |
| B | 2.75423100 | -0.29875600 | -0.52219100 | H | -2.58996600 | -0.73557600 | 0.84425200 |
| O | 3.50953800 | 0.84929800 | -0.73391100 | N | -1.65211200 | -1.50373500 | 2.45901800 |
| O | 3.55302700 | -1.42670300 | -0.40297700 | C | -0.57361400 | -1.46040200 | 3.44623200 |
| C | 1.30616700 | -3.60727900 | -0.94461300 | H | 0.36651600 | -1.58781100 | 2.90105200 |
| C | 1.30105500 | -3.34858600 | 0.57357000 | H | -0.58943400 | -0.51230000 | 3.98367400 |
| B | 0.55147200 | -1.43637600 | -0.51425000 | H | -0.72264300 | -2.27330900 | 4.15621800 |
| O | 0.96434500 | -2.37872100 | -1.53066900 | C | -2.25879200 | -2.81158500 | 2.22905800 |
| O | 0.46492000 | -2.22066200 | 0.73387000 | H | -3.01990600 | -2.72423800 | 1.45287000 |
| C | -1.83057200 | -1.69464100 | -1.23528600 | H | -1.46532200 | -3.47790700 | 1.87853000 |
| C | -3.11718900 | -1.35173100 | -1.52066200 | H | -2.69685300 | -3.18726500 | 3.15570300 |
| C | -3.42115600 | 0.06759500 | -1.51658600 | | | | |
| C | -2.47892800 | 0.99836300 | -1.25833600 | | | | |
| C | -1.05823100 | 0.61661700 | -0.89903800 | | | | |
| N | -0.86920100 | -0.83644800 | -0.83314700 | | | | |
| H | -1.50136400 | -2.73055600 | -1.26700300 | | | | |
| H | -3.84945300 | -2.07748200 | -1.84180500 | | | | |
| H | -2.71442500 | 2.05730000 | -1.28602300 | | | | |
| H | -0.35722800 | 1.05163100 | -1.62409200 | | | | |
| C | -0.76224700 | 1.29498400 | 0.44472900 | | | | |
| C | -4.76688100 | 0.49631200 | -1.81031200 | | | | |
| N | -5.85460000 | 0.82204900 | -2.03472300 | | | | |
| H | 5.52872600 | 1.11725500 | -0.38052600 | | | | |
| H | 5.30492700 | -1.05103900 | 0.61664800 | | | | |
| H | 5.50435000 | -1.65916900 | -1.04156500 | | | | |
| H | 5.10364700 | 0.50197800 | -1.99345400 | | | | |
| H | 0.90139900 | -4.19927600 | 1.14322800 | | | | |
| H | 2.31587800 | -3.13526400 | 0.93159200 | | | | |
| H | 0.56561100 | -4.37804000 | -1.21539500 | | | | |
| H | 2.28967300 | -3.94357200 | -1.29314200 | | | | |
| O | 1.42272000 | -0.25612900 | -0.42949900 | | | | |
| C | -0.12913300 | 2.62644600 | 0.44182800 | | | | |
| C | -0.65090500 | 3.64267600 | 1.25347400 | | | | |
| C | 0.99377200 | 2.88868300 | -0.35453700 | | | | |

INT5

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -0.90941200 | -0.05145300 | -1.39110400 | O | 3.02559300 | 2.62049000 | 0.54604800 |
| C | -1.45206600 | 0.72082400 | 0.57918800 | O | 3.99797900 | 0.83455800 | -0.52970400 |
| C | -3.94905200 | -3.10559200 | -0.71116400 | C | 2.86686800 | -1.74505800 | -1.87206800 |
| N | -4.96071900 | -3.65097700 | -0.84591900 | C | 3.12389200 | -2.42363100 | -0.50860800 |
| H | 4.13538800 | 3.21601800 | 0.93991900 | B | 1.60623900 | -0.69831300 | -0.26586800 |
| H | 5.50797700 | 1.74034200 | -0.36259200 | O | 1.72694600 | -0.93423300 | -1.66657200 |
| H | 4.73299800 | 2.23821700 | -1.88306500 | O | 2.43117200 | -1.63526900 | 0.44036500 |
| H | 3.88308400 | 4.07662700 | -0.59426600 | C | -0.18828300 | -2.46536100 | -0.23176500 |
| H | 3.35594400 | -3.21334200 | -0.86587700 | C | -1.21571600 | -2.92555700 | -0.93899800 |
| H | 3.83732200 | -1.58840300 | -1.43262400 | C | -2.28172600 | -2.01170900 | -1.36602900 |
| H | 1.36058000 | -3.20401600 | -2.23338600 | C | -2.14544400 | -0.69041700 | -1.19366600 |
| H | 2.36574600 | -2.15630700 | -3.25941900 | C | -0.91374300 | -0.09771200 | -0.57019000 |
| O | 1.30424700 | 0.60624100 | -0.36762500 | N | -0.01925400 | -1.08019800 | 0.12847700 |
| C | -2.19668900 | 1.93588400 | 0.21075800 | H | 0.61725700 | -3.09433100 | 0.12525300 |
| C | -3.13631600 | 2.49152800 | 1.08572000 | H | -1.27941700 | -3.97580500 | -1.19514000 |
| C | -1.95812400 | 2.55650600 | -1.02114500 | H | -2.92540000 | 0.00359600 | -1.49252200 |
| C | -3.82028800 | 3.65136400 | 0.73870600 | H | -0.31072100 | 0.39171500 | -1.34646900 |
| H | -3.33529900 | 1.99729400 | 2.03204000 | C | -1.30411600 | 0.88134500 | 0.52272100 |
| C | -2.64241600 | 3.71721400 | -1.36423800 | C | -3.47481500 | -2.55956100 | -1.95381000 |
| H | -1.20656100 | 2.14867800 | -1.69060200 | N | -4.42763000 | -3.02088100 | -2.42121100 |
| C | -3.57591500 | 4.26511600 | -0.48749700 | H | 4.81228300 | 3.57869900 | 0.94484700 |
| H | -4.55030500 | 4.07207500 | 1.42247300 | H | 5.70793100 | 1.40425200 | 0.46946600 |
| H | -2.44230700 | 4.19801100 | -2.31608000 | H | 5.61713600 | 1.91151900 | -1.23203700 |
| H | -4.11261600 | 5.16807100 | -0.75964200 | H | 4.19022100 | 3.76725600 | -0.70885200 |
| C | -0.91028500 | 0.41816300 | 1.75283100 | H | 2.73972500 | -3.45533700 | -0.49718800 |
| H | -0.91033900 | 1.05120500 | 2.63238000 | H | 4.18903000 | -2.45685800 | -0.25824800 |
| C | -0.23995400 | -0.92546400 | 1.77852800 | H | 2.66951000 | -2.47196900 | -2.66722800 |
| H | -0.92178800 | -1.70178400 | 2.15327600 | H | 3.71947400 | -1.12076600 | -2.16122200 |
| N | 0.93798800 | -1.00099600 | 2.52418500 | O | 1.69634000 | 0.66446300 | 0.18254700 |
| C | 1.94302400 | 0.05045900 | 2.49260600 | C | -2.04844500 | 2.11338200 | 0.21444000 |
| H | 1.48692100 | 0.99940000 | 2.20542000 | C | -2.91399900 | 2.67383600 | 1.16254500 |
| H | 2.36912300 | 0.15189500 | 3.49741100 | C | -1.91393800 | 2.74200100 | -1.02921700 |
| H | 2.75005900 | -0.18059200 | 1.78621100 | C | -3.60977100 | 3.84234600 | 0.88211300 |
| C | 1.46488100 | -2.31324900 | 2.84426500 | H | -3.05100800 | 2.17465500 | 2.11712000 |
| H | 0.63904500 | -3.02165500 | 2.96287600 | C | -2.61462900 | 3.91073200 | -1.31014300 |
| H | 2.14864300 | -2.67918100 | 2.06788000 | H | -1.24109200 | 2.33085100 | -1.77565000 |
| H | 2.00701500 | -2.26021800 | 3.79452800 | C | -3.46250500 | 4.46488400 | -0.35616200 |
| | | | | H | -4.27754800 | 4.26311300 | 1.62670700 |
| | | | | H | -2.49378300 | 4.38994000 | -2.27602400 |
| | | | | H | -4.01091300 | 5.37457000 | -0.57710200 |
| | | | | C | -0.90529100 | 0.44862200 | 1.71609700 |
| C | 4.30673800 | 3.06385300 | 0.12382600 | H | -1.03594300 | 0.97294200 | 2.65544100 |
| C | 5.03870200 | 1.77765900 | -0.31426800 | C | -0.17171700 | -0.85715100 | 1.68691600 |
| B | 2.85364600 | 1.33697000 | 0.06989000 | H | 0.85724800 | -0.74805500 | 2.03920600 |

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|---|-------------|-------------|------------|
| N | -0.78469000 | -1.88550600 | 2.43472700 |
| C | -2.20290600 | -2.15427000 | 2.30129400 |
| H | -2.60840600 | -2.46458300 | 3.27068000 |
| H | -2.72677700 | -1.25026400 | 1.98423200 |
| H | -2.41414700 | -2.95054800 | 1.57331400 |
| C | 0.01085700 | -3.03102200 | 2.82979000 |
| H | 1.07275200 | -2.78114100 | 2.76649200 |
| H | -0.22730200 | -3.31670100 | 3.86093900 |
| H | -0.17284200 | -3.90728500 | 2.18955600 |

INT6

| | | | |
|---|-------------|-------------|-------------|
| C | -2.80663900 | 0.56667100 | -0.20218900 |
| C | -2.75819600 | 1.91663100 | -0.28691300 |
| C | -1.47330700 | 2.55001400 | -0.00540900 |
| C | -0.32298300 | 1.84546500 | 0.01162300 |
| C | -0.37881500 | 0.42062900 | -0.48053100 |
| N | -1.66160200 | -0.17062500 | -0.11978500 |
| H | -3.73167400 | -0.00279700 | -0.17074600 |
| H | -3.65387000 | 2.51160700 | -0.39199300 |
| H | 0.61256300 | 2.27493100 | 0.35404800 |
| H | -0.26218000 | 0.41384700 | -1.58326900 |
| C | 0.60853600 | -0.55037000 | 0.13791100 |
| C | -1.46781200 | 3.93803600 | 0.38357100 |
| N | -1.47562500 | 5.05606800 | 0.68268300 |
| C | 2.06147600 | -0.33444600 | 0.04749500 |
| C | 2.94209400 | -0.98747500 | 0.91950500 |
| C | 2.59151600 | 0.53738500 | -0.91190500 |
| C | 4.31259700 | -0.78934700 | 0.82195300 |
| H | 2.54370100 | -1.63970800 | 1.69069600 |
| C | 3.96515600 | 0.73558700 | -1.00906200 |
| H | 1.92732300 | 1.06270900 | -1.59238300 |
| C | 4.82969000 | 0.07182800 | -0.14485600 |
| H | 4.98039500 | -1.29998600 | 1.50831400 |
| H | 4.35843700 | 1.41345700 | -1.75949500 |
| H | 5.90070600 | 0.23026600 | -0.21660300 |
| C | -0.04428400 | -1.56601400 | 0.71181700 |
| H | 0.41679800 | -2.42199200 | 1.19200900 |
| C | -1.54880200 | -1.43369000 | 0.59191500 |
| H | -2.01878200 | -1.37347400 | 1.58557900 |
| N | -2.25510800 | -2.49440900 | -0.11779900 |
| C | -1.70192700 | -2.76915300 | -1.43503100 |
| H | -0.70701200 | -3.24299600 | -1.39641300 |

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|---|-------------|-------------|-------------|
| H | -2.38089400 | -3.43569000 | -1.97361700 |
| H | -1.62178400 | -1.83516200 | -1.99676700 |
| C | -2.37023800 | -3.70291500 | 0.67814200 |
| H | -2.81010400 | -3.46649400 | 1.65154600 |
| H | -3.03186700 | -4.40842100 | 0.16823500 |
| H | -1.40379200 | -4.21033300 | 0.84694900 |

INT6-iso

| | | | |
|---|-------------|-------------|-------------|
| C | -2.55190400 | 0.16451100 | -1.22136600 |
| C | -2.68728300 | 1.47538900 | -0.89919900 |
| C | -1.63273100 | 2.06646500 | -0.08289200 |
| C | -0.42205900 | 1.47949800 | 0.03257800 |
| C | -0.15236100 | 0.32012700 | -0.89468600 |
| N | -1.36306700 | -0.48231100 | -1.04296800 |
| H | -3.37286500 | -0.42928100 | -1.61558100 |
| H | -3.60617000 | 2.01261700 | -1.08527500 |
| H | 0.32078200 | 1.81301200 | 0.74956000 |
| H | 0.13351300 | 0.71207200 | -1.88916800 |
| C | 0.86365000 | -0.70122500 | -0.42958900 |
| C | -1.95342200 | 3.22439200 | 0.71273000 |
| N | -2.22122000 | 4.16074600 | 1.33810900 |
| C | 2.26785300 | -0.33440700 | -0.18661600 |
| C | 3.12221900 | -1.18574400 | 0.52714700 |
| C | 2.77594700 | 0.88247800 | -0.65772500 |
| C | 4.44805500 | -0.83851700 | 0.74582000 |
| H | 2.73659900 | -2.11876800 | 0.92623200 |
| C | 4.10475100 | 1.23120900 | -0.43586400 |
| H | 2.13106700 | 1.56330700 | -1.20573300 |
| C | 4.94536400 | 0.37162300 | 0.26348700 |
| H | 5.09489500 | -1.50895700 | 1.30222500 |
| H | 4.48120000 | 2.17745800 | -0.81019100 |
| H | 5.98069900 | 0.64410300 | 0.43940900 |
| C | 0.28602000 | -1.90044400 | -0.31079800 |
| H | 0.76791700 | -2.82486200 | -0.01647900 |
| C | -1.19761400 | -1.87371500 | -0.58371000 |
| H | -1.47408800 | -2.56405200 | -1.39344200 |
| N | -1.95946200 | -2.27951900 | 0.57943800 |
| C | -1.83831500 | -1.37516300 | 1.71343700 |
| H | -2.28965400 | -1.84620900 | 2.59063300 |
| H | -0.78516900 | -1.18385100 | 1.93022400 |
| H | -2.33831300 | -0.40768600 | 1.54091700 |
| C | -3.34783100 | -2.61693800 | 0.31604000 |

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|-------------|-------------|-------------|-------------|-------------------|-------------|-------------|-------------|--|--|--|--|
| H | -3.41497700 | -3.24617200 | -0.57598900 | N | 0.94437000 | -0.83067100 | 1.83355400 | | | | |
| H | -3.74500600 | -3.18630400 | 1.16167000 | C | 0.19032200 | -1.59953900 | 2.83660100 | | | | |
| H | -3.99622900 | -1.73606800 | 0.17616700 | H | 0.86985400 | -2.27277700 | 3.36258100 | | | | |
| INT7 | | | | | | | | | | | |
| C | 2.34481000 | 0.83993800 | -1.39801700 | H | -0.28208800 | -0.92549800 | 3.55380100 | | | | |
| C | 2.33910800 | 2.15351800 | -1.12149900 | H | -0.57482300 | -2.17681000 | 2.31527700 | | | | |
| C | 1.22329700 | 2.74469100 | -0.38174300 | C | 2.01049200 | 0.03998700 | 2.36989200 | | | | |
| C | 0.07180000 | 1.97713600 | -0.21894900 | H | 2.78966000 | -0.57935700 | 2.81902900 | | | | |
| C | 0.07438000 | 0.62225600 | -0.51729100 | H | 2.41484200 | 0.62399800 | 1.54001500 | | | | |
| N | 1.34783500 | 0.00054700 | -0.85639800 | H | 1.59733900 | 0.71449000 | 3.12229300 | | | | |
| H | 3.09091800 | 0.35775700 | -2.02181500 | H | 1.37442400 | -1.51539400 | 1.06318700 | | | | |
| H | 3.11825300 | 2.79422900 | -1.51641400 | product(P) | | | | | | | |
| H | -0.85397600 | 2.44683500 | 0.09950200 | C | 2.89223300 | -1.50929800 | 0.09859100 | | | | |
| H | 0.29917800 | -0.22769400 | 1.28405200 | C | 3.45742400 | -0.28343500 | 0.00263200 | | | | |
| C | -0.91488800 | -0.38171100 | -0.67923700 | C | 2.62116100 | 0.87928400 | -0.10374900 | | | | |
| C | 1.25131300 | 4.10638000 | 0.00974600 | C | 1.25489600 | 0.75053400 | -0.08536600 | | | | |
| N | 1.28546800 | 5.22033700 | 0.34602600 | C | 0.66883700 | -0.52699400 | 0.04495700 | | | | |
| C | -2.35153600 | -0.21260100 | -0.39263100 | N | 1.52177600 | -1.64308700 | 0.10798300 | | | | |
| C | -3.30960100 | -0.81076700 | -1.22025900 | H | 3.45835700 | -2.43002900 | 0.16627900 | | | | |
| C | -2.79323700 | 0.51716500 | 0.71876100 | H | 4.53459400 | -0.18173000 | -0.00331800 | | | | |
| C | -4.66632700 | -0.67797100 | -0.94849500 | H | 0.61020900 | 1.61668900 | -0.18133700 | | | | |
| H | -2.97600000 | -1.36511200 | -2.09213200 | C | -0.64646300 | -1.00169200 | 0.07429200 | | | | |
| C | -4.15101500 | 0.65312100 | 0.98867100 | C | 3.22433300 | 2.17411500 | -0.23936400 | | | | |
| H | -2.06267700 | 0.97431800 | 1.38108200 | N | 3.71992900 | 3.21509200 | -0.34745700 | | | | |
| C | -5.09350900 | 0.05540800 | 0.15635300 | C | -1.87028700 | -0.18829200 | 0.04291300 | | | | |
| H | -5.39414400 | -1.14274500 | -1.60616400 | C | -1.96143600 | 1.00999200 | 0.76255700 | | | | |
| H | -4.47272200 | 1.22449000 | 1.85366000 | C | -2.98189200 | -0.61143200 | -0.69649700 | | | | |
| H | -6.15280700 | 0.16146500 | 0.36590400 | C | -3.12418800 | 1.77265700 | 0.72773000 | | | | |
| C | -0.31928400 | -1.54851900 | -1.10854500 | H | -1.12544400 | 1.32482300 | 1.38039000 | | | | |
| H | -0.84647400 | -2.44880100 | -1.39162000 | C | -4.14766300 | 0.14560000 | -0.72094900 | | | | |
| C | 1.16267200 | -1.37583500 | -1.21816700 | H | -2.91725300 | -1.53290800 | -1.26807100 | | | | |
| H | 1.61591900 | -1.63045400 | -2.20350800 | C | -4.22135000 | 1.34352400 | -0.01393500 | | | | |
| N | 1.92516300 | -2.26273100 | -0.21049700 | H | -3.17699600 | 2.69737700 | 1.29351000 | | | | |
| C | 1.59158300 | -3.67241100 | -0.40582300 | H | -4.99863900 | -0.19538200 | -1.30217400 | | | | |
| H | 1.82481200 | -4.00354200 | -1.43021400 | H | -5.12979700 | 1.93634600 | -0.03721100 | | | | |
| H | 2.16487700 | -4.28771800 | 0.29220300 | C | -0.56282500 | -2.40943900 | 0.14035700 | | | | |
| H | 0.52741700 | -3.82660500 | -0.22082700 | H | -1.40166800 | -3.08878700 | 0.19664000 | | | | |
| C | 3.36857600 | -2.05860000 | -0.34228700 | C | 0.76718400 | -2.77871000 | 0.16553400 | | | | |
| H | 3.71780000 | -2.29616000 | -1.36006500 | H | 1.23491700 | -3.74892500 | 0.23338900 | | | | |
| H | 3.61624400 | -1.01765200 | -0.12366900 | INT-A | | | | | | | |
| H | 3.90058400 | -2.70351600 | 0.36256400 | | | | | | | | |

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|---|-------------|-------------|-------------|
| C | -3.38191400 | 0.66274100 | 2.13910100 |
| C | -3.00485100 | 1.84702200 | 1.22605700 |
| B | -1.37638600 | 0.27446000 | 1.18243800 |
| O | -2.20489800 | -0.13709800 | 2.19948300 |
| O | -1.83437700 | 1.40543900 | 0.53653000 |
| C | -1.15408100 | -3.03374100 | -0.57526700 |
| C | -2.42247100 | -2.37719100 | -0.51062000 |
| C | -2.53575400 | -1.13332800 | -1.16957000 |
| C | -1.42250100 | -0.53966100 | -1.70735700 |
| C | -0.08261800 | -1.11605700 | -1.41746600 |
| N | -0.06734500 | -2.51371600 | -1.04148400 |
| H | -1.09179900 | -4.06699500 | -0.23327600 |
| H | -3.27726900 | -2.84636900 | -0.04156800 |
| H | -1.50804000 | 0.39399300 | -2.25077400 |
| H | 0.59522600 | -0.97691700 | -2.26852700 |
| C | 0.60823500 | -0.28587800 | -0.22025700 |
| C | -3.80749900 | -0.45703100 | -1.22380500 |
| N | -4.81881300 | 0.10629300 | -1.21349900 |
| H | -3.66681000 | 0.97687800 | 3.14605900 |
| H | -2.75870600 | 2.74776600 | 1.79870900 |
| H | -3.78719600 | 2.08081700 | 0.50054400 |
| H | -4.19780900 | 0.07132900 | 1.70808600 |
| O | -0.25573900 | -0.43780000 | 0.90339400 |
| C | 1.92410500 | -0.97410000 | 0.12125700 |
| C | 2.95403400 | -1.00692600 | -0.82368700 |
| C | 2.11784600 | -1.59176700 | 1.35429200 |
| C | 4.15562800 | -1.64340500 | -0.53932500 |
| H | 2.81859600 | -0.51564600 | -1.78354500 |
| C | 3.32579100 | -2.22509500 | 1.64095400 |
| H | 1.31732600 | -1.57701400 | 2.08362400 |
| C | 4.34660300 | -2.25551500 | 0.69818800 |
| H | 4.94483700 | -1.66104800 | -1.28446300 |
| H | 3.46404600 | -2.69955300 | 2.60754400 |
| H | 5.28525300 | -2.75230600 | 0.92194200 |
| C | 0.78168600 | 1.15727100 | -0.61688400 |
| H | -0.07677400 | 1.63157500 | -1.07454900 |
| C | 1.86088100 | 1.89203300 | -0.29454700 |
| H | 2.69858600 | 1.43415600 | 0.22618200 |
| N | 2.05390200 | 3.22115800 | -0.59406000 |
| C | 0.92874500 | 3.95217700 | -1.13536300 |
| H | 0.06788000 | 3.95406500 | -0.44891800 |
| H | 1.23115300 | 4.98172700 | -1.33545200 |
| H | 0.61033600 | 3.49798400 | -2.07841400 |
| C | 2.94553600 | 3.97656100 | 0.26531500 |

INT3-iso2

| | | | |
|---|-------------|-------------|-------------|
| H | 3.79980900 | 3.35362700 | 0.53921000 |
| H | 3.31923200 | 4.85235800 | -0.27195700 |
| H | 2.45553600 | 4.31812800 | 1.18928800 |
| C | 5.26272100 | 0.48780500 | 1.44774300 |
| C | 5.46953500 | -1.03927100 | 1.54847700 |
| B | 3.33537400 | -0.58196200 | 1.03115800 |
| O | 3.84891100 | 0.64858900 | 1.34419400 |
| O | 4.25318000 | -1.59856900 | 1.05603700 |
| C | 0.74532000 | -2.98675100 | -1.38667800 |
| C | -0.05761500 | -4.11025600 | -0.69988100 |
| B | -1.15369700 | -2.15206900 | -0.51509800 |
| O | -0.15055700 | -1.87186700 | -1.41147600 |
| O | -1.10567900 | -3.43014000 | -0.01097400 |
| C | -3.35022500 | -1.73595200 | 0.42945600 |
| C | -4.50947500 | -1.06091100 | 0.44985300 |
| C | -4.55682200 | 0.24085900 | -0.21627100 |
| C | -3.44557700 | 0.81242300 | -0.71079300 |
| C | -2.09050700 | 0.18395700 | -0.54958800 |
| N | -2.19521200 | -1.23557300 | -0.16345200 |
| H | -3.24896100 | -2.73491300 | 0.83957000 |
| H | -5.39730800 | -1.47827300 | 0.90342000 |
| H | -3.49116100 | 1.77512700 | -1.20839400 |
| H | -1.56629700 | 0.19688800 | -1.51323200 |
| C | 1.17836200 | 0.20484400 | 0.36358000 |
| C | -5.82759900 | 0.90261000 | -0.35834000 |
| N | -6.85804200 | 1.41939500 | -0.46353300 |
| H | 5.62975800 | 1.02555700 | 2.32457100 |
| H | 5.61879900 | -1.36502600 | 2.58335700 |
| H | 6.30736800 | -1.39373400 | 0.94392200 |
| H | 5.73261700 | 0.90715500 | 0.55193600 |
| H | -0.49864800 | -4.80272700 | -1.42475600 |
| H | 0.54064300 | -4.67872300 | 0.01532700 |
| H | 1.03682500 | -3.24002100 | -2.40903700 |
| H | 1.63232900 | -2.70931800 | -0.80854200 |
| O | 2.02742900 | -0.82502400 | 0.72932000 |
| C | 1.68976400 | 1.06943900 | -0.73047000 |
| C | 2.16498600 | 0.48206100 | -1.90663900 |
| C | 1.73253500 | 2.45861000 | -0.58930300 |
| C | 2.65571000 | 1.27814100 | -2.93633400 |
| H | 2.12444700 | -0.59786100 | -2.01182700 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.22158200 | 3.25263600 | -1.62101800 | C | 4.68604900 | -2.18487300 | -1.32300000 |
| H | 1.39824300 | 2.90261500 | 0.34402400 | N | 5.74602000 | -2.34341300 | -1.76035000 |
| C | 2.68223700 | 2.66379900 | -2.79643200 | H | -5.36153900 | -0.46435900 | -1.35904100 |
| H | 3.01271700 | 0.81767800 | -3.85203700 | H | -5.63879600 | -0.80241700 | 1.00265400 |
| H | 2.25459300 | 4.33092400 | -1.50290400 | H | -4.78595600 | 0.70659800 | 1.39983900 |
| H | 3.06473300 | 3.28403000 | -3.60070200 | H | -5.20212700 | 1.24766300 | -0.90384700 |
| C | -0.03604200 | 0.25487100 | 0.91105200 | H | -1.25204100 | -3.51661500 | 3.17234500 |
| H | -0.25286300 | -0.47682100 | 1.68601800 | H | -2.59899600 | -2.42809800 | 2.73529100 |
| C | -1.18234600 | 1.07938100 | 0.38429000 | H | 0.29673600 | -1.68535900 | 3.37530100 |
| H | -0.78551400 | 1.84101100 | -0.29531100 | H | -1.18805500 | -0.83909100 | 3.88818400 |
| N | -1.94293500 | 1.81558800 | 1.38918100 | O | -1.47920400 | -0.92776800 | -0.34154400 |
| C | -1.20000000 | 2.96232100 | 1.87961900 | C | 1.53380000 | 1.95999500 | 0.62904200 |
| H | -0.93371000 | 3.61815200 | 1.04449800 | C | 2.15354400 | 3.03454200 | -0.02481100 |
| H | -1.82946100 | 3.53132400 | 2.56973100 | C | 1.17437300 | 2.08098100 | 1.98034000 |
| H | -0.27239800 | 2.68195300 | 2.41201400 | C | 2.41674700 | 4.21418900 | 0.66358100 |
| C | -2.42715000 | 1.00785700 | 2.49655500 | H | 2.45805600 | 2.91930600 | -1.06136000 |
| H | -2.95004400 | 0.12464200 | 2.12522300 | C | 1.42597800 | 3.27000900 | 2.65390500 |
| H | -1.62270800 | 0.68218400 | 3.17896200 | H | 0.64780600 | 1.25599800 | 2.45251900 |
| H | -3.14169200 | 1.59770000 | 3.07842800 | C | 2.05172500 | 4.33241700 | 2.00238400 |
| | | | | H | 2.91353300 | 5.03581100 | 0.15828100 |
| | | | | H | 1.13122100 | 3.36989300 | 3.69331400 |
| | | | | H | 2.25680800 | 5.25268100 | 2.53974300 |
| | | | | C | 0.64114300 | 0.62286700 | -1.28705100 |

INT-C

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -4.79387500 | 0.24467000 | -0.74437600 | H | 0.56151700 | -0.35670300 | -1.74246200 |
| C | -4.78836900 | -0.16867800 | 0.73870500 | C | -0.24446400 | 1.64380600 | -1.70165700 |
| B | -2.75023800 | -0.57415100 | -0.16394100 | H | -0.24343100 | 2.59884500 | -1.18123400 |
| O | -3.42332300 | 0.20730000 | -1.12242500 | N | -1.15891200 | 1.48461000 | -2.61686100 |
| O | -3.57786100 | -0.88578400 | 0.89853600 | C | -1.31016500 | 0.21264900 | -3.33522000 |
| C | -0.71811500 | -1.38581000 | 3.06295000 | H | -1.41298200 | -0.59186900 | -2.60356800 |
| C | -1.52311000 | -2.61302600 | 2.61375800 | H | -2.21219000 | 0.27054500 | -3.94107700 |
| B | -0.67621100 | -1.50124700 | 0.78007800 | H | -0.44229000 | 0.04661100 | -3.97767200 |
| O | -0.66238100 | -0.57361000 | 1.90844800 | C | -2.17227100 | 2.50212000 | -2.86942500 |
| O | -1.20628900 | -2.75849200 | 1.24889400 | H | -1.94504900 | 3.39725300 | -2.29088900 |
| C | 1.12102100 | -2.75500700 | -0.50153900 | H | -2.18615900 | 2.74741600 | -3.93380000 |
| C | 2.33239200 | -2.96393100 | -1.08819500 | H | -3.13746600 | 2.09450100 | -2.56110000 |
| C | 3.35666200 | -1.98819400 | -0.79609000 | | | | |
| C | 3.12966800 | -0.90862500 | -0.01542700 | | | | |
| C | 1.74999300 | -0.62015200 | 0.53100200 | | | | |

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|---|------------|-------------|-------------|
| N | 0.79704500 | -1.68608100 | 0.25495500 |
| H | 0.31000100 | -3.47232100 | -0.60119900 |
| H | 2.54862500 | -3.84810900 | -1.66777900 |
| H | 3.92244400 | -0.20782900 | 0.22258900 |
| H | 1.80051300 | -0.43723000 | 1.61501700 |
| C | 1.27651500 | 0.70419800 | -0.08724800 |

INT-D

| | | | |
|---|-------------|-------------|-------------|
| C | -2.83546700 | -1.58811100 | -0.34877800 |
| C | -3.34876000 | -0.28405400 | -0.30823200 |
| C | -2.57641600 | 0.82760500 | -0.07287900 |
| C | -1.10035700 | 0.68166200 | 0.20430400 |
| C | -0.61340000 | -0.57930500 | -0.51762500 |

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|-------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| N | -1.49391000 | -1.74549700 | -0.25261100 | C | -4.17994600 | -0.12004600 | 0.73150500 |
| H | -3.44567500 | -2.47919700 | -0.35903200 | H | -2.94570800 | 1.54682400 | 1.30319200 |
| H | -4.42104900 | -0.16506700 | -0.42291600 | C | -3.20899400 | -1.65870800 | -0.84218600 |
| H | -0.55707700 | 1.52265400 | -0.24672500 | H | -1.25733200 | -1.14502900 | -1.57762900 |
| H | -0.73004300 | -0.38117900 | -1.59442100 | C | -4.27346100 | -1.28501900 | -0.02739800 |
| C | 0.76017200 | -1.10574500 | -0.20860100 | H | -5.00496400 | 0.17913200 | 1.37019000 |
| C | -3.16112900 | 2.11198700 | 0.09254600 | H | -3.27573400 | -2.55574800 | -1.44948900 |
| N | -3.61401800 | 3.17557300 | 0.20716400 | H | -5.17008900 | -1.89431900 | 0.01394400 |
| C | 1.95420100 | -0.27246000 | -0.18239900 | C | -0.66963500 | 2.53853000 | -0.06330300 |
| C | 3.05655100 | -0.62887600 | 0.61455100 | H | -1.51530300 | 3.21036700 | -0.03662500 |
| C | 2.03143700 | 0.91312100 | -0.93201000 | C | 0.65274500 | 2.90020700 | -0.06078200 |
| C | 4.19292600 | 0.16555600 | 0.65043800 | H | 1.12600400 | 3.87046900 | -0.02877200 |
| H | 3.00096200 | -1.52461000 | 1.22581800 | O | 0.58378500 | -1.52005700 | 0.87955900 |
| C | 3.16931200 | 1.71214400 | -0.88562900 | H | -0.37071600 | -1.59349700 | 0.74248000 |
| H | 1.21118400 | 1.19287600 | -1.58669100 | H | 3.24003600 | 2.17698200 | -1.04737300 |
| C | 4.25383700 | 1.34259500 | -0.09648600 | | | | |
| H | 5.03132100 | -0.12504600 | 1.27513100 | | | | |
| H | 3.20942200 | 2.62165600 | -1.47591300 | | | | |
| H | 5.14045000 | 1.96645600 | -0.06019500 | | | | |
| C | 0.63417700 | -2.43429300 | 0.05940000 | C | 2.71530000 | 1.64861900 | -0.10039900 |
| H | 1.43853500 | -3.12410300 | 0.27906300 | C | 3.32905300 | 0.47730800 | -0.25317100 |
| C | -0.74081500 | -2.80898200 | 0.02202600 | C | 2.51336600 | -0.77481000 | -0.51008800 |
| H | -1.19049200 | -3.77238500 | 0.21279400 | C | 1.14670900 | -0.70481600 | 0.19949700 |
| O | -0.88027900 | 0.63906100 | 1.59589600 | C | 0.50668500 | 0.61600400 | -0.10906100 |
| H | 0.05258300 | 0.82786300 | 1.76029300 | N | 1.31758200 | 1.73144200 | -0.12939300 |
| | | | | H | 3.23460100 | 2.58663500 | 0.05474400 |
| | | | | H | 4.40855500 | 0.41121300 | -0.22049300 |
| | | | | H | 0.51348200 | -1.52605500 | -0.15535400 |
| | | | | C | -0.80540000 | 1.04348800 | -0.15502700 |
| INT-E | | | | C | 3.24479900 | -1.98705100 | -0.11736700 |
| C | 2.85354800 | 1.72460600 | -0.12408800 | N | 3.83526100 | -2.94060600 | 0.15797200 |
| C | 3.38547300 | 0.33496000 | 0.00440000 | C | -2.01481800 | 0.20190000 | -0.12734800 |
| C | 2.61770400 | -0.75683400 | -0.00344600 | C | -3.10516200 | 0.56569400 | 0.67209900 |
| C | 1.11516700 | -0.74120300 | -0.16988100 | C | -2.10967500 | -0.96175100 | -0.90062000 |
| C | 0.58201800 | 0.66510200 | -0.18108400 | C | -4.25258200 | -0.21909100 | 0.70745600 |
| N | 1.40697900 | 1.75790700 | -0.12434200 | C | -4.25258200 | -0.21909100 | 0.70745600 |
| H | 3.22573900 | 2.33219000 | 0.70941900 | H | -3.03831400 | 1.46472500 | 1.27809100 |
| H | 4.46240100 | 0.23839000 | 0.09993600 | C | -3.25324100 | -1.75237300 | -0.85683900 |
| H | 0.90462100 | -1.22527400 | -1.13699200 | H | -1.29070500 | -1.22658000 | -1.56319900 |
| C | -0.72671900 | 1.11742700 | -0.14565700 | C | -4.32814700 | -1.38437000 | -0.05185200 |
| C | 3.22314100 | -2.05719400 | 0.12328100 | H | -5.08758200 | 0.07613700 | 1.33481900 |
| N | 3.71945400 | -3.09908900 | 0.20353300 | H | -3.30996100 | -2.65040600 | -1.46358400 |
| C | -1.94541100 | 0.29041300 | -0.12373900 | H | -5.22194000 | -1.99870300 | -0.02113800 |
| C | -3.02732300 | 0.65541700 | 0.68850000 | C | -0.77232100 | 2.47330400 | -0.20798200 |
| C | -2.06068400 | -0.87295300 | -0.89830400 | H | -1.63061800 | 3.12464900 | -0.28528400 |

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|--------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| C | 0.54070700 | 2.86183200 | -0.19325600 | C | -3.16351200 | 0.09455100 | 0.48157100 |
| H | 0.99603700 | 3.83926000 | -0.25100000 | C | -2.27299500 | 0.98894700 | -0.25332000 |
| O | 1.41524200 | -0.83673700 | 1.58141200 | C | -1.10434900 | 0.56487200 | -0.77541500 |
| H | 0.58408200 | -0.71161400 | 2.05447900 | C | -0.78692500 | -0.90027400 | -0.75089100 |
| H | 2.31888200 | -0.85453800 | -1.58967400 | N | -1.45845700 | -1.53550700 | 0.39009900 |
| INT-G | | | | H | -3.18776700 | -1.77882000 | 1.52973800 |
| | | | | H | -4.13125100 | 0.43576300 | 0.81859400 |
| | | | | H | -0.40892700 | 1.25043600 | -1.24686100 |
| | | | | H | -1.12821800 | -1.38887900 | -1.67976100 |
| C | 2.64582000 | -1.13034500 | 1.24931500 | C | 0.70928200 | -1.33915300 | -0.60612300 |
| C | 3.22703700 | -0.13886800 | 0.27783200 | C | -2.63016600 | 2.38235500 | -0.34138900 |
| C | 2.19553400 | 0.98542600 | 0.04140700 | N | -2.93659300 | 3.49623200 | -0.40895600 |
| C | 0.90427000 | 0.90599500 | 0.39106100 | C | 1.61904300 | -0.22630900 | -0.09029400 |
| C | 0.28669600 | -0.37352100 | 0.94781000 | C | 1.63082600 | 0.10802900 | 1.26610500 |
| N | 1.34679300 | -1.39485600 | 0.79920700 | C | 2.39942600 | 0.51636600 | -0.97859500 |
| H | 2.60286300 | -0.70801300 | 2.25577200 | C | 2.41988600 | 1.15665500 | 1.72693400 |
| H | 4.11800500 | 0.32761100 | 0.72255900 | H | 1.02000000 | -0.46020600 | 1.96120600 |
| H | 0.22874500 | 1.74634800 | 0.25833500 | C | 3.19311600 | 1.56338600 | -0.51558100 |
| H | -0.02504100 | -0.25001500 | 1.99214700 | H | 2.37172600 | 0.27739300 | -2.03668000 |
| C | -0.79323700 | -0.84288600 | 0.01782900 | C | 3.20714600 | 1.88482400 | 0.83799100 |
| C | 2.68555000 | 2.20949600 | -0.53185000 | H | 2.41970000 | 1.40616300 | 2.78308800 |
| N | 3.11405400 | 3.18616900 | -0.98285200 | H | 3.79762300 | 2.13041900 | -1.21627200 |
| C | -2.13866100 | -0.27667100 | -0.00313400 | H | 3.82386100 | 2.70143300 | 1.19876300 |
| C | -3.09195700 | -0.71706900 | -0.93517000 | C | 0.58975000 | -2.49189500 | 0.37733300 |
| C | -2.50228000 | 0.73856600 | 0.89393900 | H | 1.42042000 | -3.12407200 | 0.65937600 |
| C | -4.36210300 | -0.16181100 | -0.96545700 | C | -0.63477500 | -2.52365700 | 0.91170100 |
| H | -2.83188700 | -1.49841000 | -1.64200900 | H | -1.02583800 | -3.18232600 | 1.67862500 |
| C | -3.77741900 | 1.29243800 | 0.86332400 | O | 1.09624200 | -1.74644300 | -1.90840700 |
| H | -1.78708900 | 1.10040500 | 1.62691700 | H | 2.01698800 | -2.03317300 | -1.86447700 |
| C | -4.71140200 | 0.84549200 | -0.06564800 | INT-I | | | |
| H | -5.08500400 | -0.51425600 | -1.69370700 | | | | |
| H | -4.03928200 | 2.07586000 | 1.56660100 | C | -2.68958700 | -1.59583200 | -0.63318300 |
| H | -5.70574200 | 1.27832700 | -0.09130300 | C | -3.37552400 | -0.44345600 | -0.78778200 |
| C | -0.26437400 | -1.85659600 | -0.72823700 | C | -2.74032700 | 0.79163500 | -0.32999700 |
| H | -0.74844000 | -2.40591100 | -1.52360900 | C | -1.43425100 | 0.84340700 | -0.00219800 |
| C | 1.04260600 | -2.14983000 | -0.24027000 | C | -0.57748800 | -0.35118800 | -0.28911500 |
| H | 1.75839500 | -2.87392200 | -0.60121700 | N | -1.38440600 | -1.57560100 | -0.22722500 |
| O | 3.51465400 | -0.67123600 | -1.00320300 | H | -3.12972200 | -2.57641900 | -0.78493200 |
| H | 4.09483000 | -1.42622700 | -0.83586300 | H | -4.40300500 | -0.44121700 | -1.12090600 |
| INT-H | | | | H | -0.98425500 | 1.72739800 | 0.43389000 |
| C | -2.67457200 | -1.10997400 | 0.84562600 | H | -0.14174600 | -0.28606900 | -1.30232100 |
| | | | | C | 0.59459300 | -0.62910300 | 0.69203600 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.57173700 | 1.95365200 | -0.14220200 | H | -4.73572600 | 0.08423600 | 1.79322900 |
| N | -4.25153000 | 2.88047100 | -0.00754900 | H | -3.52724600 | -2.38252700 | -1.50666300 |
| C | 1.89424500 | -0.00906100 | 0.19964200 | H | -5.17213000 | -1.81849800 | 0.26383700 |
| C | 2.64776800 | -0.63345900 | -0.79789300 | C | -0.62433500 | 2.50879300 | -0.21603900 |
| C | 2.32789900 | 1.21382100 | 0.71306900 | H | -1.48612800 | 3.15148600 | -0.09431100 |
| C | 3.81477000 | -0.04527200 | -1.27317900 | C | 0.63566200 | 2.91116900 | -0.38805300 |
| H | 2.31441300 | -1.58716600 | -1.19814400 | H | 1.09496600 | 3.88624100 | -0.43898600 |
| C | 3.49780700 | 1.80212300 | 0.23748100 | O | 0.48873000 | -1.62912500 | 0.53314700 |
| H | 1.74192900 | 1.69890900 | 1.48653100 | H | -0.28155400 | -1.99875800 | 0.08516400 |
| C | 4.24390100 | 1.17505800 | -0.75521500 | | | | |
| H | 4.39285000 | -0.54211400 | -2.04575100 | | | | |
| H | 3.82460100 | 2.75374900 | 0.64439000 | | | | |
| H | 5.15597500 | 1.63300100 | -1.12383000 | | | | |
| C | 0.57795100 | -2.15118100 | 0.72993700 | C | -2.81465300 | -0.46283700 | -0.96197900 |
| H | 1.35282400 | -2.75070200 | 1.18751900 | C | -1.43521800 | -0.88345000 | -1.37644700 |
| C | -0.59743400 | -2.59957900 | 0.27038300 | C | -0.55111800 | -1.47467200 | -0.55764200 |
| H | -0.97991900 | -3.61363200 | 0.25613400 | C | -0.76761100 | -1.61437500 | 0.95806300 |
| O | 0.21993600 | -0.08774000 | 1.95229600 | C | -1.20815000 | -0.25092900 | 1.46613600 |
| H | 0.87260800 | -0.37730100 | 2.60177000 | N | -3.27544900 | 0.61398000 | -0.47572300 |

INT-K

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| | | | | H | -3.56018700 | -1.25216600 | -1.12080100 |
| | | | | H | -1.20658400 | -0.81440800 | -2.43769100 |
| | | | | H | -1.62596800 | -2.29232500 | 1.09392100 |
| | | | | H | -2.22268900 | -0.20791000 | 1.85260900 |
| C | 2.57607800 | 1.68518900 | 0.52485700 | C | -0.66434800 | 0.89662000 | 1.01497700 |
| C | 3.16284200 | 0.45115100 | 0.61459700 | C | 0.69582800 | -1.94120700 | -1.10550700 |
| C | 2.64449400 | -0.71533100 | 0.05732100 | N | 1.69269100 | -2.29495600 | -1.57518900 |
| C | 1.20396000 | -0.80086700 | -0.36979400 | C | 0.73090000 | 0.98367000 | 0.51924200 |
| C | 0.58479900 | 0.58067200 | -0.37596800 | C | 1.02116000 | 1.61310700 | -0.69974600 |
| N | 1.49023100 | 1.73721300 | -0.49880700 | C | 1.77951000 | 0.41473800 | 1.24989700 |
| H | 2.99032500 | 2.64409100 | 0.78329300 | C | 2.31964900 | 1.63406400 | -1.19132500 |
| H | 4.10841200 | 0.38906100 | 1.14723200 | H | 0.21207800 | 2.05448700 | -1.27415600 |
| H | 1.12748700 | -1.22599100 | -1.38518400 | C | 3.08067100 | 0.44184200 | 0.75966100 |
| H | 1.90974500 | 1.68121800 | -1.44704200 | H | 1.56168500 | -0.05051600 | 2.20381100 |
| C | -0.67020800 | 1.04082300 | -0.21897200 | C | 3.35248200 | 1.04420200 | -0.46422500 |
| C | 3.36484100 | -1.93225900 | 0.09273700 | H | 2.52725500 | 2.10380900 | -2.14724100 |
| N | 3.95579400 | -2.93496000 | 0.08366200 | H | 3.88154900 | -0.01264100 | 1.33310700 |
| C | -1.90723900 | 0.24988700 | -0.08394700 | H | 4.36564400 | 1.05536300 | -0.85227500 |
| C | -2.84844300 | 0.57582300 | 0.89542400 | C | -1.55319700 | 2.01248400 | 0.66113300 |
| C | -2.16746700 | -0.81471400 | -0.95439300 | H | -1.26526800 | 3.04073500 | 0.86111100 |
| C | -4.01713700 | -0.16837500 | 1.02071700 | C | -2.62194000 | 1.80562000 | -0.13492500 |
| H | -2.64984900 | 1.39799400 | 1.57699500 | H | -3.17848800 | 2.67154300 | -0.48874700 |
| C | -3.33537700 | -1.55889800 | -0.82697300 | O | 0.39064600 | -2.20238700 | 1.50571900 |
| H | -1.45870000 | -1.04031300 | -1.74804200 | H | 0.28132200 | -2.22330800 | 2.46309700 |
| C | -4.26107300 | -1.23823000 | 0.16370600 | | | | |

INT-L

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.81619500 | 1.56139400 | 0.06599700 | H | 0.40746900 | -1.25376600 | -0.22229500 |
| C | 3.33730200 | 0.30201000 | -0.20186400 | H | 0.46916200 | 3.44452900 | -0.98501600 |
| C | 2.52296500 | -0.81724300 | -0.27010100 | C | -0.66151500 | 1.15392000 | 0.16571300 |
| C | 1.12856800 | -0.77778400 | 0.27606300 | C | 2.90501100 | -2.02358400 | -0.81878700 |
| C | 0.62036500 | 0.61336100 | 0.10254000 | N | 3.22209500 | -3.06803700 | -1.20500800 |
| N | 1.45936100 | 1.65404300 | 0.13321200 | C | -1.74732400 | 0.14649000 | 0.05708100 |
| H | 3.38155800 | 2.47987100 | 0.10211500 | C | -1.82749100 | -0.96654900 | 0.90590900 |
| H | 4.39550800 | 0.21148100 | -0.42142800 | C | -2.75752500 | 0.34095700 | -0.89693400 |
| H | 0.46997800 | -1.47928900 | -0.24301700 | C | -2.87838000 | -1.87075300 | 0.78210400 |
| H | 1.05597500 | 3.49023900 | -0.80031500 | H | -1.06963700 | -1.11229300 | 1.66875000 |
| C | -0.74846400 | 1.11140700 | -0.00499800 | C | -3.80053900 | -0.56775300 | -1.02202900 |
| C | 3.03873300 | -2.06221000 | -0.73116500 | H | -2.70584300 | 1.20567800 | -1.55226800 |
| N | 3.44648400 | -3.07967500 | -1.11386700 | C | -3.86344700 | -1.67766800 | -0.18156100 |
| C | -1.94954200 | 0.25744800 | -0.05251200 | H | -2.92788000 | -2.72626800 | 1.44767800 |
| C | -2.05935800 | -0.87477700 | 0.76438100 | H | -4.56540300 | -0.41033600 | -1.77549800 |
| C | -3.00740700 | 0.59640100 | -0.90300000 | H | -4.68068100 | -2.38546700 | -0.27518800 |
| C | -3.21465700 | -1.64926700 | 0.72474600 | C | -1.12030700 | 2.55183600 | 0.09398000 |
| H | -1.24803200 | -1.13231300 | 1.43972700 | H | -2.10303600 | 2.72525300 | 0.52892100 |
| C | -4.15952000 | -0.18028600 | -0.93661500 | C | -0.48452800 | 3.57129900 | -0.48863600 |
| H | -2.90961400 | 1.46163400 | -1.55218200 | H | -0.92253300 | 4.56421200 | -0.48714400 |
| C | -4.26447700 | -1.30621200 | -0.12317000 | O | 1.20591300 | -1.19236700 | 1.61638000 |
| H | -3.29395400 | -2.52364800 | 1.36227200 | H | 1.78981000 | -0.63177000 | 2.14378600 |
| H | -4.97151000 | 0.08728600 | -1.60485300 | | | | |
| H | -5.16118700 | -1.91657800 | -0.15332300 | | | | |
| C | -0.71021100 | 2.46011400 | -0.03022900 | C | 1.24119000 | 2.04181200 | -2.51799600 |
| H | -1.55572200 | 3.13358300 | -0.03353800 | C | 1.78390700 | 2.84978200 | -1.30905700 |
| C | 0.71126900 | 2.91953100 | 0.06692800 | B | 0.05758100 | 1.55812400 | -0.66115700 |
| H | 0.90801500 | 3.50570800 | 0.97119500 | O | 0.18245200 | 1.23951200 | -1.99219900 |
| O | 1.05360500 | -1.18726700 | 1.65052300 | O | 0.95150800 | 2.48321600 | -0.21384000 |
| H | 1.78866600 | -0.76373400 | 2.11173900 | C | -1.68979900 | -0.01699500 | -0.06894500 |

INT-M

| | | | | | | | |
|---|------------|-------------|-------------|---|-------------|-------------|------------|
| C | 2.82879300 | 1.59177600 | 0.17841600 | O | -0.91452500 | 1.08151500 | 0.17275300 |
| C | 3.31295800 | 0.32694200 | -0.36345200 | C | -3.11634500 | 0.20634100 | 0.27226900 |
| C | 2.48781100 | -0.73512300 | -0.34698200 | C | -3.96012400 | -0.85645700 | 0.61388300 |
| C | 1.12566500 | -0.62895900 | 0.31200200 | C | -3.63414600 | 1.50478900 | 0.26368800 |
| C | 0.65461400 | 0.81256200 | 0.30577100 | C | -5.29852800 | -0.62902900 | 0.90697200 |
| N | 1.59903600 | 1.82727100 | 0.47509500 | H | -3.56155000 | -1.86398400 | 0.67808200 |
| H | 3.54536900 | 2.39625200 | 0.33789700 | C | -4.97413500 | 1.73078000 | 0.56004700 |
| H | 4.32521200 | 0.25590200 | -0.74684200 | H | -2.97876100 | 2.33474100 | 0.02511100 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -5.81176100 | 0.66587900 | 0.87766100 | H | 3.29883000 | 2.39881600 | 0.78331400 |
| H | -5.93857600 | -1.46333000 | 1.17489100 | H | 4.91340900 | 0.86586500 | -0.40150900 |
| H | -5.36351100 | 2.74358800 | 0.54424800 | H | 1.55064700 | -1.64750900 | -1.48027000 |
| H | -6.85607700 | 0.84427200 | 1.11244800 | H | 0.76755200 | 0.97214600 | -1.71167300 |
| C | -1.21650400 | -1.19068500 | -0.50982900 | C | -0.35052800 | 0.05127400 | -0.14326700 |
| H | -1.93946300 | -1.97303400 | -0.70802900 | C | 4.19284600 | -1.58368600 | -1.35979700 |
| C | 0.18778600 | -1.57926400 | -0.88983700 | N | 4.93351500 | -2.41923700 | -1.66409800 |
| H | 0.35294100 | -1.28216100 | -1.93357600 | H | -5.08068400 | -1.49525200 | -1.48153500 |
| N | 0.31890200 | -3.02422700 | -0.83901800 | H | -5.07101000 | -0.72802400 | 0.78828200 |
| C | 0.18036800 | -3.59445800 | 0.49343400 | H | -5.02724800 | 0.97697400 | 0.28468400 |
| H | -0.72790400 | -3.21534100 | 0.97047100 | H | -5.55122300 | 0.16437600 | -1.90902800 |
| H | 0.09198200 | -4.68083500 | 0.40583000 | O | -1.29414700 | 0.01208500 | -1.20914800 |
| H | 1.03873000 | -3.37084600 | 1.14799300 | C | -0.30335500 | -1.28970600 | 0.58525400 |
| C | 1.52212900 | -3.51413200 | -1.48959800 | C | 0.39747100 | -1.39459800 | 1.78925800 |
| H | 2.44618000 | -3.25760400 | -0.94499900 | C | -0.88398200 | -2.43381100 | 0.03738200 |
| H | 1.46552600 | -4.60337200 | -1.56716300 | C | 0.50326100 | -2.61837100 | 2.44055400 |
| H | 1.58814000 | -3.10520300 | -2.50256400 | H | 0.87028000 | -0.51478100 | 2.21718600 |
| C | 2.41795900 | -0.52684300 | -0.77686600 | C | -0.78159000 | -3.65833800 | 0.69350300 |
| C | 3.46729000 | 0.02337900 | -0.11413300 | H | -1.40305400 | -2.37354300 | -0.91428900 |
| C | 3.38510800 | 0.27921500 | 1.28691200 | C | -0.09045900 | -3.75447300 | 1.89648800 |
| C | 2.17369600 | -0.10290800 | 1.94174500 | H | 1.05176100 | -2.68414800 | 3.37462300 |
| C | 1.15143800 | -0.65898300 | 1.24456700 | H | -1.23924700 | -4.54017300 | 0.25655600 |
| N | 1.22815300 | -0.84796600 | -0.13215900 | H | -0.00858300 | -4.70971800 | 2.40458200 |
| H | 2.44178300 | -0.74290400 | -1.83854000 | C | -0.56449700 | 1.20383900 | 0.79724000 |
| H | 4.37202400 | 0.26333700 | -0.66115700 | H | -1.46921600 | 1.30345000 | 1.38078500 |
| H | 2.05812800 | 0.05609500 | 3.00690300 | C | 0.68646000 | 2.00569000 | 1.02255200 |
| H | 0.21005000 | -0.93800000 | 1.70018200 | H | 0.99298700 | 1.97086500 | 2.08176600 |
| C | 4.45931500 | 0.87062500 | 1.98858800 | N | 0.63502200 | 3.43196300 | 0.68551500 |
| N | 5.34817900 | 1.36018900 | 2.55931300 | C | 0.27740800 | 3.66984600 | -0.70588000 |
| | | | | H | -0.72042100 | 3.27704500 | -0.96861700 |
| | | | | H | 0.28584900 | 4.74657000 | -0.89251100 |
| | | | | H | 1.01970800 | 3.20897600 | -1.36194500 |
| | | | | C | -0.24447200 | 4.15272300 | 1.59037600 |

INT-O

| | | | |
|---|-------------|-------------|-------------|
| C | -4.80432100 | -0.43965000 | -1.38865700 |
| C | -4.62131800 | -0.02087600 | 0.08790300 |
| B | -2.62721100 | -0.06567400 | -0.96480800 |
| O | -3.52634400 | -0.24058700 | -1.98445100 |
| O | -3.20818400 | 0.00625700 | 0.28049000 |
| C | 2.98742900 | 1.52516800 | 0.21837500 |
| C | 3.84716000 | 0.69496100 | -0.40928800 |
| C | 3.28841600 | -0.52620600 | -0.98365800 |
| C | 1.95976100 | -0.71315100 | -1.11119000 |
| C | 1.02489600 | 0.41803200 | -0.78914700 |
| N | 1.64143800 | 1.29025600 | 0.20190500 |

INT-P

| | | | |
|---|------------|-------------|-------------|
| C | 4.77750900 | -0.58917600 | -1.18666400 |
| C | 4.58899100 | -0.49825900 | 0.34470200 |
| B | 2.59403700 | -0.75753200 | -0.67328300 |
| O | 3.49351500 | -0.94046800 | -1.69169700 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| O | 3.17634800 | -0.42816200 | 0.52892200 | H | 3.17173100 | -1.79011400 | -1.55261600 |
| C | -2.95686800 | -2.07781000 | 0.90819300 | H | 4.16821700 | 0.36214100 | -0.73060800 |
| C | -3.84904100 | -1.48623500 | 0.08534100 | H | 0.42435500 | 1.21206300 | 1.28693200 |
| C | -3.36125100 | -0.41278100 | -0.77638300 | H | 1.10238300 | -1.45275100 | 1.62912500 |
| C | -2.04521500 | -0.17125700 | -0.94427400 | C | -0.75285600 | -1.33261800 | 0.55436700 |
| C | -1.05046200 | -1.13403600 | -0.36833400 | C | 2.70365400 | 2.31210000 | 0.46415600 |
| N | -1.62377700 | -1.79660600 | 0.80883900 | N | 3.04723100 | 3.41174100 | 0.57260400 |
| H | -3.24107000 | -2.76509400 | 1.69933600 | O | -1.26742400 | -1.77008300 | 1.79585600 |
| H | -4.90388800 | -1.71136100 | 0.14124500 | C | -1.63383600 | -0.18730700 | 0.07615900 |
| H | -1.69144300 | 0.67840200 | -1.51795100 | C | -1.39782100 | 0.38489700 | -1.17744400 |
| H | -0.77795600 | -1.90417600 | -1.11041200 | C | -2.64633400 | 0.32782800 | 0.88281300 |
| C | 0.32416500 | -0.57747700 | 0.14372200 | C | -2.16685300 | 1.45519000 | -1.61833600 |
| C | -4.33044800 | 0.45958100 | -1.39015100 | H | -0.60629600 | -0.01257500 | -1.80799900 |
| N | -5.12265700 | 1.14637800 | -1.87995100 | C | -3.42005600 | 1.39793500 | 0.43597200 |
| H | 5.08033700 | 0.37101600 | -1.61781000 | H | -2.82600300 | -0.11553500 | 1.85464400 |
| H | 5.05771200 | 0.38838400 | 0.77757200 | C | -3.18334300 | 1.96377500 | -0.81190600 |
| H | 4.97169100 | -1.38616300 | 0.85897000 | H | -1.97348600 | 1.89309600 | -2.59236700 |
| H | 5.50753300 | -1.34837400 | -1.47736700 | H | -4.21002100 | 1.78907000 | 1.06932400 |
| O | 1.25968800 | -0.89039200 | -0.88265200 | H | -3.78547900 | 2.79845700 | -1.15618500 |
| C | 0.29962200 | 0.92896600 | 0.39334800 | C | -0.64818900 | -2.44314600 | -0.47784700 |
| C | -0.34455900 | 1.43396700 | 1.52440200 | H | -1.49790800 | -3.03318300 | -0.79054700 |
| C | 0.83867100 | 1.82166300 | -0.53494500 | C | 0.57925300 | -2.47683600 | -1.00901000 |
| C | -0.43274200 | 2.80622800 | 1.73290300 | H | 0.95759600 | -3.10734400 | -1.80550800 |
| H | -0.77151300 | 0.74537600 | 2.24731300 | H | -0.83459100 | -2.60519600 | 2.00775100 |
| C | 0.75419900 | 3.19546100 | -0.32268300 | | | | |
| H | 1.31507600 | 1.44245900 | -1.43378100 | | | | |
| C | 0.12060200 | 3.69193200 | 0.81177400 | | | | |
| H | -0.93404900 | 3.18420500 | 2.61820400 | | | | |
| H | 1.18127200 | 3.87844700 | -1.05015200 | C | -2.21197600 | -2.84319600 | -0.20208700 |
| H | 0.05347100 | 4.76248400 | 0.97581200 | C | -3.44432000 | -2.21305500 | -0.05643800 |
| C | 0.51685700 | -1.38170100 | 1.41753900 | C | -3.42378200 | -0.82390400 | 0.11889000 |
| H | 1.42346500 | -1.33945000 | 2.00208500 | C | -2.21582300 | -0.14256700 | 0.12794200 |
| C | -0.61924800 | -2.00618700 | 1.74350900 | C | -1.01630300 | -0.86998300 | -0.05123400 |
| H | -0.83689300 | -2.60200000 | 2.62254600 | N | -1.04272700 | -2.21746300 | -0.20380100 |

INT-R

INT-Q

| | | | | | | | |
|---|------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.66505200 | -1.13248600 | -0.85271200 | C | -4.65732800 | -0.09947100 | 0.30046200 |
| C | 3.18288700 | 0.03944300 | -0.42784900 | N | -5.65011300 | 0.47692100 | 0.44344500 |
| C | 2.30463700 | 0.93472700 | 0.32246600 | C | 0.35997800 | 1.26026800 | -0.05270600 |
| C | 1.11374100 | 0.52669600 | 0.80596800 | C | 1.04886100 | 1.94617600 | 0.95750100 |
| C | 0.75929900 | -0.92677700 | 0.71700500 | C | -0.24104000 | 2.01080700 | -1.07308200 |
| N | 1.42326800 | -1.53145400 | -0.44140500 | C | 1.13344200 | 3.33467700 | 0.94863700 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 1.50756600 | 1.37459500 | 1.75962200 | H | -4.61439500 | 1.77794400 | 0.97927100 |
| C | -0.15895900 | 3.39914500 | -1.08140000 | H | -4.87016800 | -1.87775600 | -1.25774100 |
| H | -0.77121700 | 1.49123300 | -1.86660300 | H | -5.96959600 | 0.11383700 | -0.26616200 |
| C | 0.52959300 | 4.06639300 | -0.07081300 | C | -0.07006100 | -1.75102700 | 0.60890500 |
| H | 1.66303300 | 3.84716300 | 1.74574900 | H | -0.57087900 | -2.67686300 | 0.85629900 |
| H | -0.63092200 | 3.96054700 | -1.88157700 | C | 1.43196600 | -1.59412100 | 0.60655500 |
| H | 0.59212800 | 5.14972200 | -0.07639700 | H | 1.89931400 | -1.86129700 | 1.57900000 |
| C | 1.44214000 | -1.01099600 | -0.01047500 | N | 2.05236500 | -2.37162000 | -0.47595700 |
| H | 1.27855700 | -2.07947600 | 0.07660600 | C | 1.81384900 | -3.79337300 | -0.26398700 |
| C | 2.72757500 | -0.52385900 | -0.12188800 | H | 0.74708900 | -4.01554900 | -0.32349400 |
| H | 2.90162600 | 0.54177200 | -0.24074100 | H | 2.31463000 | -4.35617200 | -1.05436300 |
| N | 3.85531500 | -1.28370300 | -0.13637000 | H | 2.19660200 | -4.15396500 | 0.70896200 |
| C | 3.76496000 | -2.71199000 | 0.08308500 | C | 3.48062600 | -2.11765300 | -0.58807700 |
| H | 3.06757200 | -3.15739300 | -0.63118600 | H | 3.90023100 | -2.79646800 | -1.33373500 |
| H | 4.74908400 | -3.15841600 | -0.06670600 | H | 3.66161700 | -1.09802700 | -0.93194800 |
| H | 3.41762700 | -2.94639300 | 1.09882600 | H | 4.02304800 | -2.27947400 | 0.36378000 |
| C | 5.14591600 | -0.66089000 | 0.07638200 | | | | |
| H | 5.10145500 | 0.38249600 | -0.24060400 | | | | |
| H | 5.44837800 | -0.69137300 | 1.13217900 | | | | |
| H | 5.90926100 | -1.17064300 | -0.51786200 | | | | |

INT-T

INT-S

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.66949700 | 0.63095500 | 0.61244600 | C | 2.80768000 | -0.25911200 | 2.39664500 |
| C | 2.62516000 | 1.96262300 | 0.34974200 | C | 3.97466700 | 0.28144200 | 1.56270200 |
| C | 1.41357700 | 2.56398200 | -0.12405800 | B | 2.13656100 | -0.13240900 | 0.23632300 |
| C | 0.24785800 | 1.76630000 | -0.18937400 | O | 1.96762000 | -0.87487700 | 1.43984900 |
| C | 0.32293700 | 0.43370000 | 0.11279900 | O | 3.38469500 | 0.58163300 | 0.30810400 |
| N | 1.55808500 | -0.15524700 | 0.39834200 | C | 1.30573700 | 2.17596300 | -0.22962600 |
| H | 3.54897900 | 0.13142700 | 0.99932800 | C | 0.40809200 | 3.18553200 | -0.33698200 |
| H | 3.50531800 | 2.57102700 | 0.51531600 | C | -0.97591600 | 2.82808700 | -0.31574600 |
| H | -0.70828600 | 2.20429500 | -0.45167200 | C | -1.34373300 | 1.52164100 | -0.21231800 |
| C | -0.68673200 | -0.60010800 | 0.27068500 | C | -0.37018000 | 0.45467000 | -0.14436400 |
| C | 1.36892200 | 3.94479900 | -0.44830600 | N | 0.96883700 | 0.85057400 | -0.10545300 |
| N | 1.33622500 | 5.07621900 | -0.71303000 | H | 2.37059500 | 2.36236400 | -0.21156200 |
| C | -2.13743900 | -0.38698800 | 0.11397900 | H | 0.72800100 | 4.21421700 | -0.42338100 |
| C | -2.76558200 | 0.73166500 | 0.67357000 | H | -2.39141300 | 1.25617300 | -0.23869600 |
| C | -2.91010100 | -1.32459600 | -0.57859400 | C | -0.80579800 | -0.87079700 | -0.18092000 |
| C | -4.13815300 | 0.90913700 | 0.53670000 | C | -1.98514400 | 3.84755300 | -0.43608000 |
| H | -2.17795600 | 1.44786500 | 1.23978800 | N | -2.78492000 | 4.67837400 | -0.53330200 |
| C | -4.28254500 | -1.14652800 | -0.71209100 | H | 4.43157200 | 1.18037800 | 1.98782000 |
| H | -2.41990100 | -2.18267600 | -1.02886400 | H | 4.75822300 | -0.48031700 | 1.43682100 |
| C | -4.89917400 | -0.02770100 | -0.15743500 | H | 2.27980400 | 0.56288300 | 2.90130900 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -4.19852300 | -1.02233900 | 1.52607800 | H | -2.66423700 | -2.05657000 | 2.85951700 |
| H | -2.27728600 | -0.16920800 | 1.98864000 | H | -3.13303400 | -1.21749600 | 1.35442000 |
| C | -4.34338700 | -2.20760800 | -0.56166300 | C | 0.59109400 | 1.97410600 | 0.10000300 |
| H | -2.55170700 | -2.23634200 | -1.75164700 | C | 0.25936500 | 3.03342800 | -0.75655000 |
| C | -4.94430100 | -1.76439400 | 0.61288800 | C | 1.28397800 | 2.26616400 | 1.28205300 |
| H | -4.65332000 | -0.68028500 | 2.45060600 | C | 0.63280200 | 4.33684100 | -0.45265000 |
| H | -4.91605600 | -2.78334900 | -1.28225400 | H | -0.28961700 | 2.81774100 | -1.66824600 |
| H | -5.98451500 | -1.99658700 | 0.81702700 | C | 1.66206400 | 3.57094100 | 1.58420800 |
| C | -0.03276400 | -2.04930200 | -0.48113700 | H | 1.50921700 | 1.45663500 | 1.97100400 |
| H | -0.61274500 | -2.96688100 | -0.41244800 | C | 1.33918800 | 4.61086100 | 0.71729700 |
| C | 1.23787300 | -2.27022400 | -0.85226100 | H | 0.37746100 | 5.14275100 | -1.13370700 |
| H | 1.60618400 | -3.27511400 | -1.01647400 | H | 2.19826200 | 3.77608700 | 2.50539600 |
| N | 2.23998900 | -1.22613400 | -1.01420600 | H | 1.62924600 | 5.62947700 | 0.95402300 |
| C | 2.09273400 | -0.54479000 | -2.32778600 | C | -1.17628300 | 0.31740200 | -0.66011000 |
| H | 1.06378200 | -0.20383000 | -2.43399200 | H | -1.31133700 | -0.56878000 | -1.27797800 |
| H | 2.77468900 | 0.30940900 | -2.35390200 | C | -2.25436200 | 1.04952100 | -0.31160500 |
| H | 2.33059100 | -1.24910800 | -3.12903500 | H | -2.13142500 | 1.93625800 | 0.30793900 |
| C | 3.58777800 | -1.84643800 | -0.93427800 | N | -3.57128300 | 0.75395900 | -0.61674300 |
| H | 3.69335800 | -2.28523600 | 0.05867600 | C | -3.81220100 | -0.36057100 | -1.50698100 |
| H | 3.67153100 | -2.62327900 | -1.69861900 | H | -3.34711400 | -1.26676500 | -1.10336700 |
| H | 4.34045400 | -1.07468800 | -1.08558600 | H | -4.88818700 | -0.52801300 | -1.58906400 |
| | | | | H | -3.40041300 | -0.19060300 | -2.51472600 |
| | | | | C | -4.47108100 | 1.88132400 | -0.78395000 |
| | | | | H | -4.26613500 | 2.62614400 | -0.01158400 |
| | | | | H | -4.36476800 | 2.36387500 | -1.76723000 |
| | | | | H | -5.50523700 | 1.54505700 | -0.67219500 |

INT-U

| | | | |
|---|-------------|-------------|-------------|
| C | -2.44841700 | -1.95436400 | 1.79409300 |
| C | -2.48009300 | -3.29484500 | 1.03898600 |
| B | -0.63319300 | -2.13441500 | 0.50713700 |
| O | -1.10901200 | -1.49589200 | 1.61734200 |
| O | -1.42672200 | -3.17146000 | 0.07707600 |
| C | 1.42211900 | -2.81811700 | -0.62638200 |
| C | 2.74418100 | -2.65158700 | -0.79773400 |
| C | 3.31971800 | -1.35783300 | -0.46202500 |
| C | 2.52532700 | -0.30780500 | -0.12901400 |
| C | 1.08711700 | -0.45085500 | -0.13058900 |
| N | 0.60835400 | -1.79406700 | -0.15243300 |
| H | 0.91673300 | -3.76267500 | -0.79663600 |
| H | 3.37144400 | -3.45727000 | -1.15281800 |
| H | 2.95472000 | 0.67108000 | 0.04667800 |
| C | 0.19209800 | 0.58443400 | -0.22535100 |
| C | 4.74401900 | -1.18601600 | -0.52889500 |
| N | 5.89453800 | -1.06634000 | -0.58655500 |
| H | -2.26380400 | -4.14305400 | 1.69707600 |
| H | -3.42500000 | -3.47601400 | 0.52178300 |

INT-V

| | | | |
|---|-------------|-------------|-------------|
| C | 1.68639700 | 0.35676300 | 2.42351800 |
| C | 3.15675100 | 0.35206700 | 1.97079300 |
| B | 1.83115400 | -0.71814700 | 0.47631300 |
| O | 1.09613600 | -0.69864200 | 1.66917400 |
| O | 3.11677600 | -0.19327500 | 0.65333300 |
| C | 1.78368900 | 0.76267100 | -1.72232500 |
| C | 1.69521300 | 2.08849600 | -1.51485800 |
| C | 0.69412400 | 2.65772700 | -0.65338700 |
| C | -0.37602000 | 1.82119100 | -0.29597100 |
| C | -0.30397600 | 0.46934000 | -0.50737900 |
| N | 1.01512400 | -0.11942100 | -0.84558400 |
| H | 2.46747400 | 0.27868800 | -2.40608400 |
| H | 2.35002100 | 2.74820900 | -2.07453000 |
| H | -1.30774500 | 2.24414500 | 0.06737400 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -1.24584000 | -0.59494000 | -0.54604600 | H | 0.33079000 | -2.66270800 | 0.52150100 |
| C | 0.65742000 | 4.05310800 | -0.39997200 | C | -0.23748500 | -0.20053400 | 0.00221200 |
| N | 0.63844400 | 5.19444100 | -0.17832000 | C | 4.66653600 | 0.02971200 | -0.30846500 |
| H | 3.59102100 | 1.35450500 | 1.94237900 | N | 5.65492900 | 0.61084300 | -0.47001300 |
| H | 3.77583800 | -0.28837000 | 2.61076800 | C | -0.40319400 | 1.27347300 | 0.01755800 |
| H | 1.20134600 | 1.30736900 | 2.16468600 | C | -1.20737800 | 1.91213600 | -0.93824700 |
| H | 1.55896100 | 0.16237500 | 3.49107600 | C | 0.21579300 | 2.06610800 | 0.99331400 |
| C | -2.65784200 | -0.43823700 | -0.14599100 | C | -1.36600700 | 3.29230500 | -0.93149700 |
| C | -2.97477000 | 0.21569900 | 1.04941500 | H | -1.70265400 | 1.30777300 | -1.69255900 |
| C | -3.68699900 | -0.95612500 | -0.93657500 | C | 0.06354900 | 3.45004200 | 0.99689600 |
| C | -4.30161000 | 0.35358700 | 1.44204800 | H | 0.81322600 | 1.58212600 | 1.76122300 |
| H | -2.16903000 | 0.59126500 | 1.67375300 | C | -0.72743100 | 4.06915800 | 0.03420900 |
| C | -5.01328100 | -0.81367600 | -0.54339000 | H | -1.98380400 | 3.76632700 | -1.68812900 |
| H | -3.43963700 | -1.45245400 | -1.87034700 | H | 0.55545900 | 4.04228100 | 1.76221900 |
| C | -5.32325200 | -0.15764000 | 0.645555000 | H | -0.85105700 | 5.14725200 | 0.03824200 |
| H | -4.53786200 | 0.85936800 | 2.37265000 | C | -1.42297600 | -1.05208000 | -0.09752400 |
| H | -5.80663000 | -1.21009300 | -1.16894400 | H | -1.29673900 | -2.02693300 | -0.56543200 |
| H | -6.35866600 | -0.04480700 | 0.95031900 | C | -2.65698400 | -0.67125400 | 0.30335100 |
| C | -0.67920900 | -1.74537100 | -1.01684600 | H | -2.79290300 | 0.31861100 | 0.73504700 |
| H | -1.19414500 | -2.67246800 | -1.22548300 | N | -3.81114600 | -1.42325200 | 0.26334700 |
| C | 0.76135900 | -1.52846700 | -1.29072900 | C | -3.75000800 | -2.71351400 | -0.38232500 |
| H | 1.11451000 | -1.74004000 | -2.31075100 | H | -2.98156700 | -3.32869300 | 0.09526000 |
| N | 1.74602600 | -2.16119600 | -0.29807200 | H | -4.71214400 | -3.21718400 | -0.27068300 |
| C | 3.03071300 | -2.51652200 | -0.93695400 | H | -3.51124100 | -2.63558600 | -1.45548900 |
| H | 3.41593100 | -1.65159600 | -1.47785800 | C | -5.06331500 | -0.70600100 | 0.11140500 |
| H | 3.74900400 | -2.77653900 | -0.15929200 | H | -5.03473000 | 0.20436700 | 0.71425400 |
| H | 2.88436500 | -3.35940000 | -1.61819200 | H | -5.26495800 | -0.42278600 | -0.93286000 |
| C | 1.22102200 | -3.27843900 | 0.51110800 | H | -5.88898000 | -1.32806900 | 0.46725300 |
| H | 0.29630100 | -2.96052000 | 0.98802900 | | | | |
| H | 1.04720800 | -4.15125900 | -0.12479400 | | | | |
| H | 1.96217700 | -3.51646400 | 1.27540800 | | | | |

INT-X

INT-W

| | | | | | | | |
|---|------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.36037600 | -2.80406500 | 0.25803600 | C | -3.05986900 | 1.11483600 | 1.95870600 |
| C | 3.52589600 | -2.14921700 | 0.08483000 | C | -3.92629600 | 0.02250900 | 1.29509300 |
| C | 3.45245100 | -0.71168800 | -0.10286000 | B | -1.78482700 | -0.70042500 | 1.49039300 |
| C | 2.26043400 | -0.05930500 | -0.10332700 | O | -1.81943500 | 0.48069900 | 2.21997000 |
| C | 1.00920000 | -0.76591100 | 0.06557400 | O | -3.00052000 | -0.97006300 | 0.88221700 |
| N | 1.15607900 | -2.15494600 | 0.24407700 | C | -0.46208800 | -4.61856800 | 0.27636000 |
| H | 2.30877600 | -3.87515300 | 0.41542100 | C | -0.92023700 | -3.95612000 | -1.03181700 |
| H | 4.47401900 | -2.66647100 | 0.08327600 | B | -0.17508300 | -2.35156700 | 0.45807000 |
| H | 2.22272000 | 1.01013400 | -0.26926600 | O | 0.30077300 | -3.62162100 | 0.91887200 |
| | | | | O | -0.94699400 | -2.57399800 | -0.73021500 |
| | | | | C | 2.24076400 | -2.30469300 | -0.74611000 |
| | | | | C | 3.51395600 | -1.90447000 | -0.79137300 |

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|---|-------------|-------------|-------------|
| C | 3.89734600 | -0.66888300 | -0.10424700 |
| C | 2.92768600 | 0.23935900 | 0.21860400 |
| C | 1.55060600 | -0.12022100 | 0.00859600 |
| N | 1.34056600 | -1.57260700 | 0.13671900 |
| H | 1.82091700 | -3.16107100 | -1.25571400 |
| H | 4.25327300 | -2.43696700 | -1.37812500 |
| H | 3.18869800 | 1.24790800 | 0.52183600 |
| H | 1.69590300 | -1.76442600 | 1.08479300 |
| C | 0.57368200 | 0.77223500 | -0.34173600 |
| C | 5.28485800 | -0.34653300 | 0.04428800 |
| N | 6.41137400 | -0.09980700 | 0.15689100 |
| H | -2.89669400 | 1.96630100 | 1.28369700 |
| H | -4.47830000 | 0.39784000 | 0.42681300 |
| H | -4.63941600 | -0.41767000 | 2.00153400 |
| H | -3.49192600 | 1.49006800 | 2.89036200 |
| H | -0.21237200 | -4.15456300 | -1.85055900 |
| H | -1.91221700 | -4.28859500 | -1.35370100 |
| H | 0.14639100 | -5.51335500 | 0.10872700 |
| H | -1.32638300 | -4.89801800 | 0.89446000 |
| O | -0.69380500 | -1.47167700 | 1.45067600 |
| C | 0.84368900 | 2.22414700 | -0.09947000 |
| C | 1.45215000 | 3.02399400 | -1.06788300 |
| C | 0.43834000 | 2.78653600 | 1.11481200 |
| C | 1.66834500 | 4.37690000 | -0.81919800 |
| H | 1.75938600 | 2.57955300 | -2.01039100 |
| C | 0.65088900 | 4.14191900 | 1.35485400 |
| H | -0.04497800 | 2.15119100 | 1.85406800 |
| C | 1.26752500 | 4.93676700 | 0.39144300 |
| H | 2.15224900 | 4.99272600 | -1.57049200 |
| H | 0.33764500 | 4.57585300 | 2.29922500 |
| H | 1.43782400 | 5.99112100 | 0.58418600 |
| C | -0.67190400 | 0.40575800 | -0.93901800 |
| H | -0.80311100 | -0.62168900 | -1.25166700 |
| C | -1.67944400 | 1.30894000 | -1.13287900 |
| H | -1.53706000 | 2.35033900 | -0.84952200 |
| N | -2.89723400 | 1.02685600 | -1.63930200 |
| C | -3.19521900 | -0.30486800 | -2.14310500 |
| H | -2.83178000 | -1.06006200 | -1.44230400 |
| H | -4.27876200 | -0.40479400 | -2.24064400 |
| H | -2.73484900 | -0.46447300 | -3.12722400 |
| C | -3.79543200 | 2.09460500 | -2.02868700 |
| H | -3.50256400 | 3.02122300 | -1.53115100 |
| H | -3.78123900 | 2.26067400 | -3.11364000 |
| H | -4.82026100 | 1.84812400 | -1.73260600 |

INT-Y

TS1

| | | | | | | | |
|---|-------------|-------------|-------------|------------|-------------|-------------|-------------|
| C | 0.50459800 | 4.25395700 | 0.19929900 | H | 3.67484600 | -3.15662000 | 1.66972400 |
| C | 1.72452100 | 3.71304700 | -0.56733300 | H | 3.14106700 | -3.76744000 | 0.08616800 |
| B | 0.14102900 | 2.15152700 | -0.53418500 | H | 3.14907500 | -0.00061700 | -0.20202300 |
| O | -0.36030100 | 3.12980200 | 0.32518500 | | | | |
| O | 1.20551500 | 2.61933900 | -1.30722000 | | | | |
| C | -0.28799000 | 0.10294400 | -1.85779600 | TS2 | | | |
| C | -1.04245700 | -0.98376700 | -2.16585700 | C | -1.88035200 | 3.80749900 | -0.30399900 |
| C | -2.40416200 | -1.05872700 | -1.74667600 | C | -2.29633500 | 2.93447100 | 0.89752900 |
| C | -2.93335400 | 0.07832000 | -1.05748300 | B | -1.33690700 | 1.64879700 | -0.66054100 |
| C | -2.13418500 | 1.13526600 | -0.76631100 | O | -1.14412200 | 2.93175500 | -1.14619900 |
| N | -0.79565600 | 1.16776500 | -1.12687900 | O | -2.24716400 | 1.60540300 | 0.39723700 |
| H | 0.75121100 | 0.20273800 | -2.14862200 | C | 0.36128200 | 0.59794900 | 1.63066300 |
| H | -0.60068600 | -1.79717000 | -2.73002500 | C | 1.48366900 | -0.02694600 | 2.15338500 |
| H | -3.97006900 | 0.09097800 | -0.74298100 | C | 2.72809400 | 0.30115700 | 1.60591700 |
| H | -2.47764300 | 2.00383400 | -0.21836900 | C | 2.80912200 | 1.25334500 | 0.59322400 |
| C | -1.14290300 | 0.60275200 | 2.17517600 | C | 1.62120600 | 1.82419300 | 0.14507200 |
| C | -0.48214000 | -0.42653600 | 1.49441400 | N | 0.43306000 | 1.49864700 | 0.64684600 |
| C | -1.12119900 | -1.65222000 | 1.29110500 | H | -0.64356100 | 0.35715900 | 1.96988900 |
| C | -2.41847800 | -1.84531100 | 1.75402200 | H | 1.39902900 | -0.76931000 | 2.93776800 |
| C | -3.06574700 | -0.82532300 | 2.44771500 | H | 3.75915700 | 1.50553300 | 0.13837900 |
| C | -2.42578000 | 0.39506500 | 2.66376400 | H | 1.60793300 | 2.54558000 | -0.66814000 |
| H | -0.64639200 | 1.56182300 | 2.28622600 | C | 1.49717900 | -0.14114000 | -2.24198100 |
| H | -0.62627600 | -2.43221100 | 0.71972100 | C | 0.78150700 | -0.93320800 | -1.31687300 |
| H | -2.92826500 | -2.78244500 | 1.55587200 | C | 1.48835100 | -1.95119500 | -0.64027600 |
| H | -2.93578600 | 1.18954300 | 3.19895600 | C | 2.84341000 | -2.14870500 | -0.86334500 |
| C | 0.87747000 | -0.15901300 | 0.95943300 | C | 3.53840600 | -1.35014100 | -1.77311900 |
| O | 1.18107900 | 1.00482100 | 0.59894100 | C | 2.84895600 | -0.35601900 | -2.46863400 |
| H | -4.07637300 | -0.97889700 | 2.81322800 | H | 0.96532000 | 0.64094400 | -2.77341400 |
| C | 1.82650400 | -1.23160400 | 0.87736600 | H | 0.98107500 | -2.55565300 | 0.10579200 |
| C | 3.00941800 | -0.99029500 | 0.22990700 | H | 3.36949800 | -2.92057800 | -0.30937900 |
| C | -3.17387400 | -2.22484700 | -1.94907500 | H | 3.37352300 | 0.26184100 | -3.19193000 |
| N | -3.80319800 | -3.19457400 | -2.09811800 | H | -0.61207600 | -0.65345000 | -1.04966900 |
| H | -0.00886800 | 5.04270400 | -0.36345300 | C | -1.05117100 | 0.57494600 | -1.48027300 |
| H | 0.76561600 | 4.64030200 | 1.18866300 | O | 4.59852900 | -1.50780900 | -1.94132600 |
| H | 2.49519600 | 3.35611900 | 0.12873000 | H | -2.84130900 | -1.29219100 | -0.24644500 |
| H | 2.16553900 | 4.44599200 | -1.24781500 | C | 3.91690900 | -0.37487000 | 2.06057800 |
| H | 1.58129600 | -2.19273800 | 1.30914800 | N | 4.86637300 | -0.92566100 | 2.42505000 |
| N | 4.02039400 | -1.84993400 | 0.06850200 | H | -1.25950900 | 4.65747400 | -0.00695500 |
| C | 5.16991100 | -1.52979400 | -0.75818000 | H | -2.75208000 | 4.18547100 | -0.85125000 |
| H | 5.11879700 | -0.48278200 | -1.05812600 | H | -3.30172900 | 3.15568400 | 1.26436800 |
| H | 6.09712400 | -1.69177300 | -0.20017300 | H | -1.58209700 | 3.03697400 | 1.72477400 |
| H | 5.18924400 | -2.15232300 | -1.65933900 | H | -1.11850900 | -2.54671900 | -0.23902300 |
| C | 3.91962800 | -3.19530500 | 0.60414800 | | | | |
| H | 4.87639300 | -3.70281000 | 0.47981200 | | | | |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| N | -3.77183600 | -2.18770700 | 0.21033100 | H | 3.09045300 | -2.01593600 | -2.44879200 |
| C | -4.95658400 | -1.66572000 | 0.86178000 | O | 1.17749000 | -0.19975700 | -0.52376400 |
| H | -5.77970400 | -2.37801100 | 0.75853600 | C | 0.43579000 | 2.29225000 | -0.35657900 |
| H | -4.79360100 | -1.47137100 | 1.93215800 | C | -0.04916500 | 3.12580400 | -1.36920900 |
| H | -5.24638900 | -0.72796800 | 0.38375600 | C | 1.50349100 | 2.74433000 | 0.43118100 |
| C | -3.33992900 | -3.50211500 | 0.62631900 | C | 0.51567100 | 4.38047400 | -1.58586100 |
| H | -4.21605200 | -4.11107500 | 0.85701100 | H | -0.88156100 | 2.81709100 | -1.99176600 |
| H | -2.78775400 | -3.98571700 | -0.18411000 | C | 2.07707800 | 3.98729600 | 0.20033000 |
| H | -2.69118700 | -3.46642200 | 1.51560700 | H | 1.89222200 | 2.10302100 | 1.21609400 |
| H | -3.23146600 | -0.30374800 | -0.46073800 | C | 1.58295100 | 4.81280900 | -0.80822800 |
| | | | | H | 0.11890900 | 5.01586200 | -2.37059600 |
| | | | | H | 2.91273600 | 4.31473400 | 0.81041000 |
| | | | | H | 2.02846400 | 5.78623600 | -0.98502300 |
| | | | | C | -0.54331500 | 0.74230200 | 1.29566500 |
| C | 3.53778500 | -0.49051000 | 2.14772300 | H | -0.04090200 | 1.34804500 | 2.03851400 |
| C | 4.08192700 | -1.46833600 | 1.09301000 | C | -1.40852700 | -0.24999100 | 1.69192200 |
| B | 2.20160800 | -0.49735700 | 0.32566900 | H | -1.94570000 | -0.84796000 | 0.96384700 |
| O | 2.24062800 | -0.14461700 | 1.66439200 | N | -1.68441200 | -0.57174800 | 2.95766600 |
| O | 3.34139600 | -1.15388500 | -0.07952900 | C | -1.00242300 | 0.08781100 | 4.05594200 |
| C | 2.11738400 | -2.49433700 | -2.61547800 | H | -1.34396900 | 1.12286900 | 4.17252200 |
| C | 1.76147100 | -3.42352600 | -1.43625000 | H | -1.20502500 | -0.45728800 | 4.97835700 |
| B | 0.56607400 | -1.45638500 | -1.30952200 | H | 0.07530800 | 0.08865100 | 3.86894800 |
| O | 1.08502100 | -1.53137200 | -2.62976200 | C | -2.73494800 | -1.52397500 | 3.27465300 |
| O | 0.90849100 | -2.65635800 | -0.60399500 | H | -3.12445000 | -1.94628900 | 2.34703300 |
| C | -1.91487200 | -1.94723000 | -1.15494100 | H | -2.33981900 | -2.33226000 | 3.89732800 |
| C | -3.22631000 | -1.59998600 | -1.02326000 | H | -3.55480800 | -1.03349100 | 3.80981200 |
| C | -3.51469400 | -0.17919200 | -0.98121500 | | | | |
| C | -2.54786700 | 0.76176400 | -1.03972500 | | | | |
| C | -1.09631600 | 0.37925800 | -1.19556000 | | | | |
| N | -0.90348100 | -1.06355300 | -1.21507500 | | | | |
| H | -1.59146100 | -2.98436700 | -1.18015600 | C | 3.14240400 | 1.65266400 | 1.87011200 |
| H | -4.01737800 | -2.33358400 | -0.99349000 | C | 4.15698800 | 0.62068800 | 1.34787800 |
| H | -2.79551800 | 1.81572900 | -0.97241200 | B | 2.16858300 | 0.29917500 | 0.33954600 |
| H | -0.68527800 | 0.78662400 | -2.13215800 | O | 1.89090700 | 1.20289900 | 1.35605700 |
| C | -0.20816900 | 0.97027800 | -0.06994100 | O | 3.52018000 | 0.05973600 | 0.20866000 |
| C | -4.88419400 | 0.24544400 | -0.81974100 | C | 3.15032700 | -2.66707600 | -1.33615100 |
| N | -5.98579800 | 0.57039700 | -0.67652400 | C | 3.10362800 | -2.99390300 | 0.16986000 |
| H | 3.45312400 | -0.93497300 | 3.14188700 | B | 1.21112000 | -1.85699900 | -0.48123000 |
| H | 3.88749700 | -2.51049800 | 1.37096700 | O | 1.81473400 | -2.35275700 | -1.66841200 |
| H | 5.14993000 | -1.34222400 | 0.90322500 | O | 1.95027200 | -2.32724200 | 0.65539900 |
| H | 4.14879000 | 0.41710700 | 2.21474600 | C | -0.88958800 | -2.83043500 | 0.55173300 |
| H | 1.22950700 | -4.32258400 | -1.77551700 | C | -2.23351200 | -2.86967100 | 0.76743600 |
| H | 2.65215600 | -3.73551300 | -0.87911800 | C | -3.04572200 | -2.07698000 | -0.12891600 |
| H | 2.14349600 | -3.02447800 | -3.57323400 | C | -2.51137000 | -1.24648700 | -1.05186500 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -1.01832500 | -1.04262100 | -1.12551800 | C | 4.74998400 | 0.90520300 | -0.87074600 |
| N | -0.29645500 | -2.06218200 | -0.38438400 | C | 4.95723100 | -0.55880800 | -0.42967100 |
| H | -0.19155500 | -3.43679800 | 1.12206600 | B | 2.74437200 | -0.05967700 | -0.43368100 |
| H | -2.68036400 | -3.53131600 | 1.49364700 | O | 3.37923700 | 1.16395200 | -0.61238600 |
| H | -3.15187200 | -0.69412200 | -1.73015600 | O | 3.64996800 | -1.10988300 | -0.39771000 |
| H | -0.66321600 | -1.05905000 | -2.16505900 | C | 1.62763500 | -3.42176500 | -1.18814800 |
| C | -0.62010600 | 0.34079700 | -0.54461700 | C | 1.62810000 | -3.34805500 | 0.35034900 |
| C | -4.48232300 | -2.19467500 | -0.05673200 | B | 0.67374200 | -1.40291700 | -0.49356500 |
| N | -5.63379300 | -2.28289200 | 0.02199700 | O | 1.16516000 | -2.16898600 | -1.61844400 |
| H | 3.09839700 | 1.69674600 | 2.96098700 | O | 0.69514200 | -2.32921400 | 0.65318500 |
| H | 4.34006100 | -0.17069400 | 2.08413200 | C | -1.69922700 | -1.88292400 | -1.10641600 |
| H | 5.11140100 | 1.06738100 | 1.05962900 | C | -3.00404200 | -1.65605700 | -1.41119500 |
| H | 3.34984500 | 2.65777700 | 1.48354500 | C | -3.42736000 | -0.26654400 | -1.45079600 |
| H | 3.00277300 | -4.07336100 | 0.34489700 | C | -2.56501000 | 0.74533800 | -1.22442500 |
| H | 3.99585400 | -2.63453000 | 0.69541700 | C | -1.12010800 | 0.49480800 | -0.84871100 |
| H | 3.49352500 | -3.51466900 | -1.93865900 | N | -0.81681100 | -0.93399800 | -0.71163000 |
| H | 3.81010700 | -1.80933900 | -1.52329700 | H | -1.28755700 | -2.88922400 | -1.09960300 |
| O | 1.22953100 | -0.25317400 | -0.47142300 | H | -3.67302200 | -2.45014000 | -1.70808900 |
| C | -0.50184900 | 1.48369200 | -1.48899500 | H | -2.88570000 | 1.77998900 | -1.29057500 |
| C | -1.22683200 | 1.48659700 | -2.68555700 | H | -0.45249100 | 0.95410100 | -1.59065600 |
| C | 0.33000400 | 2.57485000 | -1.20092400 | C | -0.89545300 | 1.24498400 | 0.46868800 |
| C | -1.14536800 | 2.56682900 | -3.55878600 | C | -4.80243000 | 0.03919600 | -1.76030700 |
| H | -1.86627300 | 0.64932100 | -2.94238800 | N | -5.91208300 | 0.26736300 | -1.99722000 |
| C | 0.42025800 | 3.64549000 | -2.08216900 | H | 5.37569400 | 1.60699700 | -0.31260300 |
| H | 0.91927700 | 2.56093300 | -0.28879200 | H | 5.40309700 | -0.62089700 | 0.57038600 |
| C | -0.32170900 | 3.64750100 | -3.26121800 | H | 5.58383300 | -1.12401100 | -1.12462800 |
| H | -1.72183700 | 2.55663400 | -4.47771900 | H | 4.94923500 | 1.03604200 | -1.94084400 |
| H | 1.07853800 | 4.47702600 | -1.85187400 | H | 1.31840300 | -4.29260000 | 0.81726000 |
| H | -0.25062300 | 4.48366800 | -3.94911200 | H | 2.62496800 | -3.08237400 | 0.72246400 |
| C | -0.99883700 | 0.54499200 | 0.80428800 | H | 0.95719000 | -4.22061900 | -1.54516900 |
| H | -1.11812900 | -0.35130200 | 1.40417300 | H | 2.63167100 | -3.62040700 | -1.58115300 |
| C | -1.24513000 | 1.77683000 | 1.35605200 | O | 1.41827800 | -0.15245400 | -0.29674600 |
| H | -1.24460600 | 2.66804800 | 0.73417700 | C | -0.41661300 | 2.63871000 | 0.41783000 |
| N | -1.52639000 | 1.98840600 | 2.64421800 | C | -1.05515800 | 3.62699100 | 1.17775300 |
| C | -1.49103100 | 0.88172800 | 3.58671900 | C | 0.68658500 | 2.98230800 | -0.37444700 |
| H | -0.53281700 | 0.36131400 | 3.50166300 | C | -0.60219300 | 4.94080200 | 1.14481200 |
| H | -1.59947300 | 1.27455200 | 4.59787400 | H | -1.92362700 | 3.35962000 | 1.77309800 |
| H | -2.29904400 | 0.16742700 | 3.39123300 | C | 1.14621200 | 4.29411100 | -0.38744800 |
| C | -1.98941400 | 3.27640400 | 3.12476600 | H | 1.21481200 | 2.21296500 | -0.92700000 |
| H | -1.89702700 | 4.01608200 | 2.32864700 | C | 0.50156500 | 5.27491900 | 0.36318700 |
| H | -3.03863600 | 3.22528400 | 3.43564400 | H | -1.11193600 | 5.70326500 | 1.72463600 |
| H | -1.38630400 | 3.59979500 | 3.97829100 | H | 2.01791000 | 4.54573800 | -0.98226000 |
| | | | | H | 0.85912000 | 6.29942800 | 0.34050300 |
| | | | | C | -1.16923300 | 0.64094400 | 1.64318700 |

TS5

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -0.89241000 | 1.11832000 | 2.57723900 | H | -2.21594600 | 2.83503400 | -0.50569300 |
| C | -1.70697600 | -0.70056400 | 1.65371200 | H | -1.16962100 | 1.36953800 | -2.79309900 |
| H | -2.51823900 | -0.96561400 | 0.97904600 | H | -2.84347600 | 1.34693600 | -2.19127000 |
| N | -1.36443500 | -1.62573400 | 2.49827400 | O | -2.52615900 | -0.64872200 | 0.75724200 |
| C | -0.21914200 | -1.48270700 | 3.39641800 | C | 2.32516200 | 1.88692600 | -0.00597300 |
| H | 0.67575800 | -1.70561200 | 2.80739000 | C | 3.60206300 | 2.15696500 | -0.50983800 |
| H | -0.17239400 | -0.47197700 | 3.79713500 | C | 1.71427100 | 2.80656100 | 0.85765300 |
| H | -0.33435100 | -2.19091600 | 4.21718600 | C | 4.26673900 | 3.32489800 | -0.15109500 |
| C | -1.84746700 | -2.99180400 | 2.31629000 | H | 4.07738500 | 1.43412200 | -1.16723800 |
| H | -2.66982500 | -2.99125400 | 1.60005800 | C | 2.37865600 | 3.97944700 | 1.20013800 |
| H | -1.01589100 | -3.57373400 | 1.90905500 | H | 0.70658700 | 2.60734900 | 1.21362800 |
| H | -2.17519000 | -3.39936200 | 3.27468400 | C | 3.65468100 | 4.23795500 | 0.70389500 |
| | | | | H | 5.26289100 | 3.51929700 | -0.53483700 |
| | | | | H | 1.89592100 | 4.69594500 | 1.85653700 |
| | | | | H | 4.17174200 | 5.15024600 | 0.98312900 |
| | | | | C | 1.48078600 | 0.37074400 | -1.70672500 |
| C | -5.97854900 | 0.09287600 | 1.04045300 | H | 1.76906500 | 1.14305700 | -2.41728800 |
| C | -5.43096500 | 1.36511900 | 0.36234600 | C | 0.71926700 | -0.71652700 | -2.30186300 |
| B | -3.74541900 | -0.10973000 | 0.72438400 | H | -0.13242800 | -0.45035200 | -2.91699300 |
| O | -4.82337300 | -0.63380500 | 1.41985300 | N | 0.98281300 | -1.98004700 | -2.23868200 |
| O | -4.10240600 | 1.02541800 | -0.00128600 | C | 2.20913500 | -2.55040000 | -1.68032700 |
| C | -1.79833900 | 1.19703800 | -1.89989800 | H | 2.72120500 | -3.07766300 | -2.49013100 |
| C | -1.39663400 | 2.14802100 | -0.74498000 | H | 2.83714400 | -1.75724700 | -1.28385700 |
| B | -1.39307900 | -0.06851300 | 0.04790000 | H | 1.94499700 | -3.24754900 | -0.88558100 |
| O | -1.60330500 | -0.10884300 | -1.41801800 | C | 0.01193300 | -2.95484400 | -2.73908500 |
| O | -1.11025300 | 1.32432800 | 0.35616500 | H | -0.90569600 | -2.43675900 | -3.01412800 |
| C | -0.27995400 | -2.22951900 | 0.77903000 | H | 0.43401800 | -3.49984100 | -3.58676500 |
| C | 0.70294700 | -3.03114900 | 1.28099000 | H | -0.20350700 | -3.64933500 | -1.92397400 |
| C | 1.98370300 | -2.40002300 | 1.52700400 | | | | |
| C | 2.19290300 | -1.09044700 | 1.28048900 | | | | |
| C | 1.08014600 | -0.19566700 | 0.77706200 | | | | |
| N | -0.14057900 | -0.92711900 | 0.45489700 | | | | |
| H | -1.28391300 | -2.61147500 | 0.61554700 | C | 4.84681900 | 0.43988900 | 1.28627200 |
| H | 0.52387000 | -4.06207300 | 1.54736200 | C | 4.82783300 | 1.28661200 | 0.00072300 |
| H | 3.15493500 | -0.62711100 | 1.47670400 | B | 2.81784000 | 0.30357800 | 0.29400800 |
| H | 0.85265600 | 0.54780800 | 1.55514600 | O | 3.63229200 | -0.30525100 | 1.23154400 |
| C | 1.61282400 | 0.64371900 | -0.39098500 | O | 3.45369900 | 1.33086500 | -0.36623500 |
| C | 3.08658900 | -3.20515900 | 1.99289500 | C | 1.30442700 | 2.27610000 | -2.30939900 |
| N | 3.96961900 | -3.87009100 | 2.33696700 | C | 2.11244700 | 1.20704100 | -3.07343800 |
| H | -6.58968000 | 0.31376000 | 1.91992200 | B | 0.79870700 | 0.20962400 | -1.49317700 |
| H | -5.41282800 | 2.21602600 | 1.05409000 | O | 0.33573200 | 1.54024200 | -1.57808600 |
| H | -6.00228000 | 1.65160100 | -0.52521500 | O | 1.88285100 | -0.00479800 | -2.37504300 |
| H | -6.57732900 | -0.50834600 | 0.34495700 | C | 0.01517500 | -2.11981000 | -1.74680200 |
| H | -0.50640500 | 2.74283100 | -1.00340300 | C | -0.80272300 | -3.16891100 | -1.50802400 |

| C | -2.10352200 | -2.86761700 | -0.92443200 | |
|---|-------------|-------------|-------------|------------|
| C | -2.49165300 | -1.60548900 | -0.66604000 | |
| C | -1.59381000 | -0.41776700 | -0.93370600 | TS6 |
| N | -0.28801700 | -0.82054700 | -1.45952000 | |
| H | 1.00429900 | -2.24879600 | -2.17722600 | |
| H | -0.52956200 | -4.18113500 | -1.76592500 | |
| H | -3.46151200 | -1.39591400 | -0.22613600 | |
| H | -2.08131200 | 0.24786400 | -1.66290600 | |
| C | -1.51418700 | 0.39155500 | 0.36921600 | |
| C | -2.99604200 | -3.95438600 | -0.60663100 | |
| N | -3.69803600 | -4.83859500 | -0.35123600 | |
| H | 5.69646000 | -0.24430600 | 1.33587100 | |
| H | 5.39951300 | 0.81414000 | -0.80537800 | |
| H | 5.20258100 | 2.30096900 | 0.15369900 | |
| H | 4.84220900 | 1.06486400 | 2.18692000 | |
| H | 1.76542800 | 1.10385700 | -4.10943100 | |
| H | 3.18313400 | 1.43433900 | -3.07997300 | |
| H | 0.79963800 | 2.97830400 | -2.98028500 | |
| H | 1.94656100 | 2.83700700 | -1.62222900 | |
| O | 1.52495400 | -0.04917400 | 0.07265200 | |
| C | -2.58174400 | 1.40437000 | 0.55575100 | |
| C | -3.41310300 | 1.37613200 | 1.67887700 | |
| C | -2.75459600 | 2.41111800 | -0.40252700 | |
| C | -4.40599800 | 2.33832700 | 1.84302900 | |
| H | -3.28529400 | 0.58432400 | 2.41163900 | |
| C | -3.74134800 | 3.37482900 | -0.23025900 | |
| H | -2.07860400 | 2.44655000 | -1.25246900 | |
| C | -4.57176800 | 3.33794600 | 0.88883400 | |
| H | -5.05339500 | 2.30263900 | 2.71330900 | |
| H | -3.86125800 | 4.16054600 | -0.96926700 | |
| H | -5.34662800 | 4.08707900 | 1.01577500 | |
| C | -0.59351000 | 0.20730800 | 1.32278700 | |
| H | -0.62798900 | 0.83784400 | 2.20567300 | |
| C | 0.49924700 | -0.79397300 | 1.23559400 | |
| H | 0.25862800 | -1.67230700 | 0.64573500 | |
| N | 1.14588000 | -1.13215200 | 2.37574700 | |
| C | 1.53378600 | -0.15590800 | 3.37986400 | |
| H | 1.27636800 | 0.85344200 | 3.05748000 | |
| H | 1.04110500 | -0.36260800 | 4.33595800 | |
| H | 2.61845000 | -0.19458100 | 3.51913000 | |
| C | 1.83318400 | -2.40980400 | 2.46612400 | |
| H | 1.42114900 | -3.09686600 | 1.72475200 | |
| H | 2.90686500 | -2.28911600 | 2.29130800 | |
| H | 1.67192500 | -2.83554600 | 3.46135300 | |
| C | 3.78083500 | 2.71262000 | -0.09378200 | |
| C | 4.64199000 | 1.43426200 | -0.10495700 | |
| B | 2.50240200 | 0.92051400 | -0.56686000 | |
| O | 2.44245300 | 2.23231700 | -0.14886800 | |
| O | 3.79092800 | 0.44179700 | -0.66788200 | |
| C | 0.92349800 | -2.95289000 | -2.34920100 | |
| C | 2.07446700 | -3.21486100 | -1.34964400 | |
| B | 1.19397400 | -1.14644400 | -0.98762400 | |
| O | 0.59216200 | -1.58729100 | -2.16747500 | |
| O | 2.03648200 | -2.12078400 | -0.44407200 | |
| C | -0.91099500 | -2.58490600 | 0.19177600 | |
| C | -2.17402100 | -2.91736900 | -0.08813000 | |
| C | -3.17758400 | -1.85640900 | -0.24030100 | |
| C | -2.79769700 | -0.57175100 | -0.31578300 | |
| C | -1.33766700 | -0.20233100 | -0.29307600 | |
| N | -0.45945800 | -1.24218600 | 0.31084500 | |
| H | -0.14329300 | -3.33116200 | 0.37716500 | |
| H | -2.47390600 | -3.95425000 | -0.17711800 | |
| H | -3.52369100 | 0.23092500 | -0.41001400 | |
| H | -1.00892100 | -0.00269600 | -1.32236600 | |
| C | -1.11962400 | 0.99738700 | 0.60994200 | |
| C | -4.56985300 | -2.21723000 | -0.27900400 | |
| N | -5.68438200 | -2.52796700 | -0.30723700 | |
| H | 3.92293300 | 3.31374500 | 0.80755500 | |
| H | 4.92333900 | 1.12828300 | 0.91021000 | |
| H | 5.54883000 | 1.53224400 | -0.70626800 | |
| H | 3.97509100 | 3.34139500 | -0.97012400 | |
| H | 1.94806200 | -4.15615700 | -0.80267700 | |
| H | 3.05020200 | -3.23489700 | -1.84785600 | |
| H | 0.04937400 | -3.58076100 | -2.14093900 | |
| H | 1.22864800 | -3.11902800 | -3.38641000 | |
| O | 1.38523500 | 0.22245400 | -0.84059200 | |
| C | -1.53851200 | 2.34664200 | 0.19390600 | |
| C | -2.29330100 | 3.16365200 | 1.04085000 | |
| C | -1.16405800 | 2.82458000 | -1.06716000 | |
| C | -2.66784000 | 4.44027400 | 0.63360000 | |
| H | -2.59536300 | 2.78385200 | 2.01258800 | |
| C | -1.53650400 | 4.10193000 | -1.46904300 | |
| H | -0.54752500 | 2.20209500 | -1.70951100 | |
| C | -2.29206500 | 4.91018000 | -0.62193400 | |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -3.25998100 | 5.06556300 | 1.29409700 | H | 5.88523800 | 0.90480800 | 0.54709400 |
| H | -1.23191800 | 4.46980000 | -2.44346000 | H | 5.90098000 | 1.45208400 | -1.14431000 |
| H | -2.58782400 | 5.90461300 | -0.94031000 | H | 4.54254900 | 3.36450900 | -0.64264900 |
| C | -0.56215100 | 0.62261800 | 1.75657100 | H | 2.38044100 | -4.00588200 | -0.40087000 |
| H | -0.31123800 | 1.27396300 | 2.58573400 | H | 3.75130000 | -2.96812400 | -0.85839500 |
| C | -0.25914500 | -0.85015000 | 1.80160900 | H | 1.02460900 | -3.17123600 | -2.19541400 |
| H | -1.04586100 | -1.39360900 | 2.34922300 | H | 2.56855200 | -2.65321800 | -2.91079800 |
| N | 0.96589100 | -1.17398200 | 2.43636300 | O | 1.86292100 | 0.34878500 | 0.00159700 |
| C | 2.16972000 | -0.40865900 | 2.15781500 | C | -1.63312800 | 2.38935600 | 0.12971100 |
| H | 2.76555700 | -0.83776600 | 1.34198400 | C | -2.16610300 | 3.23723300 | 1.10978600 |
| H | 1.90965400 | 0.62423800 | 1.91078500 | C | -1.63636600 | 2.82004500 | -1.20254500 |
| H | 2.78915500 | -0.39368300 | 3.06260200 | C | -2.66610200 | 4.48698100 | 0.77044700 |
| C | 1.22847200 | -2.57739800 | 2.68069500 | H | -2.20109000 | 2.90115000 | 2.14161100 |
| H | 0.29923000 | -3.08216600 | 2.96422000 | C | -2.14160600 | 4.07134400 | -1.54238400 |
| H | 1.66230100 | -3.08161100 | 1.80378800 | H | -1.22640800 | 2.18203300 | -1.97972200 |
| H | 1.93502200 | -2.67344900 | 3.51234300 | C | -2.65544600 | 4.90933300 | -0.55805500 |
| | | | | H | -3.07570600 | 5.13027200 | 1.54244200 |
| | | | | H | -2.13097500 | 4.39080200 | -2.57929000 |
| | | | | H | -3.05178800 | 5.88384700 | -0.82341900 |
| | | | | C | -0.62907600 | 0.67401400 | 1.67949300 |

TS6-iso

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|------------|
| C | 4.57224600 | 2.63170500 | 0.17119100 | H | -0.54325200 | 1.28481500 | 2.57021800 |
| C | 5.27322800 | 1.32399300 | -0.25917800 | C | -0.18625300 | -0.76165200 | 1.70608100 |
| B | 3.05770900 | 0.97737600 | -0.01928100 | H | 0.87042700 | -0.84943800 | 1.98136200 |
| O | 3.24376700 | 2.23865500 | 0.49312000 | N | -0.93102500 | -1.54767400 | 2.64034300 |
| O | 4.20674600 | 0.42804100 | -0.54911400 | C | -2.37632600 | -1.57681700 | 2.50552900 |
| C | 1.93028200 | -2.57761600 | -2.02644200 | H | -2.81758800 | -1.87066100 | 3.46323500 |
| C | 2.66338100 | -3.00155400 | -0.73354600 | H | -2.74831500 | -0.58272700 | 2.24918500 |
| B | 1.71475200 | -0.96163700 | -0.44969200 | H | -2.72162800 | -2.28664100 | 1.73860600 |
| O | 1.58045300 | -1.21890500 | -1.81001000 | C | -0.36755500 | -2.82207700 | 3.04249700 |
| O | 2.28213900 | -2.03793100 | 0.24008900 | H | 0.72375500 | -2.77295500 | 3.00083800 |
| C | -0.59965600 | -2.45997900 | -0.07528100 | H | -0.66634100 | -3.04735200 | 4.07220400 |
| C | -1.65729600 | -2.81582800 | -0.81445500 | H | -0.69979100 | -3.66103100 | 2.41046100 |
| C | -2.63552200 | -1.78993500 | -1.18963600 | | | | |
| C | -2.36575800 | -0.48785200 | -1.00546200 | | | | |
| C | -1.00852900 | -0.05954200 | -0.51350400 | | | | |
| N | -0.27592300 | -1.12125000 | 0.22300600 | | | | |

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|---|-------------|-------------|-------------|
| H | 0.10543900 | -3.18301000 | 0.32371600 |
| H | -1.83800600 | -3.85210100 | -1.06966800 |
| H | -3.10530500 | 0.28017400 | -1.21159300 |
| H | -0.38826900 | 0.23202100 | -1.37598500 |
| C | -1.09360500 | 1.06994600 | 0.49524900 |
| C | -3.91947500 | -2.20959100 | -1.68640700 |
| N | -4.94437000 | -2.56753800 | -2.08757900 |
| H | 5.04186600 | 3.09620700 | 1.04163100 |

TS7-2H₂O

| | | | |
|---|-------------|------------|-------------|
| C | 2.20841800 | 1.60819100 | -0.70105800 |
| C | 1.72598100 | 2.85063200 | -0.58712600 |
| C | 0.34076900 | 3.05326700 | -0.13996400 |
| C | -0.43974800 | 1.96683600 | 0.09571500 |
| C | 0.08257300 | 0.62440100 | 0.13768800 |
| N | 1.50656500 | 0.46664400 | -0.28058400 |
| H | 3.19605400 | 1.41597700 | -1.10936200 |
| H | 2.32989200 | 3.70049000 | -0.87703500 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -1.49854900 | 2.10061600 | 0.29909800 | N | 1.63430100 | 0.17309900 | -0.36205400 |
| H | 0.02695900 | 0.16766600 | 1.56977500 | H | 3.22826800 | 0.88923300 | -1.52440600 |
| C | -0.59213900 | -0.52028400 | -0.46352400 | H | 2.65119200 | 3.27669000 | -1.20403400 |
| C | -0.19778900 | 4.37269600 | -0.05400300 | H | -1.02698100 | 2.10239100 | 0.73313600 |
| N | -0.62277800 | 5.45064200 | 0.01137700 | H | 0.52098200 | -0.25196600 | 1.47918500 |
| C | -2.03982800 | -0.77289700 | -0.33485400 | C | -0.56844200 | -0.57094200 | -0.38444200 |
| C | -2.71605500 | -1.52379600 | -1.30469900 | C | 0.45114200 | 4.20685100 | 0.12855300 |
| C | -2.77193700 | -0.27738100 | 0.75272100 | N | 0.19026800 | 5.32609400 | 0.28441400 |
| C | -4.07560100 | -1.78221300 | -1.18473700 | C | -2.02973500 | -0.60489300 | -0.21148800 |
| H | -2.16809400 | -1.88373700 | -2.17001300 | C | -2.85974900 | -0.98607000 | -1.27118100 |
| C | -4.13406300 | -0.53563600 | 0.87207200 | C | -2.60980600 | -0.25531400 | 1.01356200 |
| H | -2.27394900 | 0.32189300 | 1.51030200 | C | -4.24015200 | -1.01537200 | -1.11011600 |
| C | -4.79044700 | -1.29206100 | -0.09380900 | H | -2.41183700 | -1.23660800 | -2.22825600 |
| H | -4.58238000 | -2.36013800 | -1.95105000 | C | -3.99110100 | -0.28708700 | 1.17242500 |
| H | -4.68243000 | -0.14141000 | 1.72174300 | H | -1.96758800 | 0.01580400 | 1.84699000 |
| H | -5.85317800 | -1.49099100 | -0.00260200 | C | -4.81019700 | -0.66543600 | 0.11172200 |
| C | 0.30113700 | -1.33945800 | -1.07032400 | H | -4.87304300 | -1.30479900 | -1.94301100 |
| H | 0.06505400 | -2.27025100 | -1.56773500 | H | -4.42862700 | -0.01880400 | 2.12881000 |
| C | 1.68550000 | -0.77577500 | -0.98160500 | H | -5.88798300 | -0.68591500 | 0.23627300 |
| H | 2.20038100 | -0.64927100 | -1.95686000 | C | 0.18190100 | -1.49468900 | -1.03218900 |
| N | 2.63141800 | -1.69300200 | -0.19384300 | H | -0.18770300 | -2.37996200 | -1.53169200 |
| C | 2.72911900 | -3.01432100 | -0.82617600 | C | 1.63392200 | -1.16417400 | -0.86576200 |
| H | 3.04238500 | -2.92454500 | -1.87460700 | H | 2.27869500 | -1.29508300 | -1.74962000 |
| H | 3.46196700 | -3.61899900 | -0.28806000 | N | 2.27279400 | -2.05710800 | 0.23572500 |
| H | 1.76066800 | -3.51194800 | -0.77517200 | C | 2.05037100 | -3.48969800 | 0.00307100 |
| C | 3.95806900 | -1.07617700 | -0.06201800 | H | 2.45931400 | -3.78918700 | -0.96953500 |
| H | 4.40475900 | -0.88786600 | -1.04739800 | H | 2.54445700 | -4.06297500 | 0.78966100 |
| H | 3.85792700 | -0.13492500 | 0.48021300 | H | 0.98039600 | -3.69333500 | 0.03051400 |
| H | 4.61490600 | -1.74594700 | 0.49887600 | C | 3.70032000 | -1.74418300 | 0.38230300 |
| O | 1.77805900 | -2.02080300 | 2.12010500 | H | 4.25008900 | -2.02301100 | -0.52446900 |
| H | 2.18173000 | -1.84539900 | 1.02293900 | H | 3.80479000 | -0.67277200 | 0.55978500 |
| H | 2.49098900 | -1.94862700 | 2.76437600 | H | 4.11064600 | -2.29438300 | 1.23200200 |
| O | 0.09473100 | -0.38006100 | 2.57834400 | O | 0.99887900 | -1.10483100 | 2.16861200 |
| H | -0.75132900 | -0.83135600 | 2.69498000 | H | 1.69470000 | -1.67020800 | 1.24554000 |
| H | 0.94371300 | -1.22045000 | 2.38555200 | H | 1.55568200 | -0.66193500 | 2.82048400 |

TS7-H₂O

TS7

| | | | | | | | |
|---|-------------|------------|-------------|---|-------------|------------|-------------|
| C | 2.35948200 | 1.20367900 | -0.95166000 | C | 1.99864700 | 1.44882500 | -1.24603000 |
| C | 2.03755900 | 2.49285800 | -0.78175800 | C | 1.64829500 | 2.72406800 | -1.03807500 |
| C | 0.79407600 | 2.83174900 | -0.07071300 | C | 0.38983300 | 3.02975500 | -0.34631300 |
| C | -0.05464400 | 1.84916400 | 0.31966000 | C | -0.45867500 | 2.00060800 | -0.05478400 |
| C | 0.29371700 | 0.44370400 | 0.23420500 | C | -0.06593600 | 0.63202000 | -0.15510200 |

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|---|-------------|-------------|-------------|
| N | 1.30007600 | 0.36296400 | -0.68555000 |
| H | 2.86436100 | 1.18225500 | -1.84435100 |
| H | 2.24649500 | 3.52763100 | -1.44792100 |
| H | -1.46454800 | 2.21577100 | 0.29339100 |
| H | -0.00575500 | 0.15359600 | 1.36630300 |
| C | -0.87328400 | -0.47383900 | -0.62758100 |
| C | 0.01077500 | 4.38204300 | -0.10458600 |
| N | -0.28512000 | 5.48817900 | 0.08927600 |
| C | -2.32619900 | -0.59318300 | -0.39829100 |
| C | -3.13053600 | -1.27054800 | -1.32313700 |
| C | -2.93634400 | -0.03776600 | 0.73456900 |
| C | -4.49917100 | -1.39691500 | -1.11761000 |
| H | -2.67393200 | -1.67820800 | -2.21955400 |
| C | -4.30647100 | -0.16308000 | 0.93938400 |
| H | -2.33063600 | 0.48829400 | 1.46784600 |
| C | -5.09310900 | -0.84510400 | 0.01531100 |
| H | -5.10623400 | -1.92050200 | -1.84921600 |
| H | -4.75930800 | 0.27421700 | 1.82341000 |
| H | -6.16224900 | -0.94075800 | 0.17333500 |
| C | -0.09389000 | -1.39184400 | -1.26025800 |
| H | -0.44717000 | -2.30837200 | -1.71315800 |
| C | 1.32673700 | -0.92532100 | -1.34620600 |
| H | 1.70429700 | -0.85511800 | -2.38825100 |
| N | 2.32641700 | -1.83335500 | -0.63675300 |
| C | 2.04632400 | -3.25606400 | -0.84721000 |
| H | 2.04857100 | -3.51554900 | -1.91605800 |
| H | 2.81292400 | -3.84890100 | -0.34316800 |
| H | 1.07251000 | -3.50314600 | -0.42384500 |
| C | 3.69100500 | -1.51988900 | -1.07684400 |
| H | 3.82123400 | -1.70883900 | -2.15205200 |
| H | 3.90824500 | -0.46921000 | -0.87343500 |
| H | 4.40483500 | -2.13446900 | -0.52176500 |
| O | 2.45273000 | -1.11564500 | 1.81170400 |
| H | 2.36424500 | -1.43960900 | 0.78592800 |
| O | 0.25754400 | -0.32782600 | 2.31757400 |
| H | 1.34757800 | -0.70693200 | 2.11228700 |
| C | -0.55951400 | -1.47225600 | 2.58078800 |
| H | -0.00153800 | -2.13953800 | 3.24177700 |
| H | -1.47920500 | -1.15927600 | 3.07705700 |
| H | -0.80660200 | -1.99449700 | 1.65152300 |
| C | 3.36166100 | -0.01740500 | 1.91245000 |
| H | 3.08757600 | 0.78311500 | 1.21668500 |
| H | 3.32517800 | 0.36133500 | 2.93539300 |
| H | 4.37643200 | -0.36466900 | 1.70194900 |

TS7-MeOH

| | | | |
|---|-------------|-------------|-------------|
| C | 2.25624200 | 1.08688100 | -1.19966400 |
| C | 2.02126400 | 2.39191400 | -0.99871200 |
| C | 0.79160900 | 2.79834200 | -0.29994100 |
| C | -0.10938500 | 1.86313300 | 0.09556800 |
| C | 0.16562100 | 0.44512200 | 0.01623800 |
| N | 1.44471200 | 0.10061300 | -0.65909100 |
| H | 3.10493400 | 0.72692100 | -1.77503900 |
| H | 2.69285700 | 3.14125400 | -1.39423800 |
| H | -1.06295100 | 2.16992000 | 0.51555200 |
| H | 0.48089300 | -0.21756000 | 1.27909300 |
| C | -0.76482500 | -0.56676600 | -0.48332300 |
| C | 0.52078100 | 4.18956600 | -0.10626300 |
| N | 0.31775500 | 5.32150900 | 0.04523900 |
| C | -2.20988800 | -0.54810700 | -0.20556900 |
| C | -3.12157900 | -0.99196800 | -1.17012300 |
| C | -2.69596000 | -0.08597300 | 1.02365400 |
| C | -4.48713700 | -0.97402800 | -0.91150500 |
| H | -2.74883800 | -1.32961800 | -2.13245200 |
| C | -4.06278100 | -0.06960800 | 1.28028700 |
| H | -1.99262500 | 0.23713300 | 1.78609700 |
| C | -4.96241000 | -0.51241700 | 0.31411000 |
| H | -5.18343200 | -1.31382000 | -1.67153400 |
| H | -4.42534600 | 0.28643500 | 2.23918100 |
| H | -6.02877300 | -0.49618600 | 0.51399000 |
| C | -0.08788200 | -1.53949600 | -1.14494100 |
| H | -0.51753100 | -2.43378300 | -1.57511100 |
| C | 1.38058800 | -1.24947100 | -1.10772800 |
| H | 1.95020000 | -1.43317200 | -2.03354500 |
| N | 2.08680400 | -2.12629100 | -0.02506500 |
| C | 1.77846000 | -3.55418700 | -0.16765400 |
| H | 2.07521200 | -3.91564300 | -1.16036900 |
| H | 2.32124600 | -4.11910700 | 0.59251500 |
| H | 0.70847900 | -3.70572800 | -0.02937700 |
| C | 3.53619000 | -1.88717100 | -0.05340700 |
| H | 3.96084200 | -2.21462500 | -1.01109500 |
| H | 3.72342400 | -0.82050700 | 0.08226300 |
| H | 4.01803200 | -2.44024000 | 0.75591800 |
| O | 1.10811000 | -0.95084900 | 1.95346600 |
| H | 1.61045100 | -1.62638500 | 1.03270600 |
| C | 2.11127600 | -0.15147700 | 2.56071800 |

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|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|
| H | 3.01986400 | -0.74488500 | 2.71150300 | N | 0.93659200 | -0.88964600 | 1.93690900 |
| H | 2.35514200 | 0.71694100 | 1.93239800 | C | -0.04193400 | -1.64875200 | 2.71962200 |
| H | 1.76705100 | 0.20290000 | 3.53575900 | H | 0.45407200 | -2.37031700 | 3.37575600 |
| TS8 | | | | | | | |
| C | 2.32355400 | 1.14381000 | -1.18889600 | H | -0.63502100 | -0.96173500 | 3.32846300 |
| C | 2.12080900 | 2.45292700 | -0.98719100 | H | -0.70518500 | -2.17211600 | 2.02784800 |
| C | 0.89025000 | 2.89849300 | -0.31497500 | C | 1.90453600 | -0.11752400 | 2.72301000 |
| C | -0.07553500 | 1.98036200 | -0.02402300 | H | 2.53474000 | -0.77382500 | 3.33019900 |
| C | 0.15408600 | 0.57282500 | -0.13494700 | H | 2.52046000 | 0.46070300 | 2.03106000 |
| N | 1.48685100 | 0.16139800 | -0.65041200 | H | 1.36704100 | 0.57270400 | 3.37763700 |
| H | 3.17173600 | 0.76638700 | -1.75341400 | H | 1.42612900 | -1.50513700 | 1.24098400 |
| H | 2.81800700 | 3.18293200 | -1.37645100 | TS9 | | | |
| H | -1.04982000 | 2.31118400 | 0.32480900 | C | 2.32863700 | 0.87561700 | -1.39999500 |
| H | 0.37930700 | -0.11375100 | 1.20545700 | C | 2.31655900 | 2.18428600 | -1.09851500 |
| C | -0.76506700 | -0.43195300 | -0.64494300 | C | 1.19092200 | 2.76066200 | -0.36331300 |
| C | 0.67076900 | 4.28594800 | -0.06775100 | C | 0.04706800 | 1.98250200 | -0.20391900 |
| N | 0.50563300 | 5.41731700 | 0.13487300 | C | 0.05346100 | 0.63291300 | -0.52550900 |
| C | -2.22140600 | -0.40292400 | -0.41510000 | N | 1.32072800 | 0.02699400 | -0.90277200 |
| C | -3.10127100 | -0.92944700 | -1.36843600 | H | 3.08803400 | 0.40688500 | -2.01795000 |
| C | -2.75532800 | 0.13860100 | 0.76134300 | H | 3.10287600 | 2.83210200 | -1.46645200 |
| C | -4.47353000 | -0.91993700 | -1.14850200 | H | -0.87830200 | 2.43937400 | 0.13387700 |
| H | -2.69754800 | -1.32707100 | -2.29458400 | H | 0.30539100 | -0.28554500 | 1.30851500 |
| C | -4.12894400 | 0.14916900 | 0.98046100 | C | -0.92726000 | -0.37667800 | -0.67872900 |
| H | -2.08208200 | 0.54524000 | 1.51178600 | C | 1.20904700 | 4.11908400 | 0.04104100 |
| C | -4.99319900 | -0.38145800 | 0.02669600 | N | 1.23493000 | 5.23077900 | 0.38500400 |
| H | -5.14202700 | -1.32618900 | -1.90098500 | C | -2.36257500 | -0.22244600 | -0.37893900 |
| H | -4.52453700 | 0.57201200 | 1.89855300 | C | -3.32154800 | -0.82293100 | -1.20397900 |
| H | -6.06500600 | -0.37116000 | 0.19557000 | C | -2.80293500 | 0.49671800 | 0.73979700 |
| C | -0.07912400 | -1.43041000 | -1.25617600 | C | -4.67735600 | -0.70126600 | -0.92344800 |
| H | -0.52237000 | -2.31144900 | -1.70044300 | H | -2.99078100 | -1.36966700 | -2.08191000 |
| C | 1.40262100 | -1.16480800 | -1.22976600 | C | -4.16001400 | 0.62250500 | 1.01776700 |
| H | 1.89160200 | -1.20721600 | -2.22728300 | H | -2.07131300 | 0.95118300 | 1.40277400 |
| N | 2.13962200 | -2.14132100 | -0.35097200 | C | -5.10333600 | 0.02323900 | 0.18760800 |
| C | 1.92499300 | -3.51310400 | -0.79989500 | H | -5.40583300 | -1.16671200 | -1.58014500 |
| H | 2.22585000 | -3.65648600 | -1.85205000 | H | -4.47975600 | 1.18668800 | 1.88832600 |
| H | 2.51619500 | -4.19371000 | -0.18219800 | H | -6.16224900 | 0.12137100 | 0.40338100 |
| H | 0.87193200 | -3.78035600 | -0.69755700 | C | -0.32566700 | -1.53385200 | -1.13592900 |
| C | 3.56696300 | -1.83396800 | -0.35080300 | H | -0.84756100 | -2.43514100 | -1.42487700 |
| H | 4.00572600 | -1.90352800 | -1.36176200 | C | 1.14859800 | -1.34612800 | -1.25404200 |
| H | 3.72612100 | -0.82167400 | 0.02747500 | H | 1.61631100 | -1.61461400 | -2.22764600 |
| H | 4.09434500 | -2.53678900 | 0.29996300 | N | 1.93249600 | -2.23168400 | -0.22828100 |
| | | | | C | 1.59864900 | -3.64437000 | -0.40487000 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 1.82659600 | -3.98120700 | -1.42791300 | H | -3.41905800 | -2.57572300 | 1.90659600 |
| H | 2.17645400 | -4.25352600 | 0.29501900 | H | -2.67341000 | 1.34360200 | 3.48939900 |
| H | 0.53501000 | -3.79419700 | -0.21350100 | C | 0.40412900 | -0.30499200 | 0.38174000 |
| C | 3.37525900 | -2.02307900 | -0.37103200 | O | 1.18492700 | 0.76322900 | 0.85266000 |
| H | 3.71146000 | -2.25737500 | -1.39318800 | H | -4.09554500 | -0.68973000 | 3.37652000 |
| H | 3.62230400 | -0.98201700 | -0.15205000 | C | 1.22894000 | -1.55731600 | 0.29017400 |
| H | 3.91747300 | -2.66861300 | 0.32571400 | C | 2.57127500 | -1.49966700 | 0.25806800 |
| N | 0.99266500 | -0.87164800 | 1.81375700 | C | -3.28552900 | -1.44241000 | -2.36864000 |
| C | 0.31559300 | -1.67310400 | 2.84359700 | N | -4.04350200 | -2.20960100 | -2.78672300 |
| H | 1.03468200 | -2.35632700 | 3.30067100 | H | 0.76189100 | 5.03602800 | 0.03127600 |
| H | -0.11076200 | -1.02800500 | 3.61549700 | H | 2.34101600 | 4.64584400 | 0.75153600 |
| H | -0.48086300 | -2.24426300 | 2.36365600 | H | 2.90544400 | 4.01323000 | -1.51545400 |
| C | 2.05560300 | 0.02184900 | 2.31353500 | H | 1.19492700 | 3.72138700 | -1.92767100 |
| H | 2.87788900 | -0.58146500 | 2.70555300 | H | 0.70136500 | -2.50247600 | 0.24795900 |
| H | 2.40027600 | 0.63826500 | 1.47951300 | N | 3.44200600 | -2.56409400 | 0.23521300 |
| H | 1.66849400 | 0.66792000 | 3.10497900 | C | 4.75544200 | -2.34630600 | -0.33851200 |
| H | 1.42622000 | -1.55933200 | 0.97743300 | H | 5.46038000 | -3.07784700 | 0.06567000 |
| | | | | H | 4.75894200 | -2.42977300 | -1.43583900 |
| | | | | H | 5.10573600 | -1.34762800 | -0.06918900 |
| | | | | C | 2.88592600 | -3.88579900 | 0.06498800 |
| | | | | H | 3.68326300 | -4.62689000 | 0.14840500 |
| C | 1.49840800 | 4.24130000 | 0.17851400 | H | 2.15094100 | -4.08061700 | 0.85128400 |
| C | 1.95974700 | 3.60671600 | -1.14904600 | H | 2.38895800 | -4.00776400 | -0.91125900 |
| B | 1.26971900 | 2.00090100 | 0.24228000 | H | 3.05277000 | -0.52512100 | 0.29662600 |
| O | 0.91599900 | 3.16375800 | 0.90140100 | | | | |
| O | 2.10919000 | 2.22879200 | -0.83983900 | | | | |
| C | -0.07610500 | 0.13435900 | -1.11283400 | | | | |
| C | -1.02077700 | -0.82122900 | -1.72491000 | | | | |
| C | -2.34267100 | -0.48776300 | -1.84222200 | | | | |
| C | -2.78847200 | 0.79627700 | -1.44050300 | | | | |
| C | -1.80895500 | 1.74075800 | -1.03588600 | | | | |
| N | -0.53992600 | 1.48341500 | -0.94862500 | | | | |
| H | 0.87723100 | 0.16078800 | -1.65691800 | | | | |
| H | -0.65808200 | -1.79439400 | -2.03946500 | | | | |
| H | -3.83623200 | 1.06214100 | -1.48278400 | | | | |
| H | -2.11853700 | 2.75684700 | -0.79452600 | | | | |
| C | -1.22454000 | 0.60246100 | 2.09135300 | | | | |
| C | -0.83724300 | -0.45213100 | 1.26143200 | | | | |
| C | -1.64188800 | -1.59494000 | 1.20951900 | | | | |
| C | -2.80766400 | -1.68078600 | 1.96360500 | | | | |
| C | -3.18662800 | -0.62394700 | 2.78698300 | | | | |
| C | -2.38985000 | 0.51453700 | 2.84862600 | | | | |
| H | -0.60725300 | 1.49291700 | 2.14319100 | | | | |
| H | -1.37558800 | -2.42832700 | 0.56571300 | | | | |

TS-A

| | | | |
|---|-------------|-------------|-------------|
| C | 1.49840800 | 4.24130000 | 0.17851400 |
| C | 1.95974700 | 3.60671600 | -1.14904600 |
| B | 1.26971900 | 2.00090100 | 0.24228000 |
| O | 0.91599900 | 3.16375800 | 0.90140100 |
| O | 2.10919000 | 2.22879200 | -0.83983900 |
| C | -0.07610500 | 0.13435900 | -1.11283400 |
| C | -1.02077700 | -0.82122900 | -1.72491000 |
| C | -2.34267100 | -0.48776300 | -1.84222200 |
| C | -2.78847200 | 0.79627700 | -1.44050300 |
| C | -1.80895500 | 1.74075800 | -1.03588600 |
| N | -0.53992600 | 1.48341500 | -0.94862500 |
| H | 0.87723100 | 0.16078800 | -1.65691800 |
| H | -0.65808200 | -1.79439400 | -2.03946500 |
| H | -3.83623200 | 1.06214100 | -1.48278400 |
| H | -2.11853700 | 2.75684700 | -0.79452600 |
| C | -1.22454000 | 0.60246100 | 2.09135300 |
| C | -0.83724300 | -0.45213100 | 1.26143200 |
| C | -1.64188800 | -1.59494000 | 1.20951900 |
| C | -2.80766400 | -1.68078600 | 1.96360500 |
| C | -3.18662800 | -0.62394700 | 2.78698300 |
| C | -2.38985000 | 0.51453700 | 2.84862600 |
| H | -0.60725300 | 1.49291700 | 2.14319100 |
| H | -1.37558800 | -2.42832700 | 0.56571300 |

TS-B

| | | | |
|---|-------------|-------------|-------------|
| C | 4.35796400 | 0.63782400 | -0.56992200 |
| C | 4.40188700 | 0.91441800 | -2.07958900 |
| B | 2.22163500 | 0.52430000 | -1.45319800 |
| O | 3.07046100 | 0.10020600 | -0.35365500 |
| O | 3.05715500 | 1.11290600 | -2.43264500 |
| C | -1.88350300 | -3.06999900 | -0.59945900 |
| C | -3.27385600 | -2.78755100 | -0.66544400 |
| C | -3.66513400 | -1.42918600 | -0.57357600 |
| C | -2.72065400 | -0.44670300 | -0.48914100 |
| C | -1.26092000 | -0.78101400 | -0.57302900 |
| N | -0.93482000 | -2.19020500 | -0.52394900 |
| H | -1.57189100 | -4.11484800 | -0.59326500 |
| H | -4.00606900 | -3.58071700 | -0.73665100 |
| H | -3.01900600 | 0.59257100 | -0.41901400 |
| H | -0.86511100 | -0.40741500 | -1.54443800 |
| C | -0.42136400 | 0.07123300 | 0.39193600 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -5.06600900 | -1.08755200 | -0.55263200 | C | 1.02170200 | 0.23675800 | -1.30372700 |
| N | -6.19226300 | -0.82488200 | -0.53434000 | N | 2.05985400 | 1.03176600 | -0.62727700 |
| H | 5.13541700 | -0.06634300 | -0.24401800 | H | 3.56181300 | 0.91471000 | 0.79281600 |
| H | 4.81823800 | 0.05243800 | -2.62282000 | H | 3.97231100 | -1.49851900 | 0.56308400 |
| H | 5.00378900 | 1.79518900 | -2.32796100 | H | 0.88962500 | -1.66572300 | -2.45936400 |
| H | 4.48136300 | 1.56848100 | 0.00501200 | H | 0.72202300 | 0.79183800 | -2.20468400 |
| O | 0.93534000 | 0.38205800 | -1.50479800 | C | -0.29062800 | 0.27436500 | -0.42658400 |
| C | -0.89063100 | 1.47625200 | 0.54463900 | C | 2.80634900 | -3.11313900 | -1.30618300 |
| C | -0.91665700 | 2.35811800 | -0.54269700 | N | 3.08923900 | -4.21370400 | -1.52708400 |
| C | -1.37694100 | 1.89325400 | 1.78843300 | H | -5.20387200 | -1.23318700 | -0.67277900 |
| C | -1.42357900 | 3.64173600 | -0.37247100 | H | -4.84462600 | 0.22239100 | 1.19393600 |
| H | -0.47994600 | 2.02476900 | -1.47932800 | H | -4.79870900 | 1.66176200 | 0.15172800 |
| C | -1.88885300 | 3.17823400 | 1.94630200 | H | -5.64047000 | 0.23217500 | -1.57889500 |
| H | -1.37317800 | 1.20110000 | 2.62568400 | O | -1.34051400 | -0.02867800 | -1.34203800 |
| C | -1.91442700 | 4.05386900 | 0.86558600 | C | -0.33656400 | -0.71936100 | 0.73114800 |
| H | -1.42649300 | 4.32828600 | -1.21291300 | C | -0.33898500 | -0.32483700 | 2.06959800 |
| H | -2.27064100 | 3.49097300 | 2.91278900 | C | -0.45577100 | -2.08422500 | 0.43949800 |
| H | -2.31287200 | 5.05591600 | 0.98783400 | C | -0.38777400 | -1.27104200 | 3.09077200 |
| C | 0.51958800 | -0.36252200 | 1.29706500 | H | -0.34693300 | 0.72872900 | 2.32400100 |
| H | 0.90460100 | 0.39223600 | 1.97311300 | C | -0.50022700 | -3.02987200 | 1.45668000 |
| C | 1.29822800 | -1.50820000 | 1.06559600 | H | -0.52623000 | -2.40656800 | -0.59353300 |
| H | 1.00771600 | -2.17894000 | 0.26445100 | C | -0.45086100 | -2.62652700 | 2.78881200 |
| N | 2.41944300 | -1.78006200 | 1.69085300 | H | -0.38946500 | -0.94193500 | 4.12511700 |
| C | 2.99085000 | -0.84234900 | 2.64923000 | H | -0.57711400 | -4.08309500 | 1.20683900 |
| H | 2.26447500 | -0.61000300 | 3.42966000 | H | -0.48261600 | -3.36383000 | 3.58464500 |
| H | 3.86788700 | -1.29821200 | 3.10818700 | C | -0.30288500 | 1.74206700 | -0.03826000 |
| H | 3.27500900 | 0.06936300 | 2.11237500 | H | -0.90502300 | 2.37808800 | -0.67800900 |
| C | 3.33640600 | -2.76315700 | 1.13128400 | C | 0.84236600 | 2.23708100 | 0.58961000 |
| H | 2.79278600 | -3.42262200 | 0.45545600 | H | 1.26161600 | 1.69065000 | 1.42865100 |
| H | 4.11344000 | -2.23788100 | 0.56682500 | N | 1.24167000 | 3.55088500 | 0.53813000 |
| H | 3.78778200 | -3.35138100 | 1.93318500 | C | 0.91262800 | 4.27997700 | -0.67631600 |
| | | | | H | -0.16729400 | 4.41241300 | -0.76689800 |
| | | | | H | 1.36477600 | 5.27185900 | -0.62506400 |
| | | | | H | 1.29087200 | 3.75510100 | -1.56636800 |
| | | | | C | 2.59753200 | 3.78730900 | 1.00928000 |
| C | -4.86337600 | -0.23585400 | -0.96993000 | H | 2.75787600 | 3.25023100 | 1.94768300 |
| C | -4.46393600 | 0.62376000 | 0.25202500 | H | 3.34184200 | 3.44786300 | 0.27430100 |
| B | -2.63567200 | 0.06012300 | -0.93735500 | H | 2.74061600 | 4.85370100 | 1.19781500 |
| O | -3.66780700 | -0.36281800 | -1.73366300 | | | | |
| O | -3.03898400 | 0.59468200 | 0.26234400 | | | | |
| C | 2.93522600 | 0.31913500 | 0.12874400 | | | | |
| C | 3.17414000 | -1.01958700 | 0.01159600 | | | | |
| C | 2.45090400 | -1.74916400 | -1.01510800 | | | | |
| C | 1.45023200 | -1.14807500 | -1.68795000 | | | | |

TS-C

| | | | |
|---|-------------|-------------|-------------|
| C | -4.86337600 | -0.23585400 | -0.96993000 |
| C | -4.46393600 | 0.62376000 | 0.25202500 |
| B | -2.63567200 | 0.06012300 | -0.93735500 |
| O | -3.66780700 | -0.36281800 | -1.73366300 |
| O | -3.03898400 | 0.59468200 | 0.26234400 |
| C | 2.93522600 | 0.31913500 | 0.12874400 |
| C | 3.17414000 | -1.01958700 | 0.01159600 |
| C | 2.45090400 | -1.74916400 | -1.01510800 |
| C | 1.45023200 | -1.14807500 | -1.68795000 |

TS-D

| | | | |
|---|-------------|------------|------------|
| C | -3.53072100 | 0.43796000 | 2.10648000 |
| C | -3.11169700 | 1.73882900 | 1.38564100 |

| B | -1.47953000 | 0.18278100 | 1.20354300 | H | 2.97200200 | 4.37722000 | 1.11868200 |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| O | -2.37206900 | -0.39124100 | 2.07039500 | | | | |
| O | -1.88678700 | 1.40779300 | 0.72510600 | | | | |
| C | -1.12131800 | -2.90653100 | -0.91451200 | | | | |
| C | -2.37134000 | -2.26915800 | -0.81275500 | | | | |
| C | -2.45935900 | -0.95795700 | -1.31860200 | C | -3.31150400 | 1.60048100 | -0.88615700 |
| C | -1.33109200 | -0.32642000 | -1.80098600 | C | -2.44796300 | 2.51836400 | -1.77890300 |
| C | -0.06019700 | -0.97778400 | -1.63133500 | B | -1.23518900 | 0.75265600 | -1.09893500 |
| N | -0.02303400 | -2.34138100 | -1.35903700 | O | -2.39246900 | 0.62451200 | -0.38125600 |
| H | -1.04249700 | -3.95794800 | -0.64167700 | O | -1.24073600 | 1.78685000 | -1.99513600 |
| H | -3.23809100 | -2.77609000 | -0.40907100 | C | 0.18941300 | -1.22046500 | -0.44901800 |
| H | -1.39096700 | 0.67749900 | -2.20551400 | H | -3.75899000 | 2.13914200 | -0.04940000 |
| H | 0.75304800 | -0.64031900 | -2.27398200 | H | -2.21204700 | 3.45883200 | -1.27134200 |
| C | 0.66199100 | -0.16403200 | -0.01134200 | H | -2.91747700 | 2.73630900 | -2.74112600 |
| C | -3.71618100 | -0.25314700 | -1.28958500 | H | -4.09044200 | 1.08173100 | -1.45411700 |
| N | -4.71675700 | 0.32549900 | -1.21904200 | O | -0.11212500 | -0.02420000 | -1.01224600 |
| H | -3.82534700 | 0.60902600 | 3.14484700 | C | -0.86713200 | -2.20025100 | -0.09326500 |
| H | -2.92089300 | 2.55747600 | 2.08741800 | C | -0.81130700 | -3.47926100 | -0.65750000 |
| H | -3.84637200 | 2.05794600 | 0.64364600 | C | -1.86149800 | -1.91022800 | 0.84743500 |
| H | -4.34909200 | -0.06544100 | 1.58229600 | C | -1.74159200 | -4.44983100 | -0.30047800 |
| O | -0.32170000 | -0.47569000 | 0.91697300 | H | -0.03824800 | -3.69952900 | -1.38747100 |
| C | 1.88558700 | -0.98008200 | 0.24855500 | C | -2.78892700 | -2.88284000 | 1.20148800 |
| C | 2.95893700 | -0.96873900 | -0.65184700 | H | -1.90219400 | -0.92456400 | 1.29528300 |
| C | 1.95578300 | -1.81208800 | 1.36886900 | C | -2.73394600 | -4.15170600 | 0.62841000 |
| C | 4.08315500 | -1.75130700 | -0.42300000 | H | -1.69203700 | -5.43607200 | -0.75060600 |
| H | 2.90923300 | -0.34562000 | -1.54055900 | H | -3.55497800 | -2.65076800 | 1.93434600 |
| C | 3.08556800 | -2.59097400 | 1.59825700 | H | -3.46185400 | -4.90656400 | 0.90872900 |
| H | 1.11953100 | -1.84050200 | 2.05659000 | C | 1.50516000 | -1.51030700 | -0.30560800 |
| C | 4.15310100 | -2.56402500 | 0.70713600 | H | 1.76183800 | -2.44855200 | 0.16928800 |
| H | 4.90429800 | -1.73249500 | -1.13253800 | C | 2.52315600 | -0.54356200 | -0.64080300 |
| H | 3.12706100 | -3.22577500 | 2.47781100 | H | 2.27912600 | 0.11808700 | -1.46797500 |
| H | 5.03154100 | -3.17570000 | 0.88625400 | N | 3.85752900 | -0.85011000 | -0.54478600 |
| C | 0.82173800 | 1.26880000 | -0.32164100 | C | 4.29501900 | -1.52595000 | 0.66600300 |
| H | -0.08332000 | 1.79374500 | -0.60055800 | H | 3.72447300 | -2.43919700 | 0.83451100 |
| C | 1.98479700 | 1.94545900 | -0.19787500 | H | 5.34610300 | -1.80189000 | 0.55845100 |
| H | 2.87779600 | 1.44325500 | 0.16561700 | H | 4.18606200 | -0.86385200 | 1.53851300 |
| N | 2.17998900 | 3.26415700 | -0.51390300 | C | 4.75021800 | 0.23352600 | -0.92076800 |
| C | 1.02740100 | 4.05520400 | -0.88674000 | H | 4.76494900 | 1.01559500 | -0.14718100 |
| H | 0.29615200 | 4.13323700 | -0.06816600 | H | 5.76111300 | -0.15719700 | -1.05781700 |
| H | 1.35619100 | 5.05675700 | -1.16929300 | H | 4.41620700 | 0.67120300 | -1.86458900 |
| H | 0.52843800 | 3.59831600 | -1.74638400 | C | 1.94653300 | 2.12313400 | 0.02002500 |
| C | 3.26393100 | 3.97305600 | 0.13865700 | C | 0.81650900 | 2.87115700 | 0.21888300 |
| H | 4.10580000 | 3.29275900 | 0.28357100 | C | -0.12948400 | 2.44408400 | 1.18148400 |
| H | 3.59569900 | 4.80155400 | -0.49287200 | C | 0.18736900 | 1.29187200 | 1.94029500 |

| | | | | | | | |
|---|-------------|-------------|--------------|---|-------------|-------------|-------------|
| C | 1.34557400 | 0.60974500 | 1.66993100 | C | -2.59456100 | 1.40558400 | -0.06806000 |
| N | 2.22970200 | 0.96058000 | 0.68812000 | C | -3.10543600 | 2.34592700 | 0.83480700 |
| H | 2.67720200 | 2.42331800 | -0.72791700 | C | -3.25228800 | 1.21336200 | -1.28862500 |
| H | 0.64312200 | 3.76931400 | -0.36305500 | C | -4.25343700 | 3.06897100 | 0.52620500 |
| H | -0.47117000 | 0.95950300 | 2.73544800 | H | -2.60149600 | 2.49118400 | 1.78577700 |
| H | 1.59497500 | -0.28839900 | 2.22830000 | C | -4.39975900 | 1.93678900 | -1.59552800 |
| C | -1.35605500 | 3.13788100 | 1.36789700 | H | -2.84952300 | 0.49675800 | -1.99919100 |
| N | -2.36929000 | 3.69637300 | 1.48914900 | C | -4.90398100 | 2.86588200 | -0.68830000 |
| | | | | H | -4.64524800 | 3.78639300 | 1.24006800 |
| | | | | H | -4.89670600 | 1.77885200 | -2.54717500 |
| | | | | H | -5.79984700 | 3.42924500 | -0.92754900 |
| | | | | C | -0.16376200 | 1.29403400 | 0.56554700 |
| C | 5.42947200 | 0.06543700 | 1.22064200 | H | 0.66317500 | 0.68924300 | 0.91127000 |
| C | 5.30126100 | 0.05635800 | -0.31434100 | C | 0.03631100 | 2.63152200 | 0.31459400 |
| B | 3.33237200 | -0.54377900 | 0.62928300 | H | -0.77842900 | 3.25671900 | -0.04321900 |
| O | 4.09236500 | -0.05669400 | 1.68349900 | N | 1.21278700 | 3.25735100 | 0.46029700 |
| O | 4.05069700 | -0.56914500 | -0.55868100 | C | 2.41267300 | 2.47532500 | 0.72110400 |
| C | 1.31402500 | -0.97773500 | -2.66396700 | H | 2.55713000 | 1.74932600 | -0.09012200 |
| C | 2.08677400 | -2.25887300 | -2.30927200 | H | 3.27058500 | 3.14700600 | 0.77386100 |
| B | 1.25187900 | -1.31131500 | -0.374777800 | H | 2.33749300 | 1.92845400 | 1.66531900 |
| O | 1.08241000 | -0.33423100 | -1.42636000 | C | 1.37349900 | 4.66065100 | 0.13895600 |
| O | 1.72714700 | -2.53071900 | -0.97269900 | H | 0.39646000 | 5.10596500 | -0.05274500 |
| C | -0.38240700 | -2.94305900 | 0.74207200 | H | 1.84114800 | 5.19298000 | 0.97329100 |
| C | -1.55680300 | -3.53316300 | 1.01114800 | H | 1.99992900 | 4.78918400 | -0.75151500 |
| C | -2.78677700 | -2.78315300 | 0.74769400 | | | | |
| C | -2.74159900 | -1.49255100 | 0.36635100 | | | | |
| C | -1.46145900 | -0.77476100 | 0.19887900 | | | | |
| N | -0.23750400 | -1.64881100 | 0.24479100 | | | | |
| H | 0.56681300 | -3.45215200 | 0.86584200 | C | -2.78502000 | -0.13625800 | 0.99807800 |
| H | -1.60390000 | -4.54229900 | 1.39501500 | C | -3.10032200 | 1.10594100 | 0.59151300 |
| H | -3.65452800 | -0.92791600 | 0.21961100 | C | -2.04593400 | 1.97940100 | 0.06338100 |
| H | -0.94572100 | -1.21121300 | -0.83065700 | C | -0.79030400 | 1.49685900 | -0.14145300 |
| C | -1.37203600 | 0.63049200 | 0.27150700 | C | -0.50071800 | 0.10714300 | 0.09393900 |
| C | -4.06163200 | -3.42194800 | 0.92561100 | N | -1.47031700 | -0.58168400 | 0.97377900 |
| N | -5.08291000 | -3.94766400 | 1.07098600 | H | -3.50810200 | -0.81100200 | 1.44769000 |
| H | 6.01924900 | -0.78565200 | 1.58120200 | H | -4.10949100 | 1.48116600 | 0.69561600 |
| H | 6.10348500 | -0.49940200 | -0.80630100 | H | -0.01308300 | 2.14646800 | -0.53174200 |
| H | 5.28164500 | 1.07517000 | -0.72348700 | H | -0.78524300 | -1.00213500 | -0.90136700 |
| H | 5.87670600 | 0.98618900 | 1.60542100 | C | 0.76298200 | -0.53012000 | 0.48066300 |
| H | 1.81471000 | -3.10161700 | -2.95464300 | C | -2.35551600 | 3.34215600 | -0.24475900 |
| H | 3.16810400 | -2.09105600 | -2.38071300 | N | -2.62218100 | 4.44288500 | -0.49407400 |
| H | 0.35636500 | -1.21613000 | -3.15550700 | C | 2.10320600 | 0.00576700 | 0.20334700 |
| H | 1.87793900 | -0.31600800 | -3.32985400 | C | 3.14296800 | -0.19707500 | 1.11838800 |
| O | 2.04339400 | -0.87176400 | 0.76534300 | C | 2.36856500 | 0.71015200 | -0.97723700 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 4.41644500 | 0.29543600 | 0.85991600 | H | 2.05828300 | 1.88080900 | -1.05975500 |
| H | 2.93422900 | -0.72519200 | 2.04393400 | C | 4.93358300 | 0.68876400 | 0.28532300 |
| C | 3.64417700 | 1.20175700 | -1.23361800 | H | 5.21383900 | -1.31169400 | 1.03272900 |
| H | 1.57532800 | 0.84738100 | -1.70656800 | H | 4.34743000 | 2.59794600 | -0.51521400 |
| C | 4.67146500 | 0.99747100 | -0.31607200 | H | 5.94306700 | 1.00646800 | 0.52411000 |
| H | 5.21064000 | 0.13844100 | 1.58283100 | C | 0.45888800 | -1.80561100 | -0.67691100 |
| H | 3.83682700 | 1.74230700 | -2.15482500 | H | 1.01876400 | -2.72492500 | -0.55848700 |
| H | 5.66519800 | 1.38537200 | -0.51495200 | C | -1.04315100 | -1.76100700 | -0.84654700 |
| C | 0.46422700 | -1.73508200 | 1.03875000 | H | -1.47973100 | -2.54888200 | -1.47710900 |
| H | 1.15685300 | -2.51382900 | 1.32550100 | N | -1.67425300 | -1.93562500 | 0.55047800 |
| C | -1.01553900 | -1.91974700 | 0.85175600 | C | -1.15492400 | -3.13015100 | 1.23807600 |
| H | -1.56968800 | -2.66366700 | 1.43140400 | H | -0.09768900 | -2.99699600 | 1.47032400 |
| N | -1.20394800 | -2.22076400 | -0.69121700 | H | -1.70502900 | -3.27187400 | 2.16963800 |
| C | -0.36695300 | -3.28885300 | -1.23284400 | H | -1.28055600 | -4.02261100 | 0.61295700 |
| H | -0.68940800 | -4.26594500 | -0.84743400 | C | -3.14875400 | -1.98653900 | 0.50227500 |
| H | -0.45044900 | -3.29708600 | -2.32247800 | H | -3.52844700 | -2.07674300 | 1.52173800 |
| H | 0.67324800 | -3.11564000 | -0.96527300 | H | -3.52776900 | -1.07152200 | 0.05216000 |
| C | -2.60602100 | -2.36890200 | -1.07844200 | H | -3.47624600 | -2.85511900 | -0.08201800 |
| H | -3.10973700 | -3.11123400 | -0.44416300 | O | -0.75031400 | 0.16020200 | 1.53277500 |
| H | -3.12547700 | -1.41233900 | -0.99215200 | H | 0.14451900 | -0.01888900 | 1.86160100 |
| H | -2.66275900 | -2.70240400 | -2.11726900 | H | -1.26096600 | -0.88818500 | 1.12569300 |

TS-H

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -2.49162100 | 0.16403800 | -1.62970400 | C | 2.74552700 | -1.48563900 | -0.01977500 |
| C | -2.77487400 | 1.31502700 | -0.98362300 | C | 3.23451800 | -0.14786100 | -0.12859000 |
| C | -1.89719400 | 1.88777000 | 0.00796100 | C | 2.43685400 | 0.95478000 | -0.19310600 |
| C | -0.64140800 | 1.27506800 | 0.26354000 | C | 0.93368800 | 0.86526800 | -0.28775500 |
| C | -0.16661200 | 0.42151000 | -0.92575100 | C | 0.49224300 | -0.55012100 | 0.07729800 |
| N | -1.23187600 | -0.45591400 | -1.39221600 | N | 1.35962200 | -1.60019800 | -0.33235300 |
| H | -3.11048700 | -0.27046100 | -2.40721100 | H | 3.35023000 | -2.32016000 | -0.35481800 |
| H | -3.68488300 | 1.85179400 | -1.23362100 | H | 4.30960000 | -0.00987100 | -0.05953400 |
| H | 0.12480300 | 1.91351500 | 0.70698800 | H | 0.48589100 | 1.56064100 | 0.43531500 |
| H | 0.10305300 | 1.11712800 | -1.73299900 | H | 0.89365800 | -0.70995200 | 1.44611900 |
| C | 0.94860700 | -0.55922400 | -0.63810600 | C | -0.83804200 | -1.06142700 | -0.11835100 |
| C | -2.27369800 | 3.03833800 | 0.74080400 | C | 3.00861100 | 2.26223600 | -0.22613500 |
| N | -2.57407300 | 3.99025200 | 1.34068500 | N | 3.45691800 | 3.33237900 | -0.23584400 |
| C | 2.32239700 | -0.13282300 | -0.32859300 | C | -2.06566500 | -0.27599400 | 0.04733300 |
| C | 3.23047200 | -1.01738000 | 0.27143500 | C | -3.17274500 | -0.51140800 | -0.77992900 |
| C | 2.74314000 | 1.17530100 | -0.60022900 | C | -2.15216100 | 0.73357600 | 1.01666900 |
| C | 4.52452700 | -0.61366400 | 0.56905900 | C | -4.33243500 | 0.24108800 | -0.64031300 |
| H | 2.91239100 | -2.02618200 | 0.51795000 | H | -3.10488400 | -1.27360200 | -1.55023800 |
| C | 4.03888400 | 1.58122100 | -0.29639300 | C | -3.31143600 | 1.49041400 | 1.14936500 |

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|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| H | -1.31524700 | 0.90199100 | 1.68861200 | H | 0.92554500 | -3.85256800 | 0.05219000 |
| C | -4.40464700 | 1.24641600 | 0.32214200 | O | 1.07700600 | 0.44780500 | -1.96778600 |
| H | -5.17898900 | 0.05041600 | -1.29183700 | H | 0.17636400 | 0.53426200 | -2.30415200 |
| H | -3.36318500 | 2.26597300 | 1.90638200 | H | 1.65784100 | 0.05124100 | 2.97690500 |
| H | -5.30896500 | 1.83657600 | 0.42659700 | O | 1.21836600 | 0.56419000 | 2.28407800 |
| C | -0.72801300 | -2.37982700 | -0.53337200 | H | 0.65560700 | -0.15982800 | 1.43217100 |
| H | -1.53679400 | -3.07276200 | -0.71748700 | H | 1.94924500 | 0.84629700 | 1.52304300 |
| C | 0.64266600 | -2.67921200 | -0.64039600 | | | | |
| H | 1.12692500 | -3.61923200 | -0.86800200 | | | | |
| O | 0.53995200 | 1.23550100 | -1.59727300 | TS-K | | | |
| H | -0.40132200 | 1.45075700 | -1.57413200 | C | -2.26967700 | 0.13443100 | -1.78318100 |
| O | 1.66877700 | -1.01697300 | 2.33065100 | C | -2.66372500 | 1.09125600 | -0.81199900 |
| H | 2.39560800 | -1.34465900 | 1.57455200 | C | -1.54409000 | 1.76062800 | -0.03318400 |
| H | 1.32808300 | -1.80333700 | 2.77831600 | C | -0.25211000 | 1.46733100 | -0.24196900 |
| | | | C | 0.13771700 | 0.35734100 | -1.19520300 | |
| TS-J | | | N | -0.99687000 | -0.48583600 | -1.54375800 | |
| | | | H | -2.58009900 | 0.24111200 | -2.81461400 | |
| C | 2.65987400 | -1.67839100 | 0.07995500 | H | -3.38151800 | 1.83377600 | -1.16759500 |
| C | 3.22225000 | -0.44827800 | 0.02748400 | H | 0.53514000 | 2.01656600 | 0.27078400 |
| C | 2.45402900 | 0.77294000 | -0.02254300 | H | 0.57070900 | 0.80274300 | -2.10563100 |
| C | 1.04269400 | 0.60930300 | -0.56425800 | C | 1.11034100 | -0.61359300 | -0.55104700 |
| C | 0.44493900 | -0.61500000 | 0.13945400 | C | -1.89438500 | 2.77511500 | 0.92702900 |
| N | 1.25982900 | -1.77491500 | 0.06802300 | N | -2.18333600 | 3.59793400 | 1.68918400 |
| H | 3.20092700 | -2.61219800 | 0.13086900 | C | 2.49723100 | -0.25650700 | -0.21416000 |
| H | 4.30477800 | -0.38272500 | 0.07200800 | C | 3.22768800 | -1.01622700 | 0.71040100 |
| H | 0.43399400 | 1.48328700 | -0.29490200 | C | 3.11047500 | 0.86181700 | -0.79234200 |
| C | -0.90820400 | -1.09398700 | 0.05224800 | C | 4.53639700 | -0.68162300 | 1.02921000 |
| C | 3.13441000 | 1.97705200 | -0.38606800 | H | 2.75551100 | -1.86536600 | 1.19527100 |
| N | 3.67665400 | 2.97581400 | -0.62590900 | C | 4.42130300 | 1.19941500 | -0.46987900 |
| C | -2.09571700 | -0.23368700 | 0.04962900 | H | 2.56428100 | 1.46855600 | -1.50769000 |
| C | -3.24222400 | -0.61414100 | -0.66025700 | C | 5.13912400 | 0.42820600 | 0.43843300 |
| C | -2.10336400 | 0.98105800 | 0.75000800 | H | 5.08581500 | -1.28040600 | 1.74830900 |
| C | -4.36622400 | 0.20259300 | -0.67441400 | H | 4.88083600 | 2.06766400 | -0.93048600 |
| H | -3.23537900 | -1.54504000 | -1.21959700 | H | 6.16027100 | 0.69298700 | 0.69196400 |
| C | -3.22910300 | 1.79714900 | 0.73019000 | C | 0.48871800 | -1.78400100 | -0.34734000 |
| H | -1.23666900 | 1.26810100 | 1.33996100 | H | 0.93147600 | -2.68499500 | 0.06210500 |
| C | -4.36184300 | 1.41210600 | 0.01759900 | C | -0.94448300 | -1.67763400 | -0.77059200 |
| H | -5.24519700 | -0.10101800 | -1.23361900 | H | -1.33449800 | -2.53653000 | -1.32804700 |
| H | -3.22307600 | 2.73257900 | 1.27981200 | N | -1.91003500 | -1.63495300 | 0.48298700 |
| H | -5.23875100 | 2.05076500 | 0.00271000 | C | -1.28239200 | -1.32876200 | 1.78747300 |
| C | -0.86288300 | -2.48135100 | 0.02269700 | H | -0.65218100 | -0.44743200 | 1.68054900 |
| H | -1.70492300 | -3.15831200 | 0.04371500 | H | -2.08140700 | -1.10787400 | 2.49797300 |
| C | 0.48825400 | -2.86354900 | 0.03389900 | H | -0.68618400 | -2.17506800 | 2.13571800 |

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|---|-------------|-------------|-------------|---|-------------|-------------|------------|
| C | -2.74196900 | -2.84949200 | 0.55686100 | C | -2.80229900 | -1.96539900 | 0.86433800 |
| H | -3.43684000 | -2.75946400 | 1.39415500 | H | -3.06798000 | -2.39854200 | 1.83186400 |
| H | -3.30316300 | -2.93559400 | -0.37479700 | H | -2.95031100 | -0.88623400 | 0.90220500 |
| H | -2.11115700 | -3.73177500 | 0.69616400 | H | -3.44878700 | -2.40013400 | 0.09330600 |
| O | -3.47766500 | 0.43611800 | 0.45606000 | O | 0.30927700 | -0.53628600 | 1.42528400 |
| H | -2.61373100 | -0.79809500 | 0.33903500 | H | 1.08640800 | -0.91957100 | 1.85154800 |
| H | -4.30723500 | 0.16402300 | 0.03839500 | H | -0.71865200 | -1.59568000 | 1.12924600 |

TS-L

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -2.57866500 | 0.05613000 | -1.44214200 | C | 2.31344400 | 1.77751900 | -0.05040300 |
| C | -2.94262800 | 1.30556400 | -1.06857000 | C | 1.65398600 | 2.94004400 | 0.08549500 |
| C | -2.09721400 | 1.97618300 | -0.07864400 | C | 0.19299900 | 2.88759600 | 0.17512400 |
| C | -0.84396800 | 1.54591100 | 0.18225100 | C | -0.45835500 | 1.72596800 | 0.35935000 |
| C | -0.27845600 | 0.51455500 | -0.75641900 | C | 0.31763400 | 0.47229900 | 0.64941700 |
| N | -1.34824000 | -0.42417800 | -1.09438700 | N | 1.68966300 | 0.55169000 | 0.10671800 |
| H | -3.23095800 | -0.61584000 | -1.99455800 | H | 3.37364900 | 1.73631700 | -0.28888400 |
| H | -3.88964400 | 1.73241600 | -1.36648700 | H | 2.16473500 | 3.89070500 | 0.02349900 |
| H | -0.26113900 | 1.90681500 | 1.02051800 | H | -1.54217800 | 1.67288200 | 0.33080900 |
| H | 0.06542700 | 1.00219100 | -1.68667700 | H | 0.34874600 | 0.29922200 | 1.73327600 |
| C | 0.82392000 | -0.43449800 | -0.29217800 | C | -0.22325100 | -0.79475500 | -0.05106700 |
| C | -2.68531600 | 3.02617700 | 0.71339700 | C | -0.54630200 | 4.10562800 | -0.03434300 |
| N | -3.17297000 | 3.87404400 | 1.33260500 | N | -1.12084800 | 5.09745400 | -0.19564900 |
| C | 2.21518600 | 0.08742500 | -0.16064400 | C | -1.70621200 | -0.99980700 | -0.04415700 |
| C | 3.25781600 | -0.79682600 | 0.13885600 | C | -2.42883500 | -0.79285600 | -1.22300000 |
| C | 2.51066200 | 1.44528800 | -0.30485000 | C | -2.39764500 | -1.31463400 | 1.13071400 |
| C | 4.56209400 | -0.33860500 | 0.27939100 | C | -3.81460300 | -0.92311800 | -1.23325000 |
| H | 3.03782100 | -1.85369300 | 0.26180000 | H | -1.88791900 | -0.51570200 | -2.12204300 |
| C | 3.81780600 | 1.90515900 | -0.16872700 | C | -3.78369600 | -1.43694700 | 1.11900100 |
| H | 1.71867500 | 2.15404200 | -0.52805800 | H | -1.83094900 | -1.47580400 | 2.04143100 |
| C | 4.84733600 | 1.01638500 | 0.12383300 | C | -4.49596800 | -1.24553500 | -0.06264800 |
| H | 5.35824800 | -1.03947200 | 0.50962400 | H | -4.36310500 | -0.76402500 | -2.15624600 |
| H | 4.02943500 | 2.96275600 | -0.28883700 | H | -4.30925000 | -1.68358100 | 2.03621800 |
| H | 5.86511500 | 1.37627300 | 0.23315000 | H | -5.57698500 | -1.34188500 | -0.06958700 |
| C | 0.55335600 | -1.65991600 | -0.94235700 | C | 0.54314300 | -0.95014300 | -1.22088400 |
| H | 1.22371700 | -2.50461300 | -0.99798400 | H | 0.34898400 | -1.69851000 | -1.97767400 |
| C | -0.89770100 | -1.76732500 | -0.96253300 | C | 1.88574100 | -0.51062700 | -0.84977600 |
| H | -1.41202900 | -2.47874300 | -1.61965700 | H | 2.62284200 | -0.26695800 | -1.62455800 |
| N | -1.39556100 | -2.25268100 | 0.55546700 | N | 2.61687700 | -1.68582900 | 0.01022300 |
| C | -1.05528300 | -3.66375100 | 0.75574700 | C | 2.89778700 | -2.84624400 | -0.84370000 |
| H | -0.00213300 | -3.80358700 | 0.50962200 | H | 3.63098100 | -2.57222500 | -1.60942600 |
| H | -1.22874500 | -3.95238100 | 1.79473300 | H | 3.29533400 | -3.66610800 | -0.24215000 |
| H | -1.67115700 | -4.29073800 | 0.10209100 | H | 1.96954400 | -3.15802900 | -1.32161700 |

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|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| C | 3.81397500 | -1.22772000 | 0.72755100 | C | -2.93324000 | 1.68243000 | -0.19266800 |
| H | 3.53347800 | -0.41992400 | 1.40127000 | C | -3.14604600 | 0.22755900 | -0.40970300 |
| H | 4.24646000 | -2.05141700 | 1.29961200 | C | -2.40962300 | -0.84684200 | -0.05197400 |
| H | 4.55582600 | -0.86785900 | 0.00578700 | C | -1.06386900 | -0.97990800 | 0.67342800 |
| O | 0.35243000 | -1.92324400 | 1.20911300 | C | -0.56057100 | 0.37491300 | 1.05380200 |
| H | -0.05146900 | -2.75874400 | 0.93711700 | N | -1.84556400 | 2.29875800 | -0.16389700 |
| H | 1.76894200 | -1.91562000 | 0.68068100 | H | -3.88019800 | 2.21574400 | -0.00374700 |
| | | | | H | -4.12068100 | 0.00519200 | -0.84021600 |
| | | | | H | -1.30336800 | -1.56155600 | 1.58335000 |
| TS-N | | | | H | -1.29157300 | 0.95679400 | 1.60217100 |
| | | | | C | 0.55977700 | 1.00780800 | 0.62914200 |
| C | 2.80344800 | 1.67638000 | 0.13369900 | C | -3.00091200 | -2.13565500 | -0.32710100 |
| C | 3.36488500 | 0.42426000 | 0.09297100 | N | -3.48254200 | -3.16877200 | -0.52844800 |
| C | 2.62402800 | -0.74511000 | -0.07503000 | C | 1.80766300 | 0.31242400 | 0.22753700 |
| C | 1.15455000 | -0.77129000 | 0.22712900 | C | 2.48597900 | 0.64844000 | -0.94911200 |
| C | 0.54361000 | 0.55497700 | -0.14294800 | C | 2.35472600 | -0.67313000 | 1.06181100 |
| N | 1.43563400 | 1.72247900 | -0.23480400 | C | 3.66252800 | -0.00609100 | -1.29749800 |
| H | 3.31998500 | 2.62137000 | 0.10055800 | H | 2.06619000 | 1.40793100 | -1.60168000 |
| H | 4.44614000 | 0.35170700 | 0.15404800 | C | 3.52795500 | -1.33423400 | 0.70825700 |
| H | 0.66215300 | -1.56113000 | -0.35069700 | H | 1.85999300 | -0.89477500 | 2.00471700 |
| H | 1.28820300 | 1.11379900 | -1.26500600 | C | 4.18395600 | -1.00214900 | -0.47443300 |
| C | -0.75322300 | 1.03916000 | -0.19634000 | H | 4.16997300 | 0.25432000 | -2.22080600 |
| C | 3.27480400 | -2.00112600 | -0.18878800 | H | 3.93741300 | -2.09622900 | 1.36369500 |
| N | 3.78632800 | -3.03697900 | -0.31948000 | H | 5.10037400 | -1.51300900 | -0.75067500 |
| C | -1.97570100 | 0.22227100 | -0.16320300 | C | 0.47590000 | 2.43031400 | 0.36497900 |
| C | -3.07821500 | 0.65830500 | 0.58268600 | H | 1.36180800 | 3.05735700 | 0.38483400 |
| C | -2.06306200 | -0.99308200 | -0.85362500 | C | -0.68306000 | 2.95664100 | -0.13526800 |
| C | -4.23663300 | -0.10677400 | 0.64238600 | H | -0.68307800 | 3.96925900 | -0.54290300 |
| H | -3.01226200 | 1.59175900 | 1.13432000 | O | -0.26085300 | -1.72572300 | -0.20323900 |
| C | -3.22064600 | -1.76167200 | -0.78330300 | H | 0.59973300 | -1.88026800 | 0.20640400 |
| H | -1.23465300 | -1.31821900 | -1.47543700 | | | | |
| C | -4.30948400 | -1.32198300 | -0.03567900 | | | | |
| H | -5.08130800 | 0.24133700 | 1.22776600 | TS-P | | | |
| H | -3.27453100 | -2.70029900 | -1.32479500 | | | | |
| H | -5.21231800 | -1.92117000 | 0.01578800 | C | 2.81304300 | 1.67122500 | 0.15704300 |
| C | -0.68464300 | 2.45902500 | -0.29050100 | C | 3.35182200 | 0.40194500 | 0.16467800 |
| H | -1.53807200 | 3.11467600 | -0.39931200 | C | 2.62564600 | -0.76204300 | -0.01516600 |
| C | 0.61749600 | 2.85816200 | -0.31712200 | C | 1.12601400 | -0.78188400 | -0.03491100 |
| H | 1.07456900 | 3.83039800 | -0.41152200 | C | 0.58995100 | 0.62417000 | -0.18845800 |
| O | 0.95101700 | -1.00422300 | 1.61693200 | N | 1.45016300 | 1.74023800 | -0.20552100 |
| H | 0.03293900 | -1.27794700 | 1.74482700 | H | 3.33706600 | 2.60879900 | 0.23460100 |
| | | | | H | 4.42287500 | 0.31952900 | 0.32225700 |
| TS-O | | | | H | 0.76601100 | -1.40588400 | -0.86463400 |
| | | | | H | 1.26348800 | 2.21637500 | -1.29621500 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -0.71117900 | 1.09006100 | -0.16728700 | C | -4.16866200 | -1.31803500 | -0.06551400 |
| C | 3.27648000 | -2.02279000 | -0.04136900 | H | -3.23284500 | -2.42807200 | 1.52305300 |
| N | 3.79412600 | -3.06252600 | -0.09432200 | H | -4.84947700 | -0.02258200 | -1.64543800 |
| C | -1.92870600 | 0.25588800 | -0.13544200 | H | -5.06386000 | -1.93145600 | -0.07422600 |
| C | -2.97831300 | 0.60376200 | 0.72126400 | C | -0.74636400 | 2.52052200 | -0.16773100 |
| C | -2.05644200 | -0.88193400 | -0.94003800 | H | -1.62461200 | 3.05440100 | 0.18112700 |
| C | -4.12836000 | -0.17531300 | 0.77934500 | C | 0.48456500 | 3.14720400 | -0.36625600 |
| H | -2.87654000 | 1.47673600 | 1.35940600 | H | 0.66355700 | 4.15448800 | 0.00470800 |
| C | -3.20582700 | -1.66400600 | -0.87562100 | O | 1.11608000 | -1.24935000 | 1.67370900 |
| H | -1.26529800 | -1.13898100 | -1.63766100 | H | 1.78737400 | -0.75151700 | 2.15809200 |
| C | -4.24301100 | -1.31347600 | -0.01545000 | | | | |
| H | -4.93234500 | 0.10109100 | 1.45339700 | | | | |
| H | -3.29307000 | -2.54315700 | -1.50534800 | | | | |
| H | -5.13817200 | -1.92428600 | 0.03435200 | | | | |
| C | -0.69853700 | 2.50682600 | -0.18980800 | C | 3.24113800 | 1.39909600 | -0.37147400 |
| H | -1.56474600 | 3.14775200 | -0.26775800 | C | 3.63891400 | 1.92561000 | -1.76403000 |
| C | 0.60814400 | 2.93403800 | -0.23029800 | B | 1.49197500 | 1.08740100 | -1.88076200 |
| H | 1.09342800 | 3.89359200 | -0.13988200 | O | 2.06052500 | 0.66861700 | -0.59959300 |
| O | 0.63397700 | -1.33744600 | 1.18301500 | O | 2.44395800 | 1.92996100 | -2.49718400 |
| H | -0.23888500 | -1.71478600 | 1.01137400 | C | 3.20162000 | -1.96971000 | -1.67470200 |

TS-R

| | | | | | | | |
|-------------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| TS-Q | | | | | | | |
| C | 2.84773600 | 1.44806700 | 0.35288400 | C | -0.31953600 | -2.37109600 | 1.31344600 |
| C | 3.31804000 | 0.20711600 | -0.18653000 | C | -1.62398700 | -2.69059000 | 1.42911600 |
| C | 2.45540800 | -0.83819800 | -0.30001100 | C | -2.49348700 | -2.38827400 | 0.29259700 |
| C | 1.08613500 | -0.74517400 | 0.34436500 | C | -2.10798300 | -1.50498400 | -0.65092700 |
| C | 0.63952400 | 0.68668700 | 0.24332100 | C | -0.84259900 | -0.72705100 | -0.37987100 |
| N | 1.55993700 | 1.66706900 | 0.47864800 | N | 0.13400300 | -1.61399800 | 0.23903000 |
| H | 3.53185900 | 2.23494500 | 0.64944200 | H | 0.44041400 | -2.73624600 | 2.00006400 |
| H | 4.35734700 | 0.10615200 | -0.48264900 | H | -1.98705500 | -3.28446800 | 2.25680900 |
| H | 0.37041300 | -1.38127700 | -0.18043900 | H | -2.68130600 | -1.34455300 | -1.55653000 |
| H | 1.08762800 | 2.87135900 | -1.22376500 | H | -0.35204400 | -0.22973000 | -1.34898400 |
| C | -0.66667600 | 1.12751600 | -0.04660300 | C | -1.13877500 | 0.51840600 | 0.38932100 |
| C | 2.85389000 | -2.07961200 | -0.88684900 | C | -3.71688400 | -3.13363000 | 0.14927700 |
| N | 3.15621000 | -3.09053900 | -1.36664200 | N | -4.70413500 | -3.73197000 | 0.06333000 |
| C | -1.85590000 | 0.25631200 | -0.04670500 | H | 4.01290900 | 0.75861800 | 0.07904100 |
| C | -1.98790400 | -0.81860300 | 0.84425900 | H | 4.37807000 | 1.25983800 | -2.23596400 |
| C | -2.90150300 | 0.53690800 | -0.93584100 | H | 4.07418300 | 2.92987500 | -1.71997400 |
| C | -3.13835100 | -1.60018900 | 0.82812400 | H | 3.04435700 | 2.23456800 | 0.32336300 |
| H | -1.19716600 | -1.02384200 | 1.56026800 | H | 3.85859600 | -3.42378100 | -0.15627600 |
| C | -4.04984500 | -0.24532200 | -0.94659000 | H | 4.52162200 | -1.79043700 | 0.08886900 |
| H | -2.79245100 | 1.36529400 | -1.62983600 | H | 3.52617200 | -2.68887600 | -2.42939200 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 3.55026800 | -0.96966200 | -1.95456600 | C | 3.09762700 | 2.28984700 | 1.20893400 |
| O | 0.33029700 | 0.72773900 | -2.31013200 | H | 2.21348000 | 0.35737000 | 1.52788500 |
| C | -2.34756600 | 1.25147300 | -0.06601500 | C | 1.83785600 | 3.81004300 | -0.16755200 |
| C | -2.52001200 | 1.55317400 | -1.42437200 | H | -0.05283700 | 3.07708700 | -0.89369500 |
| C | -3.31253800 | 1.64462500 | 0.86665700 | C | 2.97285100 | 3.53124500 | 0.58915600 |
| C | -3.65758500 | 2.24453600 | -1.82746700 | H | 3.98780300 | 2.05342000 | 1.78295000 |
| H | -1.73506500 | 1.28826700 | -2.13130100 | H | 1.73645400 | 4.77252900 | -0.65936000 |
| C | -4.45443700 | 2.31886800 | 0.44792500 | H | 3.76078900 | 4.27090300 | 0.68618800 |
| H | -3.17852000 | 1.38980100 | 1.91425600 | C | -0.46708700 | -0.23242900 | 1.29237800 |
| C | -4.62694800 | 2.62082000 | -0.90013300 | H | 0.07815100 | -0.07953400 | 2.21918400 |
| H | -3.78443000 | 2.49345000 | -2.87606400 | C | -0.78949200 | -1.67798000 | 0.95058200 |
| H | -5.20995000 | 2.60366800 | 1.17307200 | H | -0.79212400 | -2.32370800 | 1.84719400 |
| H | -5.51600300 | 3.15070900 | -1.22708100 | N | -2.04227600 | -1.81398400 | 0.21221500 |
| C | -0.39523200 | 1.13737700 | 1.36961300 | C | -3.14688000 | -1.72343500 | 1.16269800 |
| H | -0.74756100 | 2.10809000 | 1.70307000 | H | -3.04714600 | -0.81534200 | 1.75941200 |
| C | 0.85402400 | 0.68307900 | 1.83763100 | H | -4.09349800 | -1.68090500 | 0.61539200 |
| H | 1.24216800 | -0.27586700 | 1.53398100 | H | -3.17648300 | -2.59934100 | 1.83558100 |
| N | 1.64448300 | 1.36606300 | 2.63278700 | C | -2.12433300 | -3.07192800 | -0.52037900 |
| C | 1.30649300 | 2.70758300 | 3.10126200 | H | -2.01833300 | -3.94989000 | 0.14208100 |
| H | 0.36954200 | 2.69034400 | 3.66271800 | H | -3.10054100 | -3.12529500 | -1.00821000 |
| H | 2.10431400 | 3.06166600 | 3.75270100 | H | -1.34914700 | -3.12132400 | -1.28551300 |
| H | 1.20486800 | 3.38759600 | 2.25085300 | C | 1.41649100 | -2.69196300 | 0.78056000 |
| C | 2.94671100 | 0.82611500 | 3.01274100 | C | 2.71415700 | -2.49176700 | 0.45867900 |
| H | 3.08494200 | -0.14106300 | 2.52588900 | C | 3.02202800 | -1.54255600 | -0.58585500 |
| H | 3.73497400 | 1.50973900 | 2.68523400 | C | 2.01279400 | -0.87789400 | -1.22391100 |
| H | 3.00041900 | 0.70815900 | 4.09854300 | C | 0.65369300 | -1.03532800 | -0.81139900 |
| | | | | N | 0.37457600 | -2.06544300 | 0.13092800 |
| | | | | H | 1.11888100 | -3.38262700 | 1.56282900 |
| | | | | H | 3.50101800 | -3.04183100 | 0.95609900 |
| | | | | H | 2.22851100 | -0.16331800 | -2.01035600 |
| C | -4.36466700 | 1.42921900 | 0.40884200 | C | 4.39013300 | -1.30724200 | -0.94795900 |
| C | -4.57886400 | 1.03315400 | -1.07099800 | N | 5.50003900 | -1.12676600 | -1.22564800 |
| B | -2.38371100 | 0.98290200 | -0.57438100 | H | -0.12518100 | -0.89802200 | -1.55829400 |
| O | -2.97683400 | 1.21846800 | 0.64520900 | | | | |
| O | -3.27145200 | 0.95913200 | -1.62148200 | | | | |
| C | -0.10712500 | 0.57959400 | 0.17942800 | | | | |
| H | -4.60114700 | 2.48200100 | 0.59405100 | | | | |
| H | -5.17106600 | 1.76885600 | -1.62121600 | C | 4.63268500 | -0.48815800 | -1.13047700 |
| H | -5.06486300 | 0.05526200 | -1.16666300 | C | 4.26128100 | -0.83667700 | 0.32702900 |
| H | -4.95189600 | 0.81372800 | 1.09727500 | B | 2.38459700 | -0.60143800 | -0.92626400 |
| O | -1.04768400 | 0.89776200 | -0.80545700 | O | 3.41005800 | -0.58050600 | -1.84957500 |
| C | 0.93629000 | 1.62067200 | 0.33467800 | O | 2.84436700 | -0.70848700 | 0.37998200 |
| C | 2.09303300 | 1.33922400 | 1.07497100 | C | -3.10771000 | -1.55380500 | -0.56964200 |
| C | 0.82801400 | 2.86217700 | -0.29944300 | C | -4.07206900 | -0.63393800 | -0.78826000 |

TS-S

| | | | |
|---|-------------|------------|-------------|
| C | -4.36466700 | 1.42921900 | 0.40884200 |
| C | -4.57886400 | 1.03315400 | -1.07099800 |
| B | -2.38371100 | 0.98290200 | -0.57438100 |
| O | -2.97683400 | 1.21846800 | 0.64520900 |
| O | -3.27145200 | 0.95913200 | -1.62148200 |
| C | -0.10712500 | 0.57959400 | 0.17942800 |
| H | -4.60114700 | 2.48200100 | 0.59405100 |
| H | -5.17106600 | 1.76885600 | -1.62121600 |
| H | -5.06486300 | 0.05526200 | -1.16666300 |
| H | -4.95189600 | 0.81372800 | 1.09727500 |
| O | -1.04768400 | 0.89776200 | -0.80545700 |
| C | 0.93629000 | 1.62067200 | 0.33467800 |
| C | 2.09303300 | 1.33922400 | 1.07497100 |
| C | 0.82801400 | 2.86217700 | -0.29944300 |

TS-T

| | | | |
|---|-------------|-------------|-------------|
| C | 4.63268500 | -0.48815800 | -1.13047700 |
| C | 4.26128100 | -0.83667700 | 0.32702900 |
| B | 2.38459700 | -0.60143800 | -0.92626400 |
| O | 3.41005800 | -0.58050600 | -1.84957500 |
| O | 2.84436700 | -0.70848700 | 0.37998200 |
| C | -3.10771000 | -1.55380500 | -0.56964200 |
| C | -4.07206900 | -0.63393800 | -0.78826000 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.77755500 | 0.74616900 | -0.40566000 | C | -4.64831200 | -0.65251800 | -1.31169300 |
| C | -2.51678000 | 1.15763800 | -0.16475100 | C | -4.45607000 | -0.60184500 | 0.21972500 |
| C | -1.40420800 | 0.20246900 | -0.52075700 | B | -2.48329200 | -0.28012400 | -0.82453000 |
| N | -1.81934600 | -1.17939700 | -0.27295500 | O | -3.39713100 | -0.23436800 | -1.84729200 |
| H | -3.28340300 | -2.62600200 | -0.58224200 | O | -3.04162600 | -0.56374400 | 0.40144500 |
| H | -5.07400800 | -0.91845200 | -1.07728100 | C | 2.55821900 | 2.31037400 | 0.40078800 |
| H | -2.30040200 | 2.13597500 | 0.25158200 | C | 3.62504300 | 1.79861400 | -0.25337100 |
| H | -1.13694900 | 0.31596200 | -1.58361500 | C | 3.51453800 | 0.42373400 | -0.73236700 |
| C | -0.14691100 | 0.32428600 | 0.31901600 | C | 2.32759700 | -0.21535000 | -0.80504700 |
| C | -4.88273900 | 1.63742000 | -0.15920600 | C | 1.08091900 | 0.58814400 | -0.56489100 |
| N | -5.77874600 | 2.34559000 | 0.02814600 | N | 1.37901400 | 1.62134900 | 0.42973100 |
| H | 5.02498300 | 0.53131000 | -1.21623300 | H | 2.57745800 | 3.24361400 | 0.95547300 |
| H | 4.71825500 | -0.15723000 | 1.05165800 | H | 4.56610300 | 2.32652000 | -0.30321700 |
| H | 4.53756800 | -1.86482100 | 0.58590100 | H | 2.25636500 | -1.26297600 | -1.07544400 |
| H | 5.36423800 | -1.18038400 | -1.55488800 | H | 0.75431600 | 1.05853100 | -1.50697400 |
| O | 1.08548200 | -0.52717800 | -1.29150300 | C | -0.20037800 | -0.12871300 | 0.00069900 |
| C | 0.58508000 | 1.59480400 | 0.43963300 | C | 4.72798800 | -0.28756400 | -1.04563400 |
| C | 1.44072300 | 1.83840500 | 1.51997700 | N | 5.71107600 | -0.84285100 | -1.29964400 |
| C | 0.43744600 | 2.57959700 | -0.54514400 | H | -4.86601500 | -1.66728400 | -1.66169000 |
| C | 2.13536100 | 3.03805300 | 1.61021100 | H | -4.86720500 | -1.47614600 | 0.72919900 |
| H | 1.56023800 | 1.08396900 | 2.29040100 | H | -4.89484300 | 0.30112000 | 0.65800600 |
| C | 1.13094600 | 3.78039200 | -0.45177000 | H | -5.43972700 | 0.01494200 | -1.66048500 |
| H | -0.20949400 | 2.39601400 | -1.39772700 | O | -1.16531900 | -0.05831100 | -1.05739100 |
| C | 1.98159500 | 4.01241700 | 0.62567700 | C | 0.04558500 | -1.58537700 | 0.37676700 |
| H | 2.79390400 | 3.21681500 | 2.45399600 | C | 0.74117100 | -1.88002200 | 1.55170300 |
| H | 1.00892500 | 4.53362700 | -1.22283500 | C | -0.33608100 | -2.62808000 | -0.46739400 |
| H | 2.52108900 | 4.95102400 | 0.70059500 | C | 1.03420300 | -3.19742000 | 1.88659900 |
| C | 0.03087700 | -0.81667300 | 1.04505000 | H | 1.05233500 | -1.06783600 | 2.20310200 |
| H | 0.85922900 | -1.00582200 | 1.71648500 | C | -0.04412200 | -3.94784900 | -0.12937800 |
| C | -1.08607700 | -1.80888500 | 0.82235100 | H | -0.85098100 | -2.40731000 | -1.39672100 |
| H | -1.69923200 | -1.83947300 | 1.74089100 | C | 0.63861300 | -4.23658900 | 1.04768000 |
| N | -0.76466200 | -3.19043000 | 0.52780600 | H | 1.57386300 | -3.41263200 | 2.80316700 |
| C | 0.21448800 | -3.36387500 | -0.53548700 | H | -0.34914800 | -4.75131900 | -0.79231100 |
| H | 1.23544200 | -3.09839000 | -0.21131500 | H | 0.86688400 | -5.26504100 | 1.30798300 |
| H | 0.21061700 | -4.41213100 | -0.84739800 | C | -0.55035200 | 0.72194500 | 1.19450500 |
| H | -0.04750600 | -2.73104800 | -1.38326500 | H | -1.37560200 | 0.48974000 | 1.85072400 |
| C | -0.39977300 | -3.93841500 | 1.71744000 | C | 0.33294900 | 1.76662900 | 1.34159800 |
| H | -1.17875700 | -3.83785000 | 2.47862000 | H | 0.53186900 | 2.29689100 | 2.26544500 |
| H | -0.30976800 | -4.99686600 | 1.45908100 | N | -0.64773500 | 3.40902600 | 0.69219900 |
| H | 0.56211300 | -3.61735000 | 2.15532100 | C | -0.79066400 | 3.33804000 | -0.74638600 |
| | | | | H | -1.42541000 | 2.50780500 | -1.09057700 |
| | | | | H | -1.25183200 | 4.27327800 | -1.09507500 |
| | | | | H | 0.19491900 | 3.25899900 | -1.21277600 |
| | | | | C | -1.94090900 | 3.43033500 | 1.34343400 |

TS-U

| | | | | | | | |
|---|-------------|------------|------------|---|-------------|-------------|-------------|
| H | -1.82038900 | 3.27494600 | 2.42041800 | H | -1.31453700 | -2.64785700 | 2.54620100 |
| H | -2.39088200 | 4.42193800 | 1.19650800 | O | 2.55004800 | -2.58742600 | -1.10857200 |
| H | -2.64913100 | 2.68262400 | 0.95375200 | H | 2.89502500 | -3.09189700 | -0.36095700 |
| | | | | H | 1.38286300 | -2.28325600 | -1.03585800 |

TS-V

| | | | |
|---|-------------|-------------|-------------|
| C | 4.08420300 | 0.58540200 | -0.84743200 |
| C | 3.71075400 | 0.32679000 | 0.62852900 |
| B | 2.53316200 | -1.07976100 | -0.73435200 |
| O | 3.17053700 | -0.18920100 | -1.60439900 |
| O | 2.95680700 | -0.87784600 | 0.59884100 |
| C | -3.36470100 | -1.73633500 | 0.91003000 |
| C | -4.17088100 | -0.98387700 | 0.13207000 |
| C | -3.54425400 | 0.04722100 | -0.69135400 |
| C | -2.21006700 | 0.09853300 | -0.88122800 |
| C | -1.36584700 | -1.03198000 | -0.37365300 |
| N | -2.00552400 | -1.64176500 | 0.79629300 |
| H | -3.73473900 | -2.41230100 | 1.67470800 |
| H | -5.24656300 | -1.05529100 | 0.19992400 |
| H | -1.74077000 | 0.91148400 | -1.42361900 |
| H | -1.25324300 | -1.80645600 | -1.15435900 |
| C | 0.09405100 | -0.72887300 | 0.11274900 |
| C | -4.38668100 | 1.07859300 | -1.24220100 |
| N | -5.08228100 | 1.89155700 | -1.68285700 |
| H | 3.98261400 | 1.64297700 | -1.11374200 |
| H | 3.09494500 | 1.13763700 | 1.03673800 |
| H | 4.58871400 | 0.19373600 | 1.26761100 |
| H | 5.11097200 | 0.26753800 | -1.06730100 |
| O | 0.96418700 | -1.13486300 | -0.94399600 |
| C | 0.34761800 | 0.74602300 | 0.40263200 |
| C | 0.04728700 | 1.28530000 | 1.65314200 |
| C | 0.83707200 | 1.58535100 | -0.60421900 |
| C | 0.25551600 | 2.63900900 | 1.90548400 |
| H | -0.33814300 | 0.63986200 | 2.43611500 |
| C | 1.04475000 | 2.93806000 | -0.34812100 |
| H | 1.08773400 | 1.16832200 | -1.57422800 |
| C | 0.75864600 | 3.46835200 | 0.90745100 |
| H | 0.02553900 | 3.04448500 | 2.88564500 |
| H | 1.43229500 | 3.57825000 | -1.13456200 |
| H | 0.92405800 | 4.52238300 | 1.10577900 |
| C | 0.19023600 | -1.61359100 | 1.34380600 |
| H | 1.10893700 | -1.73158400 | 1.89929700 |
| C | -1.02595500 | -2.05616200 | 1.68486800 |

TS-W

| | | | |
|---|-------------|-------------|-------------|
| C | 2.97202000 | -1.24340300 | -0.43659400 |
| C | 3.41951300 | 0.01564000 | -0.29680700 |
| C | 2.47611200 | 1.09400500 | 0.00425100 |
| C | 1.18276400 | 0.80714100 | 0.29948300 |
| C | 0.76054000 | -0.56914500 | 0.42395300 |
| N | 1.62906900 | -1.53134900 | -0.23083500 |
| H | 3.59704800 | -2.07517900 | -0.74106200 |
| H | 4.46636000 | 0.24252700 | -0.44874700 |
| H | 0.46453800 | 1.59255500 | 0.51644700 |
| H | 0.42495700 | -0.97949200 | 1.69459500 |
| C | -0.62944000 | -1.12554500 | 0.26804700 |
| C | 2.93315800 | 2.45189600 | -0.02881800 |
| N | 3.31780500 | 3.54428600 | -0.05990300 |
| O | -0.70231700 | -1.48146700 | 2.00477900 |
| C | -1.80759300 | -0.23068500 | 0.05691000 |
| C | -2.33534000 | -0.13693000 | -1.23417200 |
| C | -2.32797500 | 0.58174300 | 1.06868800 |
| C | -3.37728600 | 0.74361000 | -1.50695600 |
| H | -1.91504200 | -0.75128000 | -2.02475400 |
| C | -3.36262700 | 1.46839100 | 0.78850400 |
| H | -1.93520500 | 0.48964800 | 2.07447500 |
| C | -3.89207500 | 1.55079500 | -0.49689100 |
| H | -3.78215000 | 0.80297700 | -2.51210200 |
| H | -3.76217200 | 2.09227600 | 1.58160300 |
| H | -4.70163600 | 2.24138800 | -0.70971200 |
| C | -0.45208800 | -2.35947800 | -0.46871900 |
| H | -1.25500000 | -2.99588500 | -0.80968700 |
| C | 0.88813000 | -2.55827300 | -0.69554000 |
| H | 1.37143100 | -3.38954100 | -1.19456000 |
| H | -0.66957600 | -2.44739100 | 2.09842200 |

TS-X

| | | | |
|---|------------|------------|------------|
| C | 2.70925500 | 0.64848100 | 0.80895000 |
| C | 2.65289900 | 1.97377800 | 0.43879600 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 1.41524300 | 2.45382900 | -0.07989000 | H | 3.55661100 | -0.85453500 | 1.07041200 |
| C | 0.32170200 | 1.61322700 | -0.14965500 | H | 4.17095700 | 1.45116100 | 0.28401700 |
| C | 0.44033300 | 0.27984800 | 0.29678300 | H | -0.02860700 | 2.26125800 | -0.36138900 |
| N | 1.66346400 | -0.18296900 | 0.72670700 | C | -0.73479300 | -0.40655400 | 0.59271300 |
| H | 3.63358100 | 0.22175700 | 1.19217900 | C | 2.41776700 | 3.32861500 | -0.56341300 |
| H | 3.51876600 | 2.61837800 | 0.50856600 | N | 2.69113200 | 4.38302100 | -0.95799800 |
| H | -0.61777400 | 1.96638600 | -0.55937500 | C | -2.08810700 | 0.07106200 | 0.27533100 |
| C | -0.59596700 | -0.70370500 | 0.36211900 | C | -2.50698800 | 1.36098100 | 0.62430900 |
| C | 1.30544100 | 3.80892800 | -0.54078600 | C | -2.99034000 | -0.77599400 | -0.37956100 |
| N | 1.22680700 | 4.90360600 | -0.91165900 | C | -3.79047500 | 1.79600100 | 0.31127100 |
| C | -2.02665700 | -0.40159200 | 0.18053500 | H | -1.83076400 | 2.01149600 | 1.17171200 |
| C | -2.61217600 | 0.77266600 | 0.67722900 | C | -4.27536700 | -0.34321500 | -0.68331500 |
| C | -2.85322300 | -1.33528300 | -0.46001800 | H | -2.66414600 | -1.77186600 | -0.66718500 |
| C | -3.97129400 | 1.01416100 | 0.51279100 | C | -4.67819100 | 0.94654700 | -0.34350600 |
| H | -2.00021000 | 1.48369900 | 1.22383600 | H | -4.10125700 | 2.79756700 | 0.59078000 |
| C | -4.21322600 | -1.09593300 | -0.61876100 | H | -4.96151700 | -1.01024600 | -1.19552100 |
| H | -2.40828600 | -2.24846700 | -0.84521500 | H | -5.67968300 | 1.28643600 | -0.58603100 |
| C | -4.77731300 | 0.08350300 | -0.13871100 | C | -0.37514900 | -1.67508300 | 1.04544900 |
| H | -4.40459600 | 1.92760600 | 0.90782800 | H | -1.05800800 | -2.47953000 | 1.28166300 |
| H | -4.83372700 | -1.82911100 | -1.12465900 | C | 1.03192500 | -1.76131000 | 1.13545300 |
| H | -5.83808600 | 0.27358400 | -0.26598500 | H | 1.60863300 | -2.42888200 | 1.76043500 |
| C | -0.15716100 | -1.95708900 | 0.76504900 | N | 1.78403300 | -2.74842000 | -0.51623700 |
| H | -0.81153100 | -2.64621700 | 1.28907000 | C | 1.35127000 | -1.98109100 | -1.66331800 |
| C | 1.26825500 | -2.20163500 | 0.78018700 | H | 1.85222700 | -1.00879600 | -1.68539600 |
| H | 1.73699800 | -2.54304100 | 1.70603300 | H | 1.62765800 | -2.51910200 | -2.58209100 |
| N | 1.96163600 | -2.58348000 | -0.31487700 | H | 0.25954400 | -1.82135600 | -1.69771500 |
| C | 1.46858300 | -2.23289900 | -1.63543000 | C | 1.10673900 | -4.02793600 | -0.48618600 |
| H | 0.39585800 | -2.42125200 | -1.68112200 | H | 1.52340900 | -4.67516000 | -1.27108100 |
| H | 1.65279800 | -1.17153500 | -1.85263900 | H | 1.27763700 | -4.52347100 | 0.47539600 |
| H | 1.98416500 | -2.84638100 | -2.37712300 | H | 0.02014300 | -3.96111900 | -0.66183900 |
| C | 3.40661900 | -2.66637200 | -0.21103000 | | | | |
| H | 3.86845800 | -1.69249200 | -0.42239500 | | | | |
| H | 3.68520600 | -2.97814800 | 0.79801500 | | | | |
| H | 3.78714600 | -3.39834600 | -0.92714900 | | | | |

TS-Y

| | | | |
|---|------------|-------------|-------------|
| C | 2.82684100 | -0.10636900 | 0.78806700 |
| C | 3.13713100 | 1.13739600 | 0.34403200 |
| C | 2.08874600 | 2.02394800 | -0.07150200 |
| C | 0.77067300 | 1.61560300 | -0.01606500 |
| C | 0.46009300 | 0.33983100 | 0.47071200 |
| N | 1.51290700 | -0.49295100 | 0.87295200 |

TS-Z

| | | | |
|---|-------------|-------------|-------------|
| C | 2.91550000 | -1.74057000 | 2.04845000 |
| C | 4.01106800 | -0.72364300 | 1.68671800 |
| B | 2.00461200 | -0.01484600 | 0.96353000 |
| O | 1.70120800 | -1.02905800 | 1.82628100 |
| O | 3.35802900 | 0.17668700 | 0.79018400 |
| C | 1.46332500 | 2.19039600 | 0.14482600 |
| C | 0.60787500 | 3.21352400 | -0.02035800 |
| C | -0.81214900 | 2.92589400 | 0.05275500 |
| C | -1.25052300 | 1.64420400 | 0.16163800 |
| C | -0.32851900 | 0.53071900 | 0.17735000 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| N | 1.03670600 | 0.88409200 | 0.37403100 | C | 1.75245600 | 1.53218900 | -1.13312400 |
| H | 2.53973100 | 2.31996300 | 0.15226500 | C | 1.19115800 | 2.75386000 | -1.02642300 |
| H | 0.96312600 | 4.22144200 | -0.18400400 | C | -0.10739100 | 2.93462100 | -0.44891300 |
| H | -2.31182500 | 1.43311700 | 0.13633900 | C | -0.82018600 | 1.79400400 | -0.12157700 |
| C | -0.72493400 | -0.76183000 | -0.09642000 | C | -0.27500100 | 0.52429000 | -0.28985000 |
| C | -1.75742800 | 4.00207400 | -0.04300100 | N | 1.10650400 | 0.34786800 | -0.66817700 |
| N | -2.50607100 | 4.88242300 | -0.12019900 | H | 2.76634200 | 1.39196800 | -1.48380200 |
| H | 4.35743400 | -0.16717000 | 2.56433600 | H | 1.75750400 | 3.61712300 | -1.35753000 |
| H | 4.87202800 | -1.17584600 | 1.18913300 | H | -1.85232800 | 1.86258600 | 0.20654700 |
| H | 2.96171800 | -2.07678300 | 3.08593800 | C | -1.00959000 | -0.66045700 | -0.54560300 |
| H | 2.93786900 | -2.61398700 | 1.38530200 | C | -0.66763400 | 4.23469200 | -0.29156700 |
| C | -2.15500300 | -1.14400100 | 0.04887600 | N | -1.11789400 | 5.29669100 | -0.16137400 |
| C | -2.90090800 | -0.79626700 | 1.18361800 | H | 3.59640100 | 1.15034600 | 2.47315400 |
| C | -2.77265000 | -1.92651400 | -0.93535900 | H | 3.89782800 | -0.60244500 | 2.58045000 |
| C | -4.22854500 | -1.18889200 | 1.31356800 | H | 1.20557300 | 0.85993400 | 2.60519000 |
| H | -2.41992800 | -0.22737000 | 1.97474000 | H | 1.67082800 | -0.58064100 | 3.55205300 |
| C | -4.09854600 | -2.32436500 | -0.80441700 | C | -2.41922000 | -0.82178100 | -0.13284400 |
| H | -2.19893300 | -2.21262300 | -1.81261900 | C | -2.79419100 | -0.52893100 | 1.18322200 |
| C | -4.83358400 | -1.95340900 | 0.31887200 | C | -3.38938800 | -1.28326100 | -1.02823100 |
| H | -4.78763000 | -0.90990400 | 2.20118100 | C | -4.11313100 | -0.69280300 | 1.59358400 |
| H | -4.56106400 | -2.92201300 | -1.58382900 | H | -2.03304600 | -0.18730200 | 1.87930200 |
| H | -5.86812000 | -2.26438800 | 0.42214500 | C | -4.70690300 | -1.44672400 | -0.61656000 |
| C | 0.15563500 | -1.85584800 | -0.49779700 | H | -3.11023300 | -1.49296400 | -2.05658700 |
| H | -0.17247700 | -2.84265700 | -0.18316200 | C | -5.07257400 | -1.15242400 | 0.69531100 |
| C | 1.31074600 | -1.84273100 | -1.20726400 | H | -4.39063000 | -0.46417400 | 2.61763900 |
| H | 1.86372500 | -2.77839500 | -1.29228400 | H | -5.45233500 | -1.79780700 | -1.32305200 |
| N | 1.92013100 | -0.76705800 | -1.81837000 | H | -6.10188900 | -1.27864200 | 1.01503900 |
| C | 1.15110200 | 0.21221100 | -2.56073700 | C | -0.34235800 | -1.52677100 | -1.38985800 |
| H | 0.08877400 | 0.08493600 | -2.35801100 | H | -0.86588100 | -2.26655000 | -1.98493400 |
| H | 1.43775400 | 1.23543500 | -2.28824600 | C | 1.03608200 | -1.19907000 | -1.62634600 |
| H | 1.32141900 | 0.08134400 | -3.63872300 | H | 1.41580300 | -1.26530400 | -2.65244100 |
| C | 3.29971400 | -0.88632700 | -2.23356400 | N | 2.09204300 | -1.73331300 | -0.68547900 |
| H | 3.79668500 | -1.66180600 | -1.64724800 | C | 3.41881700 | -1.72911900 | -1.34050000 |
| H | 3.39045700 | -1.13087100 | -3.30263300 | H | 3.62200600 | -0.73506600 | -1.73984800 |
| H | 3.82387800 | 0.05681800 | -2.04474500 | H | 4.18110000 | -1.96566700 | -0.59912700 |
| | | | | H | 3.42499200 | -2.46385800 | -2.15044600 |
| | | | | C | 1.79517900 | -3.07443500 | -0.13623200 |
| | | | | H | 0.82346300 | -3.04315700 | 0.35098600 |
| | | | | H | 1.79491800 | -3.81058100 | -0.94462000 |
| | | | | H | 2.56588900 | -3.31817300 | 0.59747800 |

TS-AA

| | | | |
|---|------------|-------------|------------|
| C | 1.77168000 | -0.08200500 | 2.58474400 |
| C | 3.22920700 | 0.16592500 | 2.17062900 |
| B | 1.97444100 | -0.52980100 | 0.39585600 |
| O | 1.26986800 | -0.92049700 | 1.55364100 |
| O | 3.20323600 | 0.07173000 | 0.75152400 |

TS-AB

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 1.53438500 | 0.46471800 | 2.33614900 | H | 1.65718500 | -3.62289200 | 1.52436600 |
| C | 2.94021100 | 0.69825800 | 1.71376300 | | | | |
| B | 1.85811400 | -0.93501900 | 0.61960900 | | | | |
| O | 1.02738700 | -0.70620900 | 1.69533500 | | | | |
| O | 3.09191000 | -0.32804200 | 0.73080700 | | | | |
| C | 1.88717500 | 0.67323800 | -1.68219200 | C | -2.83753900 | -1.07262000 | -2.10383600 |
| C | 1.85424300 | 1.99778400 | -1.47633900 | C | -3.78786100 | -0.01989400 | -1.49266700 |
| C | 0.80918800 | 2.60805400 | -0.67305100 | B | -1.68237000 | 0.80054600 | -1.59169700 |
| C | -0.28986200 | 1.82803300 | -0.33258300 | O | -1.62055200 | -0.37404200 | -2.31956400 |
| C | -0.28152900 | 0.46145300 | -0.56572500 | O | -2.92897000 | 1.01789000 | -1.03864500 |
| N | 0.98519100 | -0.16700200 | -0.94804800 | C | 0.03783800 | 4.72350400 | -0.01345900 |
| H | 2.61230800 | 0.16593600 | -2.30629200 | C | -0.61160200 | 3.98818200 | 1.17408200 |
| H | 2.58604100 | 2.63062200 | -1.96505700 | B | -0.19674000 | 2.50343900 | -0.51113900 |
| H | -1.19398300 | 2.28769300 | 0.05453800 | O | 0.46586100 | 3.69247500 | -0.88239700 |
| C | -1.25328400 | -0.54288600 | -0.60256200 | O | -0.97426500 | 2.72485500 | 0.64504200 |
| C | 0.83426200 | 4.00303400 | -0.40108900 | C | 2.43715800 | 2.17819400 | 0.67062200 |
| N | 0.87004500 | 5.14052200 | -0.16584100 | C | 3.67074300 | 1.66754000 | 0.71850900 |
| H | 3.00708000 | 1.67779900 | 1.23039200 | C | 3.92898200 | 0.36753200 | 0.09615000 |
| H | 3.74612800 | 0.60377800 | 2.44653900 | C | 2.87848000 | -0.45329400 | -0.19161400 |
| H | 0.86556000 | 1.30709200 | 2.13071500 | C | 1.53806200 | 0.03231100 | 0.02720500 |
| H | 1.57174700 | 0.28835900 | 3.41414400 | N | 1.41881600 | 1.48693700 | -0.09986700 |
| C | -2.65417200 | -0.36423800 | -0.18489800 | H | 2.14448900 | 3.12098700 | 1.11573000 |
| C | -2.95698700 | 0.31295000 | 1.00193000 | H | 4.47171000 | 2.17455800 | 1.24388600 |
| C | -3.69823400 | -0.88519300 | -0.95591600 | H | 3.04543400 | -1.48480000 | -0.48427900 |
| C | -4.27912300 | 0.47868700 | 1.39983400 | H | 1.67225100 | 1.65839600 | -1.08173900 |
| H | -2.14280800 | 0.68085700 | 1.61991100 | C | 0.49263500 | -0.78086000 | 0.36202400 |
| C | -5.01922700 | -0.71785900 | -0.55651500 | C | 5.27933600 | -0.08476600 | -0.05866300 |
| H | -3.46533200 | -1.40425100 | -1.88102400 | N | 6.37688700 | -0.43691300 | -0.17704300 |
| C | -5.31340400 | -0.03338900 | 0.62073300 | H | -2.65463300 | -1.90622300 | -1.41260000 |
| H | -4.50173300 | 1.00293900 | 2.32364700 | H | -4.36456100 | -0.41383800 | -0.65050600 |
| H | -5.82184400 | -1.11821100 | -1.16772500 | H | -4.47976400 | 0.38651800 | -2.23897700 |
| H | -6.34500200 | 0.09765600 | 0.93103200 | H | -3.20721700 | -1.47801100 | -3.04924500 |
| C | -0.70122500 | -1.71613000 | -1.12020500 | H | 0.09365200 | 3.85863700 | 2.00693300 |
| H | -1.24117100 | -2.62227700 | -1.35312000 | H | -1.50080600 | 4.49805000 | 1.55571800 |
| C | 0.70392500 | -1.52789300 | -1.33495300 | H | 0.88903500 | 5.34256300 | 0.28945100 |
| H | 1.21823000 | -1.91103200 | -2.22387000 | H | -0.68800100 | 5.36445900 | -0.52926800 |
| N | 1.74178700 | -2.28965000 | -0.10958400 | O | -0.63241200 | 1.63718600 | -1.51677600 |
| C | 3.00129100 | -2.75435200 | -0.70228400 | C | 0.65671700 | -2.25441900 | 0.16272800 |
| H | 3.48103100 | -1.92892000 | -1.23195400 | C | 1.03925700 | -3.08615100 | 1.21682000 |
| H | 3.68627900 | -3.10268000 | 0.07499200 | C | 0.37428400 | -2.80660000 | -1.08982200 |
| H | 2.79505900 | -3.57264500 | -1.39926700 | C | 1.15288500 | -4.45912500 | 1.01787400 |
| C | 1.05894000 | -3.33920100 | 0.65479600 | H | 1.24904500 | -2.64854400 | 2.18875700 |
| H | 0.09431000 | -2.95471400 | 0.98726100 | C | 0.48366900 | -4.18199700 | -1.28253900 |
| H | 0.90735900 | -4.21350500 | 0.01454700 | H | 0.06377200 | -2.14605400 | -1.89607300 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 0.87402400 | -5.00837200 | -0.23161100 | H | -5.74357000 | -1.45318800 | -0.00446600 |
| H | 1.46145300 | -5.09951500 | 1.83796800 | C | 0.42890200 | -1.75541500 | -0.21863300 |
| H | 0.26698000 | -4.60805900 | -2.25714200 | H | 0.11432800 | -2.79005800 | -0.17844000 |
| H | 0.96340100 | -6.07890600 | -0.38617300 | C | 1.81634300 | -1.41428500 | -0.44234300 |
| C | -0.74581700 | -0.31264500 | 0.91509100 | H | 2.07514800 | -0.81288100 | -1.32206200 |
| H | -0.81799900 | 0.73358700 | 1.18156300 | N | 2.83241100 | -2.15531700 | 0.00129400 |
| C | -1.80486300 | -1.14726100 | 1.12613000 | C | 4.19274800 | -1.88388100 | -0.42936200 |
| H | -1.71318300 | -2.20668200 | 0.89283300 | H | 4.17747500 | -1.30922800 | -1.35614200 |
| N | -3.02175600 | -0.78459800 | 1.59349500 | H | 4.73340300 | -1.31535200 | 0.33696200 |
| C | -3.25318200 | 0.57484700 | 2.05131500 | H | 4.72130300 | -2.82503100 | -0.60396300 |
| H | -2.85195400 | 1.28613200 | 1.32748200 | C | 2.71590800 | -2.99683600 | 1.18105200 |
| H | -4.33029100 | 0.73251000 | 2.14277900 | H | 1.68032700 | -3.01001000 | 1.51605100 |
| H | -2.78566700 | 0.74729400 | 3.03087200 | H | 3.04427300 | -4.01489700 | 0.95304500 |
| C | -3.94502000 | -1.79747500 | 2.06330400 | H | 3.34693700 | -2.59697200 | 1.98349900 |
| H | -3.71700100 | -2.75261200 | 1.58566900 | | | | |
| H | -3.88824600 | -1.92978000 | 3.15220600 | | | | |
| H | -4.97038100 | -1.51528000 | 1.80509600 | | | | |

TS-AE

TS-AD

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.36618400 | 1.46496900 | -0.32300600 | C | 2.61367400 | 0.76081300 | -0.73808900 |
| C | 1.86317100 | 2.71051600 | -0.39084600 | C | 2.45685200 | 2.08627600 | -0.58379100 |
| C | 0.49102100 | 2.95369200 | 0.00896300 | C | 1.27064800 | 2.64932900 | 0.01423400 |
| C | -0.36465900 | 1.85395400 | 0.09724900 | C | 0.18569900 | 1.79017500 | 0.19502500 |
| C | 0.17395600 | 0.57329300 | 0.13054700 | C | 0.31923200 | 0.42751500 | 0.03642200 |
| N | 1.60688000 | 0.47640100 | 0.41295700 | N | 1.66877500 | -0.14704400 | -0.12249000 |
| H | 3.31420900 | 1.15132300 | -0.74897800 | H | 3.45616500 | 0.29984000 | -1.23865600 |
| H | 2.42742000 | 3.51682700 | -0.84990800 | H | 3.21985900 | 2.75144600 | -0.97357400 |
| H | -1.43870800 | 1.99739100 | 0.02610700 | H | -0.80421900 | 2.19520100 | 0.38178500 |
| H | 1.74489600 | 0.62788300 | 1.42002700 | H | 2.14463400 | -0.98629100 | 0.85155800 |
| C | -0.43224400 | -0.69086600 | -0.07393100 | C | -0.60864600 | -0.60604000 | -0.24891300 |
| C | -0.02564600 | 4.28064500 | 0.00670600 | C | 1.14784200 | 4.04974800 | 0.20523200 |
| N | -0.43785800 | 5.36666300 | 0.01453000 | N | 1.05545900 | 5.19755000 | 0.36715500 |
| C | -1.90097600 | -0.87797400 | -0.05824100 | C | -2.07129300 | -0.45406500 | -0.12356500 |
| C | -2.50454900 | -1.73871300 | -0.98148200 | C | -2.92448600 | -0.99045200 | -1.09388900 |
| C | -2.70302800 | -0.23468500 | 0.89166000 | C | -2.62778100 | 0.20832100 | 0.97629300 |
| C | -3.87982500 | -1.94355400 | -0.96382400 | C | -4.30301500 | -0.86299000 | -0.96961100 |
| H | -1.88342400 | -2.22976700 | -1.72446200 | H | -2.49534600 | -1.48813600 | -1.95839000 |
| C | -4.07785600 | -0.44241600 | 0.91076500 | C | -4.00733100 | 0.33540600 | 1.09920400 |
| H | -2.23658700 | 0.41541200 | 1.62536400 | H | -1.96886300 | 0.60763000 | 1.74157800 |
| C | -4.67007100 | -1.29491800 | -0.01812600 | H | -4.84844600 | -0.19925700 | 0.12692700 |
| H | -4.33623300 | -2.60607100 | -1.69223200 | H | -4.95404100 | -1.27578900 | -1.73366400 |
| H | -4.68749200 | 0.05924700 | 1.65523700 | H | -4.42617000 | 0.84931000 | 1.95846000 |
| | | | | H | -5.92474500 | -0.09783100 | 0.22228300 |
| | | | | C | 0.03048300 | -1.73252800 | -0.71116000 |
| | | | | H | -0.44627200 | -2.61772700 | -1.10773800 |

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|---|------------|-------------|-------------|
| C | 1.49055400 | -1.54078200 | -0.67455600 |
| H | 2.06106300 | -1.75333600 | -1.58926700 |
| N | 2.23797700 | -2.21176300 | 0.50829700 |
| C | 3.61207100 | -2.61465700 | 0.17482300 |
| H | 4.12553100 | -1.78274400 | -0.31141300 |
| H | 4.14513000 | -2.87040900 | 1.09198000 |
| H | 3.61124800 | -3.48146900 | -0.49423200 |
| C | 1.51486000 | -3.25488500 | 1.24701300 |
| H | 0.50131700 | -2.90919600 | 1.44604000 |
| H | 1.47276800 | -4.18327300 | 0.66754600 |
| H | 2.04095000 | -3.43998600 | 2.18538300 |

INT9

| | | | |
|---|-------------|-------------|-------------|
| C | -1.42588400 | 1.10197000 | 0.08509100 |
| C | -1.05482400 | 1.85792900 | -1.14774700 |
| C | -0.23052300 | 0.66579600 | -0.75170900 |
| H | -0.57231600 | 2.81814400 | -1.00265200 |
| H | -1.70275900 | 1.76605100 | -2.01289900 |
| H | -0.34797200 | -0.25466000 | -1.31569600 |
| C | 1.11675100 | 0.94707500 | -0.16466600 |
| C | 2.14711700 | -0.06844100 | -0.36033800 |
| H | 1.90443100 | -0.97011600 | -0.90955200 |
| C | 3.37267200 | 0.16031800 | 0.17773400 |
| H | 3.49970200 | 1.08655200 | 0.73591500 |
| C | 5.62945300 | -0.38680000 | 0.91685800 |
| H | 6.54615500 | -0.50052300 | 0.33000700 |
| H | 5.59152500 | 0.63142800 | 1.30651400 |
| H | 5.67089600 | -1.08235000 | 1.76502100 |
| C | 4.37258400 | -1.89863300 | -0.59349700 |
| H | 3.74264700 | -2.60616200 | -0.03768700 |
| H | 5.37105700 | -2.32444000 | -0.70448800 |
| H | 3.93977000 | -1.75854200 | -1.58839300 |
| N | 4.46801300 | -0.62342900 | 0.08389900 |
| O | 1.30290700 | 1.98931800 | 0.45644000 |
| H | -1.14229900 | 1.57767000 | 1.01985700 |
| C | -2.64320800 | 0.24925000 | 0.13899600 |
| C | -3.32151000 | 0.09035100 | 1.35027300 |
| C | -3.13911200 | -0.41135000 | -0.99044800 |
| C | -4.46218600 | -0.70251300 | 1.43375800 |
| H | -2.94769600 | 0.59696900 | 2.23584000 |
| C | -4.27718100 | -1.20546700 | -0.90926300 |
| H | -2.63197100 | -0.30576100 | -1.94651000 |

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|---|-------------|-------------|-------------|
| C | -4.94549400 | -1.35478900 | 0.30381300 |
| H | -4.97285300 | -0.81032000 | 2.38569300 |
| H | -4.64488800 | -1.70893700 | -1.79811800 |
| H | -5.83470000 | -1.97371700 | 0.36520500 |

INT10

| | | | |
|---|-------------|-------------|-------------|
| C | -3.04524800 | 0.22670600 | -0.12692100 |
| C | -2.45500100 | 0.64070900 | -1.42761500 |
| C | -1.86496300 | -0.55295000 | -0.70941200 |
| H | -1.83255600 | 1.52948200 | -1.44168400 |
| H | -3.01756900 | 0.42359700 | -2.32944200 |
| H | -2.08865800 | -1.54257300 | -1.09469200 |
| C | -0.56728300 | -0.40048900 | -0.03222700 |
| C | 0.33318800 | -1.46903600 | -0.01418400 |
| H | 0.13360900 | -2.33839300 | -0.62758500 |
| C | 1.42450800 | -1.42479800 | 0.85138400 |
| H | 1.43737900 | -0.64843600 | 1.61432800 |
| C | 3.42796900 | -2.25508200 | 1.93553000 |
| H | 4.43439100 | -2.20760000 | 1.51086900 |
| H | 3.26041800 | -1.38840400 | 2.57529200 |
| H | 3.32835300 | -3.17222100 | 2.52471500 |
| C | 2.65702500 | -3.21434200 | -0.21860200 |
| H | 2.12758000 | -4.15166100 | -0.01771800 |
| H | 3.72858800 | -3.40616400 | -0.30716600 |
| H | 2.30110000 | -2.77982000 | -1.15468600 |
| N | 2.44852000 | -2.25210700 | 0.85660700 |
| O | -0.33484000 | 0.71960000 | 0.56703600 |
| H | -2.76925500 | 0.84324200 | 0.72337500 |
| C | -4.37508800 | -0.43386800 | -0.02763600 |
| C | -5.14112200 | -0.24823500 | 1.12530000 |
| C | -4.89087900 | -1.23723700 | -1.04958000 |
| C | -6.39137400 | -0.84496200 | 1.25612700 |
| H | -4.75091400 | 0.37431600 | 1.92568900 |
| C | -6.13861500 | -1.83733000 | -0.91948900 |
| H | -4.31625900 | -1.39752200 | -1.95889800 |
| C | -6.89504600 | -1.64293800 | 0.23376800 |
| H | -6.97129000 | -0.68471000 | 2.15960600 |
| H | -6.52255100 | -2.45746200 | -1.72342000 |
| H | -7.86970800 | -2.10927400 | 0.33329200 |
| C | -0.25253800 | 3.91423500 | -0.57787500 |
| C | -0.26839300 | 3.84918000 | 0.95374500 |
| B | 0.62967900 | 1.93425100 | 0.15496400 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| O | 0.02248000 | 2.58116700 | -0.97361700 | C | 3.37520000 | 3.31476500 | 0.45765100 |
| O | 0.66020700 | 2.82645500 | 1.25717300 | B | 1.86255500 | 1.65127400 | 0.34876800 |
| C | 3.01162300 | 1.32160600 | 0.78952700 | O | 2.19433200 | 1.85495000 | -0.96730900 |
| C | 4.15413900 | 0.60448300 | 0.61725600 | O | 2.47201800 | 2.52000000 | 1.21834700 |
| C | 4.34408600 | -0.16996000 | -0.57452300 | H | 3.91890400 | 2.78316700 | -1.61995900 |
| C | 3.36347000 | -0.00744000 | -1.60907500 | H | 2.48498500 | 3.82459700 | -1.49664300 |
| C | 2.25149400 | 0.73860400 | -1.37811400 | H | 3.23578900 | 4.36937600 | 0.70842800 |
| N | 2.01093100 | 1.34419300 | -0.16201600 | H | 4.40205500 | 3.02957400 | 0.70903200 |
| H | 2.81035000 | 1.91980900 | 1.67083400 | H | -1.53915500 | 0.97412600 | 1.22174400 |
| H | 4.91633700 | 0.61506300 | 1.38896800 | C | -3.29503000 | 0.21271200 | 0.17702600 |
| H | 3.50637000 | -0.47603400 | -2.57623700 | C | -4.00840100 | 0.02112500 | 1.36422300 |
| H | 1.48185900 | 0.89500700 | -2.12594900 | C | -3.93069300 | -0.09048200 | -1.03271300 |
| C | 5.36503400 | -1.13321900 | -0.66833600 | C | -5.31397200 | -0.45877500 | 1.34674900 |
| N | 6.16295200 | -1.98708100 | -0.69990200 | H | -3.52836600 | 0.25053400 | 2.31168000 |
| H | 0.54194800 | 4.58406800 | -0.93407400 | C | -5.23491800 | -0.57150600 | -1.05240700 |
| H | -1.20621400 | 4.24628800 | -1.00198100 | H | -3.40237300 | 0.04684200 | -1.97306600 |
| H | 0.03619000 | 4.78620200 | 1.42929100 | C | -5.93435100 | -0.75834600 | 0.13747000 |
| H | -1.26940500 | 3.57729900 | 1.32060700 | H | -5.84680400 | -0.59906500 | 2.28220400 |
| | | | | H | -5.70812400 | -0.79983300 | -2.00256100 |
| | | | | H | -6.95273600 | -1.13250000 | 0.12098000 |

INT11

| | | | |
|---|-------------|-------------|-------------|
| C | -1.89349900 | 0.70173400 | 0.23183600 |
| C | -1.27351500 | 1.46164100 | -0.90496800 |
| C | -0.82880400 | 0.04936900 | -0.65092100 |
| H | -0.57774000 | 2.25552700 | -0.65611600 |
| H | -1.88519000 | 1.65346900 | -1.78023800 |
| H | -1.20429600 | -0.70902900 | -1.33240000 |
| C | 0.49877600 | -0.24049900 | -0.09951900 |
| C | 1.22932200 | -1.39078300 | -0.33762800 |
| H | 0.78895600 | -2.09933100 | -1.03242700 |
| C | 2.45289100 | -1.66831300 | 0.25199000 |
| H | 2.85099700 | -0.99538800 | 1.00514900 |
| C | 4.10745600 | -3.24326900 | 1.01983100 |
| H | 4.92896500 | -3.82984300 | 0.59959500 |
| H | 4.53286100 | -2.40215100 | 1.57254100 |
| H | 3.55035000 | -3.87563200 | 1.72830100 |
| C | 2.76754200 | -3.74375000 | -0.96107100 |
| H | 1.90204700 | -4.28849200 | -0.54974900 |
| H | 3.56167400 | -4.46225800 | -1.17547700 |
| H | 2.46520200 | -3.27340100 | -1.90044800 |
| N | 3.27103900 | -2.73921500 | -0.05228700 |
| O | 0.99727500 | 0.69969400 | 0.78884800 |
| C | 3.03248800 | 3.00449200 | -1.02046400 |

INT12

| | | | |
|---|-------------|-------------|-------------|
| C | 2.45965900 | -0.31678200 | 1.24887200 |
| C | 1.20960200 | -0.80676000 | 0.58552900 |
| C | 0.30728200 | 0.33665500 | 0.18812400 |
| H | 0.67270600 | -1.47124200 | 1.27184500 |
| H | 1.45752400 | -1.41083800 | -0.29983800 |
| H | 0.78266400 | 1.23927100 | -0.18509500 |
| C | -1.02958300 | 0.33627300 | 0.27839800 |
| C | -1.87984300 | 1.47009400 | -0.05383700 |
| H | -1.36735800 | 2.36126400 | -0.39859800 |
| C | -3.22155300 | 1.42514500 | 0.06424000 |
| H | -3.68651700 | 0.52356000 | 0.45476000 |
| C | -5.35940600 | 2.47704000 | 0.44664200 |
| H | -6.10838500 | 3.01473000 | -0.14117500 |
| H | -5.72728000 | 1.46432900 | 0.62701500 |
| H | -5.25002200 | 2.98261000 | 1.41812500 |
| C | -3.57238700 | 3.68378800 | -0.71413900 |
| H | -3.02539100 | 4.19477800 | 0.09435100 |
| H | -4.38762600 | 4.32833600 | -1.04941300 |
| H | -2.88546100 | 3.53174600 | -1.55118200 |
| N | -4.11392200 | 2.41197400 | -0.29334300 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| O | -1.71562500 | -0.76320300 | 0.76910800 | H | 6.24723000 | 1.92717400 | 1.91426700 |
| C | -0.97197200 | -3.66890700 | -1.15254800 | N | 6.22021000 | 1.04721600 | 0.02407100 |
| C | -2.03391800 | -4.16720800 | -0.14994100 | O | 2.58652000 | -0.83226600 | -0.10380800 |
| B | -1.61805500 | -1.98473200 | 0.18665100 | C | 0.81169500 | -3.69057200 | 1.07843500 |
| O | -0.97668700 | -2.25217400 | -0.99964400 | C | 0.90204400 | -3.94080700 | -0.44487200 |
| O | -2.18564800 | -3.09074200 | 0.76978700 | B | 1.93613500 | -2.01775400 | 0.09475400 |
| H | -1.20582600 | -3.92913600 | -2.18725100 | O | 1.68074700 | -2.58300900 | 1.31687700 |
| H | 0.02709700 | -4.04916300 | -0.91015000 | O | 1.50289900 | -2.75954800 | -0.97330600 |
| H | -1.72408700 | -5.06833100 | 0.38433700 | H | 1.14236900 | -4.54631400 | 1.67104800 |
| H | -2.99559400 | -4.36059500 | -0.63797200 | H | -0.20459500 | -3.41351500 | 1.38030300 |
| H | 2.50490600 | -0.32576500 | 2.33355900 | H | -0.08318200 | -4.07782900 | -0.89808800 |
| C | 3.55526800 | 0.24490900 | 0.54497400 | H | 1.53347500 | -4.80166000 | -0.68713500 |
| C | 4.69635000 | 0.70745700 | 1.24878600 | H | 0.28454200 | -0.25668200 | -0.59638700 |
| C | 3.56427800 | 0.37093000 | -0.86766800 | C | -1.48771000 | -1.21907300 | 0.13117600 |
| C | 5.77820400 | 1.25318500 | 0.58245400 | C | -1.81279800 | -1.76129500 | -1.13825100 |
| H | 4.70923300 | 0.62274900 | 2.33218300 | C | -2.41338200 | -1.40657200 | 1.18727000 |
| C | 4.65263900 | 0.92180800 | -1.52519300 | C | -3.00160300 | -2.44422200 | -1.33843800 |
| H | 2.70322600 | 0.03934300 | -1.44005800 | H | -1.09976700 | -1.63819900 | -1.95038300 |
| C | 5.76658900 | 1.36550800 | -0.81082200 | C | -3.60890400 | -2.07381400 | 0.97038900 |
| H | 6.64029200 | 1.59604100 | 1.14646900 | H | -2.19745300 | -0.99139700 | 2.16701600 |
| H | 4.63488700 | 1.01004200 | -2.60724900 | C | -3.91352400 | -2.59403700 | -0.28991000 |
| H | 6.61516600 | 1.79625600 | -1.33173300 | H | -3.22921300 | -2.85416700 | -2.31781400 |
| | | | | H | -4.32352000 | -2.17749000 | 1.78104800 |
| | | | | H | -4.85410500 | -3.10993500 | -0.45092700 |
| | | | | C | 1.20687500 | 2.30519800 | -1.60715800 |
| | | | | C | 1.25729100 | 3.18534400 | -0.34504400 |

INT12+a

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|------------|-------------|
| C | -0.28704200 | -0.48149300 | 0.29847600 | B | -0.76858200 | 2.25206800 | -0.56340900 |
| C | 0.21764300 | -0.00961100 | 1.62535100 | O | -0.18542100 | 2.00719400 | -1.77818500 |
| C | 1.61854300 | 0.53819100 | 1.61534800 | O | 0.03608300 | 2.88858700 | 0.34346600 |
| H | 0.14575600 | -0.83454900 | 2.35210300 | C | -2.67502900 | 2.15318700 | 0.99609000 |
| H | -0.45113500 | 0.77866100 | 2.01092500 | C | -3.92940800 | 1.74884000 | 1.32689700 |
| H | 1.82272500 | 1.34633900 | 2.31153600 | C | -4.74553900 | 1.07019200 | 0.37868000 |
| C | 2.66053700 | 0.15955500 | 0.85529900 | C | -4.19502800 | 0.85087800 | -0.91654200 |
| C | 3.94925600 | 0.84281500 | 0.87474700 | C | -2.93657200 | 1.26310400 | -1.21018200 |
| H | 4.05179600 | 1.64569300 | 1.59684600 | N | -2.13961600 | 1.91182700 | -0.26804700 |
| C | 4.95700800 | 0.50663800 | 0.04317000 | H | -2.02349500 | 2.68654700 | 1.67666600 |
| H | 4.79812700 | -0.28992700 | -0.67872200 | H | -4.30440500 | 1.95000300 | 2.32340100 |
| C | 6.94886200 | 1.01338700 | -1.22899700 | H | -4.77018200 | 0.32865400 | -1.67142700 |
| H | 8.02245400 | 1.07449300 | -1.03242100 | H | -2.46838400 | 1.09962900 | -2.17220000 |
| H | 6.74713200 | 0.06953300 | -1.73986500 | C | -6.02211200 | 0.56886900 | 0.72976200 |
| H | 6.67127400 | 1.83785500 | -1.90282100 | N | -7.06527600 | 0.14524200 | 1.02350000 |
| C | 6.48182300 | 2.18302700 | 0.87736800 | H | 1.75843200 | 1.36819300 | -1.46332100 |
| H | 5.88374200 | 3.06443500 | 0.59474400 | H | 1.57991100 | 2.81187100 | -2.49910800 |
| H | 7.54034000 | 2.44279300 | 0.81734000 | H | 1.27046300 | 4.25339000 | -0.58621200 |

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|--------------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 2.10731400 | 2.93921900 | 0.29362900 | H | 4.11124600 | -3.36523700 | 1.73347700 |
| INT13 | | | | H | 5.58104700 | -1.35346800 | -1.76326900 |
| C | 1.43233500 | 0.00885600 | -0.03000700 | H | 5.85604500 | -3.08986200 | -0.01314800 |
| C | 0.92300000 | 0.38355900 | -1.43625400 | C | -1.63492200 | -0.63155800 | 2.89011300 |
| C | -0.55260500 | 0.66776900 | -1.57311500 | C | -2.72927100 | 0.37929700 | 2.45674800 |
| H | 1.18000900 | -0.43590800 | -2.11876100 | B | -0.70298900 | 1.11944200 | 1.81587300 |
| H | 1.47185200 | 1.26377700 | -1.78941600 | O | -0.40126200 | -0.04309900 | 2.47867000 |
| H | -0.81639200 | 1.51671200 | -2.19700100 | O | -2.03068500 | 1.45143400 | 1.82569200 |
| C | -1.60445100 | -0.00046100 | -1.07402800 | C | -0.04253100 | 3.01476000 | 0.42537000 |
| C | -2.98854900 | 0.40230300 | -1.29495800 | C | 0.85400100 | 3.75959500 | -0.24425200 |
| H | -3.13036100 | 1.33983500 | -1.82053100 | C | 2.26140300 | 3.37427500 | -0.15449600 |
| C | -4.03571400 | -0.34242300 | -0.89121400 | C | 2.63179800 | 2.21931700 | 0.42757600 |
| H | -3.84814900 | -1.27142000 | -0.35748900 | C | 1.60638000 | 1.23545600 | 0.91970700 |
| C | -6.29780800 | -0.53958100 | -0.09543400 | N | 0.30349700 | 1.88659300 | 1.14766500 |
| H | -7.30631100 | -0.59922600 | -0.51302500 | H | -1.09784000 | 3.26671000 | 0.46137900 |
| H | -6.00581700 | -1.53870100 | 0.23730600 | H | 0.56037700 | 4.64806600 | -0.78458200 |
| H | -6.32294000 | 0.12516500 | 0.78255500 | H | 3.67828800 | 1.95012300 | 0.52372100 |
| C | -5.70658400 | 1.18586800 | -1.72331900 | H | 1.94080900 | 0.82490000 | 1.87995500 |
| H | -5.41340600 | 2.04120800 | -1.09339100 | C | 3.26269700 | 4.27432800 | -0.66818400 |
| H | -6.78360900 | 1.22831600 | -1.89762600 | N | 4.05219500 | 5.00463000 | -1.09583100 |
| H | -5.19830500 | 1.27715500 | -2.68698500 | H | -1.74140400 | -1.59803800 | 2.39120700 |
| N | -5.37263800 | -0.08253400 | -1.11489300 | H | -1.61200200 | -0.78185700 | 3.97313800 |
| O | -1.48559900 | -1.08726300 | -0.21801600 | H | -3.29469500 | 0.77300300 | 3.30649500 |
| C | 0.83209000 | -3.55478300 | -1.36825600 | H | -3.42469300 | -0.05384900 | 1.73249700 |
| INT14 | | | | | | | |
| C | 0.44240700 | -4.05091800 | 0.04285100 | C | 1.48961900 | -0.55240800 | -0.72304200 |
| B | -0.65347200 | -2.14311700 | -0.43743600 | C | 1.57700100 | 0.18803200 | -2.08493200 |
| O | -0.05602900 | -2.46422000 | -1.62587200 | C | 0.47398000 | -0.19004000 | -3.05941300 |
| O | -0.34987600 | -2.99854900 | 0.59325800 | H | 2.52210200 | -0.04948300 | -2.57748100 |
| H | 0.69758600 | -4.31897400 | -2.13684400 | H | 1.55661400 | 1.27095600 | -1.93540400 |
| H | 1.86370000 | -3.18708700 | -1.40020100 | H | 0.75261400 | -0.66540900 | -3.99968000 |
| H | 1.31719400 | -4.21751600 | 0.67645000 | C | -0.79435000 | -0.01457800 | -2.85455800 |
| H | -0.15650800 | -4.96678800 | 0.00971100 | C | -2.08548100 | 0.09213200 | -2.57442600 |
| H | 0.68177100 | -0.58524200 | 0.49189200 | H | -2.64367500 | 0.98759800 | -2.82328400 |
| C | 2.68805200 | -0.83131700 | -0.04782700 | C | -2.63736800 | -0.95546800 | -1.76529500 |
| C | 2.86175200 | -1.80231300 | 0.94551000 | H | -1.99352600 | -1.79298900 | -1.51639600 |
| C | 3.68429300 | -0.67476600 | -1.01527200 | C | -4.19130200 | -1.98767600 | -0.26508300 |
| C | 3.99438100 | -2.61176800 | 0.96021000 | H | -5.18054500 | -2.37435300 | -0.51809100 |
| H | 2.08308300 | -1.92603300 | 1.69697600 | H | -3.45115200 | -2.78504800 | -0.27765400 |
| C | 4.81848400 | -1.48367300 | -1.00194500 | H | -4.18527700 | -1.50994800 | 0.71815400 |
| H | 3.56835000 | 0.07833300 | -1.79000600 | H | -4.71950000 | 0.18853700 | -1.30650400 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -4.67902100 | 0.64686700 | -2.29327000 | C | -1.65950600 | 0.15505400 | 0.84308300 |
| H | -4.40636600 | 0.88785900 | -0.52573700 | C | -1.42759700 | 1.19987100 | 1.94807700 |
| H | -5.73533600 | -0.15836600 | -1.11898200 | C | -0.03623600 | 1.32144800 | 2.53270200 |
| N | -3.81779900 | -0.96002900 | -1.23558700 | H | -2.10828000 | 0.96209000 | 2.76990700 |
| H | 0.73212700 | -1.34065300 | -0.79295500 | H | -1.70493400 | 2.20413500 | 1.61128500 |
| C | 2.79857600 | -1.19631400 | -0.32111900 | H | 0.03382100 | 1.38177700 | 3.62042200 |
| C | 2.77920300 | -2.42993900 | 0.33609800 | C | 1.10249300 | 1.43224100 | 1.92206800 |
| C | 4.03075200 | -0.56308300 | -0.51160000 | C | 2.33446300 | 1.45054000 | 1.41655900 |
| C | 3.95685600 | -3.02559300 | 0.77586000 | H | 2.79773900 | 2.37214900 | 1.08055400 |
| H | 1.82223100 | -2.91926100 | 0.50387600 | C | 2.92464100 | 0.16771000 | 1.20403500 |
| C | 5.21163800 | -1.15531300 | -0.07094600 | H | 2.35842800 | -0.70550900 | 1.54569100 |
| H | 4.06732400 | 0.40937000 | -0.99648000 | C | 4.51222000 | -1.40357900 | 0.31215700 |
| C | 5.17916200 | -2.39034000 | 0.57018000 | H | 5.43361900 | -1.60495200 | 0.86446400 |
| H | 3.92074900 | -3.98690400 | 1.27888000 | H | 3.71897300 | -2.10998200 | 0.56181800 |
| H | 6.15827200 | -0.64730000 | -0.22599200 | H | 4.70867200 | -1.48455800 | -0.76032400 |
| H | 6.09975300 | -2.85298500 | 0.91090200 | C | 4.80998200 | 1.06379800 | 0.00594800 |
| C | -1.76405800 | 0.98948800 | 3.03273300 | H | 5.74593100 | 0.67882700 | -0.39525200 |
| C | -3.09109700 | 0.98575400 | 2.25305600 | H | 5.02755200 | 1.82092200 | 0.76131600 |
| B | -1.40844900 | -0.21105000 | 1.14484700 | H | 4.20666200 | 1.50607300 | -0.79558400 |
| O | -1.09702400 | -0.15046000 | 2.56315800 | N | 4.05627200 | -0.04093200 | 0.59654800 |
| O | -2.78597800 | 0.34493500 | 1.02827300 | O | 0.62050200 | -1.71798500 | 1.66223200 |
| C | -0.77632600 | 1.89154400 | -0.19411200 | H | -1.40397400 | -0.81759100 | 1.26514000 |
| C | 0.09217200 | 2.91342600 | -0.44921700 | C | -3.13000400 | 0.10063700 | 0.45365000 |
| C | 1.41979600 | 2.76667600 | 0.11265900 | C | -3.62766300 | -1.11594200 | -0.03240800 |
| C | 1.84095300 | 1.58852100 | 0.62757200 | C | -3.99186100 | 1.19700500 | 0.51035800 |
| C | 0.99373200 | 0.35503400 | 0.45617700 | C | -4.94990900 | -1.23027900 | -0.44239500 |
| N | -0.42612100 | 0.69788200 | 0.32935800 | H | -2.94757000 | -1.96385000 | -0.08652900 |
| H | -1.84531500 | 2.01046900 | -0.35577000 | C | -5.31937500 | 1.08318800 | 0.09728200 |
| H | -0.24104700 | 3.85745200 | -0.85465000 | H | -3.64369300 | 2.15693600 | 0.88028600 |
| H | 2.78239200 | 1.51469200 | 1.16010600 | C | -5.80324800 | -0.12936100 | -0.37833300 |
| H | 1.08262000 | -0.26928500 | 1.35391600 | H | -5.31850400 | -2.18230200 | -0.81217900 |
| C | 2.26475600 | 3.93118200 | 0.21448300 | H | -5.97310600 | 1.94843100 | 0.14853400 |
| N | 2.93897800 | 4.87079500 | 0.27194000 | H | -6.83679100 | -0.21781200 | -0.69787100 |
| H | -1.90596200 | 0.93517900 | 4.11704000 | C | -0.29083000 | -3.19908700 | -1.43311300 |
| H | -1.19255600 | 1.90286000 | 2.80044400 | C | 1.20674600 | -3.52763500 | -1.28033400 |
| H | -3.47666700 | 1.99975000 | 2.08172400 | B | 0.52017700 | -1.87308900 | 0.22458300 |
| H | -3.86123200 | 0.41323500 | 2.79326000 | O | -0.64878200 | -2.64154100 | -0.19327700 |
| O | -1.28363800 | -1.57115600 | 0.62699600 | O | 1.68277200 | -2.59630000 | -0.33195500 |
| C | -1.48000800 | -2.59781900 | 1.56731900 | C | 1.44628100 | -0.02909000 | -1.25831100 |
| H | -1.50161100 | -3.55904800 | 1.03717300 | C | 1.54605600 | 1.21177100 | -1.82922200 |
| H | -0.67532400 | -2.62544800 | 2.31006400 | C | 0.53833900 | 2.17084800 | -1.44378200 |
| H | -2.42446400 | -2.48217100 | 2.11932200 | C | -0.55396400 | 1.78437400 | -0.74945700 |
| | | | | C | -0.80218000 | 0.32316100 | -0.45303200 |
| | | | | N | 0.47281300 | -0.42082700 | -0.41542900 |

INT15

| | | | | | | | |
|--------------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 2.21947800 | -0.77679000 | -1.41853000 | H | -5.03772800 | -1.74483200 | -2.42921700 |
| H | 2.33989200 | 1.46731900 | -2.51702300 | H | -5.36114700 | -1.65493300 | 1.84925300 |
| H | -1.30338300 | 2.51288000 | -0.45721900 | H | -6.43656500 | -1.85088000 | -0.37828200 |
| H | -1.41467300 | -0.11584900 | -1.26234100 | C | 1.06709400 | 1.77751100 | -0.90962500 |
| C | 0.75393700 | 3.56721400 | -1.73031700 | C | 0.18277600 | 2.80441200 | -0.91161300 |
| N | 0.96228600 | 4.68356300 | -1.95668600 | C | -1.03716300 | 2.64065200 | -0.12796100 |
| H | -0.90226900 | -4.08140200 | -1.64944800 | C | -1.46853700 | 1.40241100 | 0.19579000 |
| H | -0.43638800 | -2.46893900 | -2.24691300 | C | -0.74583800 | 0.28094400 | -0.50088100 |
| H | 1.74671200 | -3.43727700 | -2.23285500 | N | 0.69906700 | 0.54469200 | -0.41494300 |
| H | 1.34942100 | -4.55095200 | -0.90419100 | H | 2.09073500 | 1.88338100 | -1.25218800 |
| H | 0.53354000 | -2.59768300 | 2.04559400 | H | 0.44457100 | 3.76670300 | -1.32969100 |
| INT16 | | | | | | | |
| C | -1.08535900 | -1.14356400 | -0.04145800 | H | -2.29464400 | 1.22264800 | 0.87592200 |
| C | -0.41679300 | -1.42434300 | 1.30252500 | H | -0.99154700 | 0.35714000 | -1.57414700 |
| C | 1.06099900 | -1.19788100 | 1.18250100 | C | -1.69399100 | 3.81523700 | 0.38280200 |
| H | -0.63923700 | -2.44539100 | 1.62900400 | N | -2.21704500 | 4.76943900 | 0.77750000 |
| INT17 | | | | | | | |
| C | -1.09076900 | -1.04825100 | -0.31000400 | C | -0.27535300 | -1.95176300 | 0.62557300 |
| C | 1.19884000 | -1.79361800 | 0.28721200 | C | -0.58884100 | -2.99311800 | 0.51628100 |
| H | 1.74700400 | -1.75294700 | 1.81002100 | H | -0.46436700 | -1.65858500 | 1.66415800 |
| C | 1.56497400 | -0.25614600 | 0.36461400 | H | 1.80070100 | -2.20519300 | 1.10892400 |
| C | 3.00685000 | 0.01236000 | 0.24174000 | C | 1.60142000 | -0.36003100 | 0.07584200 |
| H | 3.34984400 | 1.03779700 | 0.33267500 | C | 2.98783000 | -0.03191700 | -0.13223900 |
| C | 3.88370800 | -0.99833100 | 0.08695700 | H | 3.20503200 | 0.93276200 | -0.57981900 |
| H | 3.50372700 | -2.00839100 | -0.05754900 | C | 4.00907900 | -0.90045900 | 0.07955000 |
| C | 6.00312600 | -1.87406200 | -0.67027000 | H | 3.82763100 | -1.85908100 | 0.55893700 |
| H | 7.01745900 | -1.96721800 | -0.27351600 | C | 6.33690800 | -1.39918000 | 0.48811900 |
| H | 5.51991400 | -2.85183300 | -0.60763700 | H | 6.58062300 | -0.86382500 | 1.41809700 |
| H | 6.06797400 | -1.58670200 | -1.73029700 | H | 5.98775300 | -2.40092100 | 0.74918200 |
| C | 5.84733800 | 0.39788600 | 0.23716700 | H | 7.25019100 | -1.49890500 | -0.10390700 |
| H | 5.65076800 | 1.02358400 | -0.64837500 | C | 5.70422100 | 0.55963800 | -0.84235100 |
| H | 6.92732400 | 0.29691800 | 0.36232000 | H | 5.08649400 | 0.79154500 | -1.71446200 |
| H | 5.44146200 | 0.90663700 | 1.11580700 | H | 6.74719100 | 0.51538600 | -1.16137900 |
| N | 5.25654900 | -0.91634300 | 0.12335700 | H | 5.59271900 | 1.37593600 | -0.11064800 |
| H | -0.62303600 | -1.81718400 | -0.77433000 | N | 5.32110300 | -0.72228200 | -0.29572200 |
| C | -2.58409500 | -1.36270900 | -0.09598400 | H | -0.77446000 | -1.29495700 | -1.33750700 |
| C | -3.20366500 | -1.48007800 | -1.34481500 | C | -2.57656700 | -1.30567600 | -0.19973100 |
| C | -3.38015000 | -1.43018300 | 1.04890200 | C | -3.30562800 | -1.74164500 | -1.30484100 |
| C | -4.57818600 | -1.65335200 | -1.45017400 | C | -3.23961500 | -1.13841900 | 1.02077200 |
| H | -2.59427200 | -1.44140100 | -2.24506300 | C | -4.66890000 | -2.01014100 | -1.19829100 |
| C | -4.75934400 | -1.60538700 | 0.94733600 | | | | |
| H | -2.92692900 | -1.35044400 | 2.03223300 | | | | |
| C | -5.36279900 | -1.71505800 | -0.30032000 | | | | |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -2.80176800 | -1.86981600 | -2.25927600 | C | -2.93984100 | -0.51442800 | -0.07205200 |
| C | -4.59938200 | -1.40474700 | 1.13045400 | C | -4.12482200 | -0.44606100 | -0.80344400 |
| H | -2.68683800 | -0.77859700 | 1.88496900 | C | -2.98698800 | -0.31168800 | 1.31072200 |
| C | -5.31842500 | -1.84344400 | 0.01982100 | C | -5.33737400 | -0.18144400 | -0.17007900 |
| H | -5.22204000 | -2.34536800 | -2.06986400 | H | -4.09762200 | -0.59812500 | -1.87940900 |
| H | -5.10024700 | -1.26501500 | 2.08305300 | C | -4.19505000 | -0.04843700 | 1.94546100 |
| H | -6.38062400 | -2.04837800 | 0.10480700 | H | -2.06533000 | -0.34246200 | 1.88622300 |
| C | 1.06617200 | 1.95834300 | 0.33396200 | C | -5.37493000 | 0.01659400 | 1.20592600 |
| C | 0.18379300 | 2.99491500 | 0.26660400 | H | -6.25013600 | -0.12609700 | -0.75442000 |
| C | -1.18236300 | 2.77861500 | 0.02841500 | H | -4.21628900 | 0.11135300 | 3.01863400 |
| C | -1.58273700 | 1.43452200 | -0.10595600 | H | -6.31728100 | 0.22629800 | 1.70122400 |
| C | -0.70709900 | 0.38640400 | -0.05378500 | C | 1.85361900 | 0.33654400 | 0.24357700 |
| N | 0.68155700 | 0.61967200 | 0.12667000 | C | 1.75554000 | 1.76742500 | -0.19633300 |
| H | 2.09315500 | 2.10027500 | 0.62595100 | C | 0.51560100 | 2.28433900 | -0.34543000 |
| H | 0.56083700 | 3.99639400 | 0.44298500 | C | -0.67819300 | 1.45457100 | -0.28577900 |
| H | -2.62734100 | 1.20126000 | -0.27850900 | C | -0.51883700 | 0.11010500 | -0.42176700 |
| C | -2.11485500 | 3.84905500 | -0.04479900 | N | 0.74354600 | -0.40563000 | -0.36346100 |
| N | -2.87483300 | 4.72505000 | -0.10600200 | H | 1.75748700 | 0.24997200 | 1.34304800 |
| H | 1.45999900 | -2.38209600 | -0.60255100 | H | 2.64892900 | 2.36113500 | -0.35490900 |
| | | | | H | -1.66355800 | 1.89912000 | -0.30260000 |
| C | 0.35847400 | 3.67915000 | -0.67445300 | C | 0.22121600 | 4.79936200 | -0.93080100 |
| N | -0.02892300 | -2.55924600 | -2.23997600 | H | | | |

INT18

| | | | |
|---|-------------|-------------|-------------|
| C | -1.63495400 | -0.86501200 | -0.75727700 |
| C | -1.21027800 | -2.31340100 | -0.44979700 |
| C | 0.10811500 | -2.64804300 | -1.15460900 |
| H | -2.00487300 | -2.99136300 | -0.77204400 |
| H | -1.09614900 | -2.43554700 | 0.63363200 |
| H | 0.42923100 | -3.67171300 | -0.94937100 |
| C | 1.16685900 | -1.68932000 | -0.70616000 |
| C | 2.49319000 | -1.80795900 | -0.56699700 |
| H | 3.05435700 | -2.69313200 | -0.82999400 |
| C | 3.10424300 | -0.48111400 | -0.16178100 |
| H | 3.59057400 | -0.00696200 | -1.04559100 |
| C | 4.54691800 | 0.77183700 | 1.28353100 |
| H | 5.03581300 | 1.27639500 | 0.42816600 |
| H | 3.72767700 | 1.40588400 | 1.63330000 |
| H | 5.27475500 | 0.69248200 | 2.09455100 |
| C | 5.17353400 | -1.42735100 | 0.61878500 |
| H | 4.82637700 | -2.45291200 | 0.48057000 |
| H | 5.88328100 | -1.42438600 | 1.44969600 |
| H | 5.71160900 | -1.11099300 | -0.29413400 |
| N | 4.05654600 | -0.55513500 | 0.94332400 |
| H | -1.79805400 | -0.79773000 | -1.84230800 |

INT19

| | | | |
|---|-------------|-------------|-------------|
| C | -0.70015200 | -1.06256300 | -0.51260900 |
| C | -0.43194800 | -2.36941000 | 0.26210000 |
| C | 0.91348900 | -2.97790600 | -0.14362000 |
| H | -1.24813700 | -3.06893400 | 0.06447100 |
| H | -0.43658400 | -2.15701300 | 1.33719200 |
| H | 0.85240900 | -3.33939800 | -1.17866800 |
| C | 1.99485800 | -1.95297100 | -0.00747400 |
| C | 3.36019000 | -2.03377700 | 0.21490100 |
| H | 3.90906000 | -2.95863400 | 0.32465000 |
| C | 3.88872600 | -0.73226100 | 0.27792300 |
| H | 4.91709800 | -0.44905400 | 0.44372500 |
| H | -0.67837600 | -1.31431700 | -1.58336100 |
| C | -2.06801400 | -0.49905000 | -0.19339400 |
| C | -3.07072000 | -0.47990600 | -1.16135400 |
| C | -2.36096700 | -0.03054300 | 1.09149500 |
| C | -4.34528400 | -0.00693700 | -0.85568100 |
| H | -2.85220400 | -0.83805600 | -2.16411900 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.63103800 | 0.44203200 | 1.39932400 | B | 1.96996200 | 1.98668400 | -0.71088300 |
| H | -1.58090800 | -0.02321300 | 1.84903200 | O | 2.75216200 | 1.57311700 | -1.75282500 |
| C | -4.62830800 | 0.45335100 | 0.42539800 | O | 2.53745200 | 2.97824600 | 0.05644700 |
| H | -5.11435700 | 0.00389600 | -1.62146300 | H | 4.79635700 | 1.81178100 | -1.93016000 |
| H | -3.84269700 | 0.80592200 | 2.39962400 | H | 3.80489900 | 3.13224700 | -2.59367700 |
| H | -5.61945500 | 0.82433600 | 0.66513300 | H | 4.14932400 | 4.17367300 | -0.44961600 |
| C | 2.83203600 | 0.15168700 | 0.09896500 | H | 4.55049700 | 2.61813400 | 0.32017900 |
| C | 2.69964400 | 1.55588200 | 0.07109200 | H | -1.61028600 | 1.92755000 | 0.34629400 |
| C | 1.46069400 | 2.11468300 | -0.11414200 | C | -3.56733900 | 1.35443600 | -0.47417700 |
| C | 0.30195200 | 1.28352400 | -0.28532500 | C | -3.98448700 | 0.02223700 | -0.45453600 |
| C | 0.41789300 | -0.06892600 | -0.27491100 | C | -4.52713900 | 2.36325500 | -0.35955500 |
| N | 1.67168100 | -0.62395800 | -0.07755000 | C | -5.33262100 | -0.29861100 | -0.31911400 |
| H | 3.58012200 | 2.17479400 | 0.19979100 | H | -3.23795600 | -0.76247900 | -0.54637400 |
| H | -0.67216800 | 1.73390900 | -0.42867900 | C | -5.87493000 | 2.04611400 | -0.22306500 |
| C | 1.31034900 | 3.54166900 | -0.14139600 | H | -4.20757800 | 3.40183400 | -0.38244400 |
| N | 1.18198100 | 4.69240400 | -0.16453600 | C | -6.28105200 | 0.71350600 | -0.20210900 |
| H | 1.15016800 | -3.84483700 | 0.47952100 | H | -5.64213700 | -1.33926100 | -0.30848500 |
| | | | | H | -6.61086800 | 2.83942900 | -0.13590300 |
| | | | | H | -7.33279700 | 0.46653300 | -0.09840600 |
| | | | | C | 0.95745800 | 2.30855400 | 2.83420300 |
| | | | | C | 2.37710000 | 1.72523100 | 2.83560300 |

INT-Z

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|------------|
| C | -2.11590800 | 1.69727300 | -0.59091900 | B | 0.91893000 | 0.21746200 | 2.04229800 |
| C | -1.58841600 | 2.42072300 | -1.79445000 | O | 0.11662100 | 1.17193600 | 2.61740000 |
| C | -1.25561500 | 0.96502900 | -1.59644900 | O | 2.26107200 | 0.53722800 | 2.04394600 |
| H | -0.79659300 | 3.14472500 | -1.64144900 | C | -0.95654600 | -1.21142100 | 1.45903000 |
| H | -2.29247800 | 2.65413000 | -2.58573600 | C | -1.51449500 | -2.35051200 | 1.01637000 |
| H | -1.77000400 | 0.25229700 | -2.23323200 | C | -0.62142200 | -3.44460900 | 0.63860700 |
| C | 0.08812700 | 0.53474300 | -1.15863900 | C | 0.70881100 | -3.26062700 | 0.57321700 |
| C | 0.57247700 | -0.70040000 | -1.29923100 | C | 1.32379000 | -1.90529500 | 0.77189600 |
| H | -0.05809000 | -1.40941100 | -1.82740300 | N | 0.41471400 | -1.00736600 | 1.50991800 |
| C | 1.78130400 | -1.21223100 | -0.57527400 | H | -1.55264100 | -0.38413900 | 1.83324300 |
| H | 2.37151200 | -0.35876500 | -0.22577000 | H | -2.58673900 | -2.48769300 | 1.01913300 |
| C | 3.85207600 | -2.47454700 | -0.69731100 | H | 1.37290200 | -4.09325400 | 0.36528600 |
| H | 4.61925500 | -2.77119300 | -1.41996400 | H | 2.23209600 | -2.01693100 | 1.37595600 |
| H | 4.26139700 | -1.67094700 | -0.07553900 | C | -1.17864800 | -4.75078800 | 0.39936600 |
| H | 3.66243600 | -3.34678800 | -0.04387400 | N | -1.64226900 | -5.79266500 | 0.20062600 |
| C | 2.13677700 | -2.97424100 | -2.31939900 | H | 0.82505100 | 3.01258100 | 2.00619600 |
| H | 1.69418700 | -3.86322300 | -1.83988800 | H | 0.68773300 | 2.78837500 | 3.77737600 |
| H | 2.94482000 | -3.31962800 | -2.97237000 | H | 2.70601600 | 1.44702300 | 3.84322900 |
| H | 1.37926100 | -2.51468400 | -2.95637500 | H | 3.10471600 | 2.39917000 | 2.38218800 |
| N | 2.68597600 | -1.99306300 | -1.40492100 | | | | |
| O | 0.72880100 | 1.51442200 | -0.41347400 | | | | |
| C | 3.90141600 | 2.41672200 | -1.77051300 | | | | |
| C | 3.88485400 | 3.11550300 | -0.39535100 | | | | |

INT-AA

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.02769900 | -1.56313400 | -0.38219800 | H | 2.46194500 | 3.14141500 | 0.23694900 |
| C | 1.42024700 | -2.41004500 | -1.45681300 | H | -1.70369700 | 4.26208400 | -0.08143500 |
| C | 1.26007700 | -0.91272200 | -1.51243400 | H | -2.24461800 | 2.13729400 | 1.05328400 |
| H | 0.53008900 | -2.97901100 | -1.21337100 | C | 0.74663500 | 5.19211600 | -0.34626400 |
| H | 2.08969000 | -2.85456300 | -2.18527600 | N | 1.05686400 | 6.26443400 | -0.65107500 |
| H | 1.84566000 | -0.36956200 | -2.24743400 | H | -0.56002700 | -2.43737700 | 2.10182400 |
| C | -0.03814300 | -0.30730600 | -1.17220800 | H | -0.05342600 | -2.15885700 | 3.80069800 |
| C | -0.48704700 | 0.87370200 | -1.61698300 | H | -2.03129900 | -0.81551900 | 4.23685100 |
| H | 0.07851900 | 1.47110400 | -2.31989100 | H | -2.71062500 | -1.77410000 | 2.87797300 |
| C | -1.71377500 | 1.42715900 | -0.95916900 | N | -2.79663100 | 0.34954700 | -0.95844100 |
| O | -0.76984400 | -1.00334900 | -0.25897600 | C | -3.90685500 | 0.66873300 | -0.02756500 |
| C | -2.92210900 | -3.25197700 | -1.33506100 | C | -3.36173300 | 0.34086200 | -2.33721700 |
| C | -3.65920400 | -2.87219000 | -0.04880400 | H | -4.72478900 | -0.02570500 | -0.22560600 |
| B | -2.16347900 | -1.22166600 | -0.60352000 | H | -3.58115600 | 0.53252200 | 1.00062000 |
| O | -2.37349100 | -2.02816000 | -1.77424400 | H | -4.25213800 | 1.69334700 | -0.20884100 |
| O | -2.88508200 | -1.81451300 | 0.48255200 | H | -3.82999400 | 1.31015200 | -2.53677000 |
| H | -3.57902400 | -3.67325600 | -2.10280700 | H | -4.09535100 | -0.45853400 | -2.41564300 |
| H | -2.12405000 | -3.97845100 | -1.12193600 | H | -2.55908000 | 0.14736000 | -3.04719900 |
| H | -3.72585400 | -3.69144200 | 0.67429800 | H | -2.13677100 | 2.24702500 | -1.55511500 |
| H | -4.68163900 | -2.52667100 | -0.27273800 | | | | |
| H | 1.50180000 | -1.56313600 | 0.57168200 | | | | |
| C | 3.50836500 | -1.36929000 | -0.30025800 | | | | |
| C | 4.07038300 | -0.09409800 | -0.39905500 | | | | |
| C | 4.35278900 | -2.46241000 | -0.09374000 | C | 1.70979400 | -0.55776300 | -0.77069700 |
| C | 5.44635200 | 0.08648900 | -0.28726600 | C | 2.08128800 | 0.13160100 | -2.09052100 |
| H | 3.41475400 | 0.75668800 | -0.57332600 | C | 1.08488300 | 1.05782800 | -2.74882600 |
| C | 5.72814900 | -2.28577100 | 0.01815000 | H | 2.30652600 | -0.64672900 | -2.82766300 |
| H | 3.91979800 | -3.45675800 | -0.02382700 | H | 3.00358500 | 0.71798000 | -1.97828000 |
| C | 6.27853500 | -1.00958600 | -0.07726600 | H | 1.25855200 | 1.25365300 | -3.80898600 |
| H | 5.86934000 | 1.08295200 | -0.36929300 | C | 0.07552200 | 1.69229000 | -2.23927200 |
| H | 6.37277500 | -3.14478000 | 0.17727200 | C | -0.95830300 | 2.35893200 | -1.74761300 |
| H | 7.35166200 | -0.87085900 | 0.00745300 | H | -0.79147700 | 3.31749600 | -1.26808000 |
| C | -0.51397700 | -1.70892100 | 2.91901400 | C | -2.17445300 | 1.61914100 | -1.59697000 |
| C | -1.90379400 | -1.11143400 | 3.18986200 | H | -2.27740400 | 0.69643200 | -2.16219800 |
| B | -0.64033400 | 0.30393000 | 1.99034100 | C | -4.23202500 | 0.94007100 | -0.58171500 |
| O | 0.27237000 | -0.59276800 | 2.48321500 | H | -5.18788200 | 1.46685100 | -0.55219400 |
| O | -1.93384400 | 0.06642400 | 2.37661800 | H | -4.22631900 | 0.20890700 | -1.38983700 |
| C | 1.02967100 | 1.75332000 | 0.96656900 | H | -4.03398600 | 0.44294600 | 0.37528300 |
| C | 1.41796900 | 2.89567400 | 0.36914800 | C | -3.16876200 | 3.02243100 | 0.14707600 |
| C | 0.37313700 | 3.84958500 | 0.02294300 | H | -3.05966900 | 2.59223700 | 1.14714000 |
| C | -0.93075800 | 3.52455500 | 0.10772000 | H | -4.12194100 | 3.54679600 | 0.05200300 |
| C | -1.35304300 | 2.10824700 | 0.42164500 | H | -2.35154900 | 3.71077100 | -0.05122900 |
| N | -0.29748500 | 1.43839600 | 1.18388400 | N | -3.15535400 | 1.90689300 | -0.79649800 |
| H | 1.73904600 | 1.02823100 | 1.35709700 | O | -1.34381200 | -0.53804900 | -0.33452700 |

INT-AB

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.94119700 | -2.62387000 | -1.52356300 | C | -0.63984500 | -1.29383400 | -0.31814900 |
| C | -3.82952000 | -3.07802100 | -0.05442200 | C | -0.16868800 | -2.20087600 | 0.83526600 |
| B | -2.30885500 | -1.45010300 | -0.45568600 | C | 1.21301100 | -2.73989100 | 0.57384000 |
| O | -2.82436300 | -1.76749300 | -1.71662900 | H | -0.89770300 | -3.00076500 | 0.98708600 |
| O | -2.98970700 | -2.10810700 | 0.55411400 | H | -0.13443600 | -1.60639600 | 1.76182600 |
| H | -4.86875000 | -2.06202800 | -1.70226200 | H | 1.48643800 | -3.75961700 | 0.81307100 |
| H | -3.90332600 | -3.45531000 | -2.23164500 | C | 2.11230900 | -1.84904300 | 0.12220700 |
| H | -3.36232400 | -4.06575800 | 0.02841400 | C | 3.57026100 | -1.82189300 | -0.01359100 |
| H | -4.79658300 | -3.10719300 | 0.45480600 | H | 4.20888900 | -2.67357900 | 0.17657800 |
| H | 0.71169200 | -0.98612600 | -0.88629700 | C | 3.95949700 | -0.55812700 | -0.29234300 |
| C | 2.66102800 | -1.70898100 | -0.47523300 | H | 4.97163100 | -0.19135400 | -0.39125400 |
| C | 2.22699100 | -2.69423400 | 0.42271400 | H | -0.62293800 | -1.92203200 | -1.21631200 |
| C | 3.94649300 | -1.81564000 | -1.00869700 | C | -2.04707100 | -0.75185700 | -0.17852000 |
| C | 3.05078000 | -3.75961200 | 0.76189200 | C | -2.74675600 | -0.39041400 | -1.33408800 |
| H | 1.23695600 | -2.59579300 | 0.86547300 | C | -2.65660400 | -0.54603800 | 1.06106500 |
| C | 4.77539200 | -2.88477200 | -0.66568600 | C | -4.01945800 | 0.16436800 | -1.25716800 |
| H | 4.32088400 | -1.06755400 | -1.70152500 | H | -2.28462200 | -0.54929800 | -2.30583700 |
| C | 4.33019100 | -3.86128700 | 0.21617700 | C | -3.93326400 | 0.00623900 | 1.14145800 |
| H | 2.69406300 | -4.51398400 | 1.45657700 | H | -2.13691500 | -0.81556500 | 1.97505000 |
| H | 5.77162600 | -2.94922600 | -1.09243300 | C | -4.61765400 | 0.36465600 | -0.01546200 |
| H | 4.97392800 | -4.69413300 | 0.48084700 | H | -4.54574700 | 0.43722000 | -2.16622200 |
| C | -0.81997200 | -0.88053000 | 3.11435800 | H | -4.39191400 | 0.15670100 | 2.11358700 |
| C | -2.13183300 | -0.10683600 | 2.93784500 | H | -5.61119200 | 0.79586600 | 0.04996800 |
| B | -0.86132000 | -0.05636100 | 0.98749700 | C | 2.77024300 | 0.29192200 | -0.35057500 |
| O | -0.42473800 | -1.17777500 | 1.79729100 | C | 2.55292100 | 1.63531300 | -0.39546000 |
| O | -1.96229700 | 0.59533600 | 1.71716600 | C | 1.21046600 | 2.07025000 | -0.03022300 |
| C | 0.18221400 | 2.25313900 | 1.07859300 | C | 0.15343100 | 1.22023500 | -0.00125300 |
| C | 1.15499600 | 3.19998900 | 1.00609100 | C | 0.37563100 | -0.14899500 | -0.59810100 |
| C | 2.47639800 | 2.73455600 | 0.62869100 | N | 1.69924200 | -0.54777000 | -0.15444400 |
| C | 2.72435800 | 1.42655100 | 0.41953600 | H | 3.35483500 | 2.34914300 | -0.51930700 |
| C | 1.64987700 | 0.37409100 | 0.50021700 | H | -0.82351600 | 1.53304800 | 0.34912500 |
| N | 0.31453100 | 0.94917600 | 0.74739700 | H | 0.40378500 | -0.01741300 | -1.69744500 |
| H | -0.81497800 | 2.51486300 | 1.41782200 | C | 1.03686600 | 3.43660000 | 0.39483600 |
| H | 0.98247800 | 4.22619000 | 1.29542700 | N | 0.91098900 | 4.53810700 | 0.72696400 |
| H | 3.73121600 | 1.08317000 | 0.19686900 | | | | |
| H | 1.86824600 | -0.30447600 | 1.33941400 | | | | |
| C | 3.55149300 | 3.68743600 | 0.50388500 | | | | |
| N | 4.39893400 | 4.46886900 | 0.39495900 | | | | |
| H | -0.94356100 | -1.80255900 | 3.69178600 | C | -0.71883200 | -0.99632400 | 1.04265100 |
| H | -0.06859100 | -0.24980900 | 3.61703800 | C | -1.60880100 | -0.52052500 | 0.17055300 |
| H | -2.32484500 | 0.59314700 | 3.75956000 | C | 1.68158000 | 1.21367900 | 0.26885800 |
| H | -2.97692500 | -0.80336500 | 2.85164000 | C | 1.62130500 | 0.10230900 | 1.38904100 |
| | | | | C | 0.18567700 | -0.16385100 | 1.90560200 |
| | | | | H | 1.35842200 | 0.21677500 | -2.90623300 |

INT-AC

INT-AD

| | | | | | | | |
|---|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| H | -0.61399800 | -2.07685400 | 1.09883400 | H | -3.77703600 | 4.64187700 | 1.53150400 |
| C | 1.84460600 | 0.60001900 | -2.00824800 | H | -4.81258900 | 3.36356400 | 0.85016800 |
| C | 3.08976600 | 1.71095000 | 0.17991600 | H | -3.95370400 | 3.09749600 | 2.38304600 |
| H | -0.27173600 | 0.81003600 | 2.10224200 | H | 1.03376500 | 2.01845900 | 0.65615200 |
| C | 3.83356300 | 1.50590100 | -0.94658300 | | | | |
| C | 3.23683000 | 0.89510500 | -2.07691400 | | | | |
| H | 3.52743900 | 2.19405700 | 1.04836700 | TS10 | | | |
| H | 3.80516300 | 0.70636100 | -2.97797900 | C | -2.99046200 | 0.12655400 | -0.17318300 |
| N | 1.08621300 | 0.76170300 | -0.97059500 | C | -2.31791300 | 0.34631100 | -1.48628600 |
| C | 5.21166500 | 1.92735500 | -0.99577800 | C | -1.79580800 | -0.72958900 | -0.56192400 |
| N | 6.31704700 | 2.26566800 | -1.03727600 | H | -1.68423900 | 1.22123200 | -1.59059000 |
| C | 2.42062400 | -1.12674700 | 1.01079600 | H | -2.83737700 | 0.01629200 | -2.37973400 |
| C | 3.61595500 | -1.40067600 | 1.68210200 | H | -1.99917300 | -1.76415200 | -0.81987000 |
| C | 2.02045100 | -1.99430500 | -0.01429900 | C | -0.51441200 | -0.45710900 | 0.13602900 |
| C | 4.39148100 | -2.50836500 | 1.35203400 | C | 0.44074200 | -1.50654700 | 0.21564700 |
| H | 3.94409100 | -0.73298400 | 2.47554900 | C | 0.26469600 | -2.42325700 | -0.33263500 |
| C | 2.79439000 | -3.10321900 | -0.34450600 | H | 1.54968900 | -1.33587100 | 1.01646600 |
| H | 1.10121000 | -1.79716900 | -0.55468300 | C | 1.57513500 | -0.45896900 | 1.66136700 |
| C | 3.98076200 | -3.36464200 | 0.33532200 | H | 3.63921000 | -1.96215100 | 2.09221300 |
| H | 5.31613500 | -2.69919300 | 1.88737700 | H | 4.62088100 | -1.92338400 | 1.60953400 |
| H | 2.46642800 | -3.76529400 | -1.13982500 | H | 3.46351100 | -1.02863000 | 2.62819700 |
| H | 4.58176500 | -4.22944900 | 0.07301200 | H | 3.62395700 | -2.79526800 | 2.80311000 |
| H | 2.14212600 | 0.56797900 | 2.23698500 | C | 2.77533700 | -3.23411200 | 0.14603100 |
| H | 0.29379500 | -0.66378100 | 2.87505300 | H | 2.21603900 | -4.12176500 | 0.46283800 |
| O | -2.25487800 | -1.42799300 | -0.66386900 | H | 3.83769800 | -3.47476900 | 0.07354900 |
| C | -5.65197700 | -2.31238100 | -1.13179800 | H | 2.42362300 | -2.91765300 | -0.83938600 |
| C | -5.75658800 | -1.22941800 | -0.03752900 | H | -6.32391000 | -2.13574800 | 1.08382900 |
| H | -6.32391000 | -2.13040100 | -1.97405300 | N | -0.32738300 | 0.69106000 | 0.62343500 |
| H | -5.85182400 | -3.31332000 | -0.73297500 | O | -6.18193600 | -0.29709100 | -0.42625400 |
| H | -6.18193600 | -0.29709100 | -0.42625400 | H | -4.34557000 | -1.55106500 | 0.82472500 |
| H | -6.34557000 | -1.55106500 | 0.82472500 | C | -5.360637400 | -1.53578400 | -0.62078600 |
| B | -3.60637400 | -1.53578400 | -0.62078600 | C | -4.40915600 | -0.99539100 | 0.35884100 |
| O | -4.40915600 | -0.99539100 | 0.35884100 | C | -4.30014600 | -2.24529700 | -1.57039700 |
| O | -4.30014600 | -2.24529700 | -1.57039700 | C | -1.92191500 | 0.88922200 | -0.10927200 |
| C | -1.92191500 | 0.88922200 | -0.10927200 | H | -1.67289600 | 1.24007800 | -1.10595400 |
| H | -1.67289600 | 1.24007800 | -1.10595400 | C | -2.47845300 | 1.68681000 | 0.81698400 |
| C | -2.47845300 | 1.68681000 | 0.81698400 | H | -2.76728400 | 1.26262200 | 1.77786500 |
| H | -2.76728400 | 1.26262200 | 1.77786500 | N | -2.70870500 | 3.04559900 | 0.70984900 |
| N | -2.70870500 | 3.04559900 | 0.70984900 | C | -2.42770700 | 3.65831700 | -0.56923300 |
| C | -2.42770700 | 3.65831700 | -0.56923300 | H | -3.09854700 | 3.29660700 | -1.36536100 |
| H | -3.09854700 | 3.29660700 | -1.36536100 | C | -2.53867400 | 4.74140400 | -0.48097500 |
| H | -2.53867400 | 4.74140400 | -0.48097500 | H | -1.39813100 | 3.43297200 | -0.86173200 |
| H | -1.39813100 | 3.43297200 | -0.86173200 | C | -3.87756000 | 3.56143300 | 1.39674100 |
| C | -3.87756000 | 3.56143300 | 1.39674100 | B | | | |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| O | -0.04162800 | 2.64111400 | -1.00802400 | C | 0.92302100 | 4.30855900 | 0.82713000 |
| O | 0.72209000 | 2.96495000 | 1.15468900 | B | 0.36934400 | 2.15970000 | 0.42410200 |
| C | 3.10216200 | 1.49628400 | 0.57453800 | O | 0.07793800 | 2.82300500 | -0.77035300 |
| C | 4.20044700 | 0.72329700 | 0.37863700 | O | 0.81342000 | 3.02268600 | 1.42159900 |
| C | 4.28104400 | -0.14048700 | -0.76100700 | C | 3.14955500 | 1.14483400 | 0.75706300 |
| C | 3.22950900 | -0.03884900 | -1.72658000 | C | 4.11481400 | 0.15816200 | 0.61934300 |
| C | 2.16262600 | 0.76659500 | -1.49040300 | C | 4.11887400 | -0.58603000 | -0.56336300 |
| N | 2.04207000 | 1.49576300 | -0.31865900 | C | 3.22557600 | -0.26576900 | -1.58676800 |
| H | 2.98152200 | 2.15727500 | 1.42450600 | C | 2.31049600 | 0.75490200 | -1.35282700 |
| H | 5.01206900 | 0.75528700 | 1.09701500 | N | 2.26327100 | 1.42172000 | -0.20194800 |
| H | 3.27584600 | -0.60905500 | -2.64708900 | H | 3.03975300 | 1.72333400 | 1.67139200 |
| H | 1.33640100 | 0.87167700 | -2.18398500 | H | 4.80865500 | -0.06620200 | 1.42098500 |
| C | 5.28809900 | -1.12165800 | -0.85733900 | H | 3.21902800 | -0.82304800 | -2.51592700 |
| N | 6.08933600 | -1.97040600 | -0.88461900 | H | 1.55175000 | 1.02695200 | -2.08272300 |
| H | -0.63488000 | 4.60840300 | -0.90510200 | C | 4.98142600 | -1.73285000 | -0.68593800 |
| H | -1.92423600 | 3.41583500 | -0.61592100 | N | 5.64426600 | -2.67884400 | -0.76166900 |
| H | -0.42733800 | 4.64400800 | 1.49423500 | H | 1.76101800 | 3.95023900 | -1.16447200 |
| H | -1.27580600 | 3.08280800 | 1.64850900 | H | 0.21476600 | 4.83750600 | -1.20252800 |
| | | | | H | 0.12060300 | 4.95116600 | 1.20860800 |
| | | | | H | 1.88464700 | 4.76429800 | 1.08261200 |
| | | | | H | -2.81733000 | 0.79558700 | 1.14672100 |
| | | | | C | -4.36494500 | -0.29509600 | 0.07002200 |

TS11

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.09211700 | 0.46339600 | 0.14953900 | C | -5.06368400 | -0.59727800 | 1.24315800 |
| C | -2.60842200 | 1.33734100 | -0.96939900 | C | -4.89817900 | -0.73343000 | -1.14804600 |
| C | -1.88811600 | 0.05000600 | -0.70871900 | C | -6.25817500 | -1.30920900 | 1.20403600 |
| H | -2.10278800 | 2.25856500 | -0.71184300 | H | -4.66267900 | -0.26363300 | 2.19639600 |
| H | -3.22398400 | 1.38606800 | -1.86231200 | C | -6.09085600 | -1.44700600 | -1.18935400 |
| H | -2.09580900 | -0.76864500 | -1.39332400 | H | -4.37785000 | -0.51443700 | -2.07739200 |
| C | -0.56321900 | -0.03990600 | -0.07100200 | C | -6.77850500 | -1.73806300 | -0.01350300 |
| C | 0.17781300 | -1.21880400 | -0.07781400 | H | -6.78355200 | -1.52890200 | 2.12841100 |
| H | -0.13208800 | -1.97441900 | -0.79494600 | H | -6.48606100 | -1.77672700 | -2.14540500 |
| C | 1.23568100 | -1.48246500 | 0.77795900 | H | -7.70996700 | -2.29365300 | -0.04697600 |
| H | 1.42806800 | -0.80857600 | 1.60727100 | | | | |
| C | 2.86086000 | -2.95713100 | 1.81354900 | | | | |
| H | 3.81075000 | -3.40962600 | 1.51181100 | | | | |
| H | 3.07265400 | -2.09745400 | 2.45651500 | | | | |
| H | 2.28832700 | -3.68998600 | 2.40063300 | | | | |

TS12

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 1.99517700 | -3.45539900 | -0.43425300 | C | -1.86711900 | 0.90447000 | 0.61132200 |
| H | 2.90755000 | -4.05161800 | -0.51543600 | C | -1.05713100 | 1.70590100 | -0.33804400 |
| H | 1.84453500 | -2.91796700 | -1.37729200 | C | -0.51131700 | 0.36477500 | -0.67937500 |
| H | 1.13904900 | -4.13116600 | -0.28488200 | H | -0.35104100 | 2.38893300 | 0.13176900 |
| N | 2.15034200 | -2.50184800 | 0.63779800 | H | -1.60008800 | 2.20549600 | -1.13881100 |
| O | -0.20890800 | 0.96068700 | 0.80674900 | H | -1.06662000 | -0.22502000 | -1.40068900 |
| C | 0.77783600 | 4.05550900 | -0.68741900 | C | 0.66152900 | -0.17508900 | -0.18532300 |
| | | | | C | 1.11871500 | -1.49957800 | -0.45586800 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 0.50194400 | -2.08642700 | -1.12821000 | C | 1.33027800 | -0.32105200 | -1.84694900 |
| C | 2.25565400 | -2.01355100 | 0.08432200 | C | 2.65561400 | -0.67770100 | -1.64067100 |
| H | 2.81946600 | -1.41612000 | 0.79556300 | H | 2.86633900 | -1.21255500 | -0.72280700 |
| C | 3.61293000 | -3.86431100 | 0.83567000 | C | 3.64748900 | -0.17829000 | -2.44976600 |
| H | 4.30905100 | -4.57756400 | 0.38592300 | H | 3.37987100 | 0.36434100 | -3.35400500 |
| H | 4.19266400 | -3.10032600 | 1.35839500 | C | 5.95518200 | 0.12417900 | -3.17438200 |
| H | 2.99701100 | -4.39692700 | 1.57600400 | H | 6.51605800 | -0.73898500 | -3.54743900 |
| C | 2.08320400 | -4.13928100 | -1.05838200 | H | 5.46737400 | 0.61469700 | -4.01728600 |
| H | 1.14272000 | -4.48291500 | -0.59909100 | H | 6.65635300 | 0.82617800 | -2.71372600 |
| H | 2.70451500 | -5.00968200 | -1.27945400 | C | 5.40752800 | -0.91418700 | -0.97437400 |
| H | 1.84433200 | -3.63849100 | -2.00049400 | H | 4.85449800 | -0.49237600 | -0.12896000 |
| N | 2.81708100 | -3.23686500 | -0.20110100 | H | 6.47211800 | -0.71487100 | -0.84914700 |
| O | 1.41256100 | 0.55739600 | 0.72109800 | H | 5.24649700 | -1.99774100 | -0.99678000 |
| C | 2.82134800 | 3.38612900 | -0.92446200 | N | 4.95364400 | -0.29030800 | -2.20926500 |
| C | 3.47767800 | 3.42628700 | 0.47286100 | O | 1.26773300 | 1.39776900 | -0.97018400 |
| B | 2.08936000 | 1.66609300 | 0.32348900 | C | -0.97796100 | 4.16342300 | -1.25526200 |
| O | 2.14854900 | 2.13101300 | -0.96737100 | C | -0.22066900 | 4.46290600 | 0.05682100 |
| O | 2.78132500 | 2.43670600 | 1.22411600 | B | 0.51516900 | 2.53136400 | -0.84464800 |
| H | 3.54865600 | 3.44301800 | -1.73761900 | O | -0.28270800 | 3.05136500 | -1.82739700 |
| H | 2.08627500 | 4.18825300 | -1.05354600 | O | 0.55869700 | 3.29212100 | 0.29953300 |
| H | 3.37549000 | 4.39854200 | 0.96066500 | H | -0.95558400 | 4.99981000 | -1.95750300 |
| H | 4.54038900 | 3.16367800 | 0.43257900 | H | -2.01584300 | 3.87403400 | -1.06565500 |
| H | -1.43594700 | 0.73815700 | 1.59284200 | H | -0.90072200 | 4.62694400 | 0.89541800 |
| C | -3.18262700 | 0.38940300 | 0.35094700 | H | 0.45204200 | 5.32224300 | -0.03692000 |
| C | -3.85916100 | -0.34025200 | 1.35351200 | H | -0.59225200 | 0.25592300 | 0.17754000 |
| C | -3.84494700 | 0.56438100 | -0.88409600 | C | -2.44814100 | 1.25630900 | -0.05975200 |
| C | -5.12771000 | -0.85228400 | 1.13824400 | C | -2.26319800 | 1.96871000 | 1.13154600 |
| H | -3.36785400 | -0.49130000 | 2.31095500 | C | -3.52739500 | 1.59503300 | -0.88346500 |
| C | -5.11371300 | 0.04276800 | -1.09451400 | C | -3.13229000 | 2.99893400 | 1.48434000 |
| H | -3.35779800 | 1.11054500 | -1.68687500 | H | -1.42553200 | 1.71027200 | 1.77725500 |
| C | -5.76820500 | -0.66702500 | -0.08879000 | C | -4.39748000 | 2.62414100 | -0.53026800 |
| H | -5.62466900 | -1.40280000 | 1.93146700 | H | -3.68949500 | 1.04848900 | -1.80860100 |
| H | -5.59846800 | 0.19246700 | -2.05478100 | C | -4.20053900 | 3.33253200 | 0.65349000 |
| H | -6.76064400 | -1.07131200 | -0.25721000 | H | -2.97550100 | 3.54003200 | 2.41306900 |
| | | | | H | -5.23066000 | 2.87201400 | -1.18046100 |
| | | | | H | -4.87830000 | 4.13413900 | 0.92920600 |
| | | | | C | 1.68719000 | -3.11949800 | 2.51332200 |
| | | | | C | 2.32340000 | -2.05986800 | 1.59002000 |
| C | -1.52316800 | 0.10813100 | -0.38393700 | B | 0.00149900 | -2.07253800 | 1.44136200 |
| C | -1.18771900 | 0.03391500 | -1.88936600 | O | 0.42849600 | -3.36228100 | 1.94716800 |
| C | 0.11092500 | -0.66877800 | -2.15387600 | O | 1.23973100 | -1.40418400 | 0.97337700 |
| H | -1.13137800 | 1.04414000 | -2.30109700 | C | -0.93529100 | -3.21863300 | -0.57657600 |
| H | -1.98183100 | -0.49602500 | -2.42091600 | C | -1.84091000 | -3.48154200 | -1.56282000 |
| H | 0.07843600 | -1.65424600 | -2.62163900 | C | -3.10062100 | -2.77109600 | -1.47384400 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.27847400 | -1.75477100 | -0.60020300 | C | -3.24217600 | -1.58739000 | -1.91798700 |
| C | -2.11426300 | -1.22670300 | 0.19358000 | H | -2.90715900 | -2.43775900 | -2.50856300 |
| N | -1.07108800 | -2.24318500 | 0.34628300 | C | -5.35877000 | -2.77630100 | -1.74496800 |
| H | -0.04473900 | -3.82849700 | -0.44746800 | H | -6.24332200 | -2.40429700 | -2.27210800 |
| H | -1.71186500 | -4.30591700 | -2.24858300 | H | -4.84013800 | -3.48677900 | -2.38948400 |
| H | -4.24983200 | -1.28913100 | -0.47390500 | H | -5.68383000 | -3.29200100 | -0.83643600 |
| H | -2.46114600 | -0.95230800 | 1.19468500 | C | -4.95917600 | -0.65239200 | -0.50094000 |
| C | -4.21321400 | -3.21264500 | -2.27934600 | H | -4.18017300 | -0.39607700 | 0.22457700 |
| N | -5.09395000 | -3.56232700 | -2.94469000 | H | -5.83989800 | -1.03631400 | 0.01528700 |
| H | 1.58639500 | -2.71950300 | 3.53727700 | H | -5.23422600 | 0.25409400 | -1.05157000 |
| H | 2.27180300 | -4.04414100 | 2.56716900 | N | -4.46628400 | -1.68376300 | -1.40767300 |
| H | 2.95573300 | -2.54982000 | 0.82897000 | O | -0.49654700 | -2.11935200 | -0.94745500 |
| H | 2.95874400 | -1.34821000 | 2.13791900 | C | 2.77146700 | -3.56289700 | -0.92227700 |
| O | -0.55659500 | -1.19847800 | 2.50833400 | C | 2.16774600 | -4.05071200 | 0.40876600 |
| H | 1.86173800 | 1.21072100 | -0.11216900 | B | 0.67614500 | -2.78420100 | -0.71031400 |
| O | 2.66384900 | 1.04189100 | 1.03520400 | O | 1.65927900 | -3.00754400 | -1.63430900 |
| H | 2.00807700 | 0.75856700 | 1.75672000 | O | 0.94358600 | -3.32237300 | 0.52789500 |
| O | 1.01868200 | 0.74420400 | 2.96405900 | H | 3.21277500 | -4.36823200 | -1.51264100 |
| H | 0.35897500 | 0.00166700 | 2.77702500 | H | 3.51692800 | -2.77659800 | -0.75927600 |
| C | 3.23152900 | 2.27403700 | 1.46103600 | H | 2.81058100 | -3.82557000 | 1.26186900 |
| H | 4.09535500 | 2.08937700 | 2.10883700 | H | 1.94044200 | -5.12203300 | 0.39394100 |
| H | 3.56432500 | 2.82584400 | 0.57750400 | H | 0.66638600 | -0.40026000 | 0.23081100 |
| H | 2.49004600 | 2.87823100 | 1.98990400 | C | 2.77163800 | -0.26243200 | 0.35289400 |
| C | 1.61050100 | 0.47416700 | 4.21660500 | C | 2.78811500 | -0.94255900 | 1.57570700 |
| H | 2.09807600 | -0.50972300 | 4.23819600 | C | 3.98765300 | -0.03926700 | -0.30217900 |
| H | 2.36515600 | 1.24022100 | 4.41687800 | C | 3.98167000 | -1.41006100 | 2.11853800 |
| H | 0.86696600 | 0.50780400 | 5.02153200 | H | 1.84468000 | -1.10752700 | 2.09208700 |
| C | -1.43345700 | -1.82083800 | 3.41834200 | C | 5.18361000 | -0.50867100 | 0.23728200 |
| H | -0.90408300 | -2.54675500 | 4.04666400 | H | 4.00085900 | 0.50207800 | -1.24381800 |
| H | -1.88932900 | -1.05295700 | 4.05093500 | C | 5.18400700 | -1.20294400 | 1.44465400 |
| H | -2.22861900 | -2.35947400 | 2.88627000 | H | 3.97319200 | -1.93765600 | 3.06789800 |
| | | | | H | 6.11692500 | -0.32961100 | -0.28715000 |
| | | | | H | 6.11546300 | -1.57067500 | 1.86282600 |
| | | | | C | -2.85716600 | 3.13315800 | 2.36157100 |
| | | | | C | -3.53565300 | 2.55091500 | 1.11543500 |

TS13-2

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|------------|-------------|
| C | 1.45366000 | 0.22678300 | -0.19993300 | B | -1.33774500 | 1.75495400 | 1.27716600 |
| C | 1.40886700 | 0.11576100 | -1.74141900 | O | -1.48978800 | 2.91202100 | 2.13997000 |
| C | 0.01120900 | 0.11547600 | -2.29131500 | O | -2.68291900 | 1.49971100 | 0.71872900 |
| H | 1.92314700 | -0.79621700 | -2.05812000 | C | -0.64007900 | 2.74200600 | -0.90746200 |
| H | 1.94475300 | 0.95868500 | -2.18526000 | C | 0.23994300 | 3.39756300 | -1.71587700 |
| H | -0.26027900 | 0.90218300 | -2.99423100 | C | 1.61026200 | 3.46512700 | -1.24661100 |
| C | -1.03111300 | -0.60245500 | -1.95139900 | C | 2.03104000 | 2.71429800 | -0.20486300 |
| C | -2.39427000 | -0.52488400 | -1.69755700 | C | 1.12318000 | 1.65551800 | 0.36194500 |
| H | -2.69830900 | 0.32002700 | -1.08119400 | N | -0.29062400 | 1.98991900 | 0.16029000 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -1.71346700 | 2.80986300 | -1.07432800 | H | 4.25547100 | -2.92220300 | -0.39504100 |
| H | -0.09369500 | 3.99629400 | -2.55096600 | N | 4.52779700 | -0.98953800 | -1.20349300 |
| H | 3.01861500 | 2.84830600 | 0.22244900 | O | 1.05761700 | 1.51981900 | -0.24977600 |
| H | 1.28785300 | 1.57347100 | 1.44111600 | C | 4.24315000 | 2.89980900 | -0.97867400 |
| C | 2.50836000 | 4.42264800 | -1.84375800 | C | 4.05780700 | 3.28332800 | 0.50165300 |
| N | 3.22661200 | 5.17910700 | -2.34629300 | B | 2.24793300 | 2.14854200 | -0.23332200 |
| H | -3.20727000 | 2.60821500 | 3.26711800 | O | 2.96458300 | 2.42865200 | -1.38587100 |
| H | -3.05643800 | 4.20224400 | 2.49273300 | O | 2.91352000 | 2.54337000 | 0.91025500 |
| H | -3.60596900 | 3.31312800 | 0.32328500 | H | 4.97586900 | 2.08800200 | -1.09206400 |
| H | -4.54602200 | 2.17173000 | 1.31594900 | H | 4.55087000 | 3.73975900 | -1.60527100 |
| O | -0.85981100 | 0.54469700 | 2.02768500 | H | 3.85800900 | 4.35372100 | 0.62038600 |
| H | -1.06554900 | -1.94211800 | -0.04464000 | H | 4.91529100 | 3.01471900 | 1.12284000 |
| O | -1.74639200 | -1.61246500 | 1.08302400 | H | -1.10958200 | 1.30748100 | 0.32935900 |
| H | -1.42494100 | -0.68258000 | 1.40499600 | C | -3.12063500 | 1.67050100 | -0.11172800 |
| C | -1.55347100 | -2.55128700 | 2.13357700 | C | -3.28505100 | 2.34927800 | 1.10129900 |
| H | -1.68971300 | -3.55506100 | 1.72528600 | C | -4.14730600 | 1.75288200 | -1.05683700 |
| H | -0.54182000 | -2.48952800 | 2.54644500 | C | -4.43049100 | 3.09246700 | 1.36259700 |
| H | -2.28832900 | -2.38205100 | 2.92648800 | H | -2.49598700 | 2.28324300 | 1.84736000 |
| C | -1.27044300 | 0.48307700 | 3.38045900 | C | -5.29587000 | 2.49901700 | -0.80037100 |
| H | -2.35413400 | 0.30731700 | 3.45729500 | H | -4.06599100 | 1.22469400 | -2.00191800 |
| H | -0.74620300 | -0.34377600 | 3.86966700 | C | -5.44144500 | 3.17292600 | 0.40785800 |
| H | -1.03156000 | 1.41845500 | 3.89111000 | H | -4.53295000 | 3.61102100 | 2.31072700 |
| | | | | H | -6.08025400 | 2.54894300 | -1.54907100 |
| | | | | H | -6.33628000 | 3.75426600 | 0.60532900 |
| | | | | C | -0.19346300 | -2.76736100 | 3.25701300 |
| | | | | C | 1.25898300 | -2.79706600 | 2.75911700 |

TS13-3

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -1.86317300 | 0.84029700 | -0.29694400 | B | 0.03005400 | -1.10001700 | 1.73241300 |
| C | -1.35397200 | 0.88954200 | -1.75227200 | O | -0.61396200 | -1.45681000 | 2.97939800 |
| C | -0.18073600 | -0.00918600 | -2.04626800 | O | 1.26903200 | -1.89636600 | 1.66801400 |
| H | -1.07667300 | 1.92467600 | -1.97436800 | C | -0.62681300 | -2.46624800 | -0.28801400 |
| H | -2.14851000 | 0.60328800 | -2.44395500 | C | -1.47917400 | -2.96538000 | -1.22205700 |
| H | -0.35156200 | -0.85087000 | -2.72139200 | C | -2.81232300 | -2.39346300 | -1.24608600 |
| C | 1.02674200 | -0.06694600 | -1.56085000 | C | -3.13755400 | -1.33816600 | -0.47241100 |
| C | 2.13903000 | -0.77941000 | -1.17531700 | C | -2.09381600 | -0.59045500 | 0.31594600 |
| H | 1.99942800 | -1.47300500 | -0.34693900 | N | -0.85627400 | -1.37687400 | 0.48575400 |
| C | 3.39417500 | -0.48054900 | -1.67306100 | H | 0.32873100 | -2.94631000 | -0.10014900 |
| H | 3.49114400 | 0.22898700 | -2.49099800 | H | -1.23944400 | -3.84824900 | -1.79619700 |
| C | 5.79895300 | -0.77292600 | -1.87326900 | H | -4.15885300 | -0.97648500 | -0.42688900 |
| H | 6.17848300 | -1.71173900 | -2.28946400 | H | -2.48136700 | -0.38842600 | 1.32580200 |
| H | 5.66708600 | -0.05560400 | -2.68414600 | C | -3.83072300 | -3.02186700 | -2.05109800 |
| H | 6.53456700 | -0.38166800 | -1.16451100 | N | -4.63114200 | -3.52686500 | -2.71826000 |
| C | 4.51729700 | -1.90948800 | -0.07016200 | H | -0.28596400 | -2.98299900 | 4.32653400 |
| H | 3.78782200 | -1.58284900 | 0.67541700 | H | -0.79817300 | -3.50153900 | 2.70020700 |
| H | 5.51269300 | -1.92357100 | 0.37558200 | H | 1.57783700 | -3.79744000 | 2.44030200 |

| | | | | | | | |
|-------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|
| H | 1.94763800 | -2.44733700 | 3.54328500 | C | -3.62401700 | 1.08639800 | -0.89941200 |
| H | 0.75621600 | 1.00427300 | 0.67202300 | C | -3.71114400 | 2.47694600 | 1.50857800 |
| O | 0.33546300 | 0.36672200 | 1.75795000 | H | -1.87211700 | 1.44532800 | 1.97887900 |
| C | 1.03680300 | 0.79844300 | 2.91692200 | C | -4.67820100 | 1.95830100 | -0.63505100 |
| H | 1.30209700 | 1.84938300 | 2.78357100 | H | -3.59905200 | 0.54502200 | -1.84132600 |
| H | 0.40293300 | 0.66901500 | 3.79527200 | C | -4.72330000 | 2.66024100 | 0.56771200 |
| H | 1.95439500 | 0.21216300 | 3.04324800 | H | -3.74293800 | 3.01208900 | 2.45337100 |
| | | | | H | -5.46538300 | 2.08915200 | -1.37105300 |
| | | | | H | -5.54421100 | 3.34004700 | 0.77277700 |
| TS14 | | | | C | 2.09351700 | -2.72541400 | 2.91621200 |
| | | | | C | 2.63561300 | -1.72725600 | 1.87844300 |
| C | -1.46875800 | -0.07444900 | -0.18882800 | B | 0.30382200 | -1.88447000 | 1.78389400 |
| C | -1.00684800 | -0.11447600 | -1.66010600 | O | 0.83518400 | -3.08098400 | 2.41965100 |
| C | 0.39919200 | -0.61762100 | -1.81267300 | O | 1.49395500 | -1.12824500 | 1.31856400 |
| H | -1.06836900 | 0.88981600 | -2.08597000 | C | -0.29172400 | -3.25379300 | -0.22473400 |
| H | -1.66787100 | -0.76360200 | -2.23996000 | C | -1.06124900 | -3.70657000 | -1.25723900 |
| H | 0.54719100 | -1.61082600 | -2.24061700 | C | -2.42398700 | -3.21433300 | -1.29769700 |
| C | 1.52774200 | -0.07332500 | -1.45311600 | C | -2.84115000 | -2.22031800 | -0.48190600 |
| C | 2.89145200 | -0.15946800 | -1.21399900 | C | -1.85592900 | -1.48352100 | 0.38347400 |
| H | 3.19291400 | -0.53906300 | -0.24494500 | N | -0.65611600 | -2.28266200 | 0.63665500 |
| C | 3.78404300 | 0.39922100 | -2.09781500 | H | 0.67798500 | -3.69684400 | -0.00973100 |
| H | 3.42450100 | 0.78301900 | -3.05005400 | H | -0.74372000 | -4.52331000 | -1.88853200 |
| C | 6.00353000 | 1.00577500 | -2.90369300 | H | -3.88186600 | -1.91483400 | -0.45927400 |
| H | 6.71364800 | 0.22452100 | -3.19360700 | H | -2.31862300 | -1.26303800 | 1.35116300 |
| H | 5.43522500 | 1.30604100 | -3.78455200 | C | -3.37446800 | -3.84999500 | -2.17758500 |
| H | 6.56281300 | 1.86978300 | -2.53258000 | N | -4.12436400 | -4.35232300 | -2.90288300 |
| C | 5.65070000 | 0.10993000 | -0.60154000 | H | 2.00899600 | -2.24000500 | 3.90622200 |
| H | 5.09232300 | 0.58523400 | 0.21147600 | H | 2.72989300 | -3.60944700 | 3.03445600 |
| H | 6.69475600 | 0.41973600 | -0.55496400 | H | 3.21053000 | -2.26336800 | 1.10262400 |
| H | 5.59339800 | -0.97733100 | -0.47930800 | H | 3.30022400 | -0.96936800 | 2.32283800 |
| N | 5.09315200 | 0.51880900 | -1.88315100 | O | -0.42097400 | -1.00188800 | 2.73335900 |
| O | 1.11693500 | 1.59758300 | -0.56669600 | H | 1.68496800 | 1.52107900 | 0.31963000 |
| C | -1.48599000 | 4.01808100 | -0.94416700 | H | -0.94183000 | -1.54921900 | 3.33077800 |
| C | -0.84214500 | 4.40349500 | 0.40757900 | O | 2.45390300 | 1.63391700 | 1.51462500 |
| B | 0.21083300 | 2.61309500 | -0.47888900 | H | 2.03671600 | 1.11177400 | 2.27148300 |
| O | -0.62865200 | 3.00818500 | -1.48316900 | H | 2.32992400 | 2.55404600 | 1.78387300 |
| O | 0.11605500 | 3.37640700 | 0.66386700 | O | 1.37694200 | 0.64358800 | 3.65458100 |
| H | -1.53318300 | 4.85708000 | -1.64253400 | H | 0.64145000 | 0.03351500 | 3.35336700 |
| H | -2.48682100 | 3.59796900 | -0.81094800 | H | 1.97536200 | 0.07909000 | 4.15446000 |
| H | -1.57474100 | 4.42486000 | 1.21793100 | | | | |
| H | -0.32467400 | 5.36757000 | 0.36377200 | | | | |
| H | -0.62528600 | 0.23832600 | 0.43699700 | TS14-2 | | | |
| C | -2.59912600 | 0.90061800 | 0.03431500 | | | | |
| C | -2.65956800 | 1.60265700 | 1.24427500 | C | 1.36392200 | 0.21170000 | -0.14909600 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 1.22598800 | 0.07607100 | -1.68179600 | O | -1.41851000 | 2.64425400 | 2.50310600 |
| C | -0.20736000 | 0.06873200 | -2.13164700 | O | -2.70710300 | 1.38822800 | 1.00994200 |
| H | 1.71521800 | -0.84545700 | -2.01230900 | C | -0.82863000 | 2.70282600 | -0.70293900 |
| H | 1.73317400 | 0.90849400 | -2.17658600 | C | -0.03069100 | 3.37492600 | -1.58081600 |
| H | -0.54019100 | 0.86417300 | -2.79767400 | C | 1.37527000 | 3.45306700 | -1.23644100 |
| C | -1.21125600 | -0.66661000 | -1.72242300 | C | 1.89446500 | 2.70828400 | -0.23558300 |
| C | -2.55718100 | -0.61740900 | -1.38070100 | C | 1.05219700 | 1.64491900 | 0.41631500 |
| H | -2.83690700 | 0.21684600 | -0.73897200 | N | -0.37833400 | 1.95210700 | 0.32574200 |
| C | -3.41158500 | -1.67616700 | -1.59387400 | H | -1.91303200 | 2.75043900 | -0.77872400 |
| H | -3.09746900 | -2.51484900 | -2.21205800 | H | -0.44348300 | 3.97484100 | -2.37871000 |
| C | -5.52081900 | -2.87130600 | -1.36967000 | H | 2.91798700 | 2.84550500 | 0.09558600 |
| H | -6.43029400 | -2.49337100 | -1.84805600 | H | 1.30628500 | 1.58170800 | 1.48030000 |
| H | -5.02805900 | -3.56411800 | -2.05269200 | C | 2.21035800 | 4.41296700 | -1.91594500 |
| H | -5.80125900 | -3.40925600 | -0.45906100 | N | 2.87571800 | 5.17166300 | -2.48361800 |
| C | -5.08686800 | -0.75924500 | -0.11784300 | H | -3.04012100 | 2.11459000 | 3.69228100 |
| H | -4.29266900 | -0.51958600 | 0.59649800 | H | -2.98051500 | 3.81487600 | 3.17048300 |
| H | -5.96014900 | -1.14350400 | 0.41049800 | H | -3.63423600 | 3.23978600 | 0.91541400 |
| H | -5.36320300 | 0.15851500 | -0.64882900 | H | -4.52745600 | 1.97592200 | 1.80008200 |
| N | -4.62076300 | -1.77948200 | -1.05041100 | O | -0.78035000 | 0.35451500 | 2.13586700 |
| O | -0.58543200 | -2.17733000 | -0.77004600 | H | -1.13028000 | -2.05827400 | 0.15721200 |
| C | 2.69965400 | -3.59812800 | -0.65166400 | H | -0.80256200 | 0.52874900 | 3.08348600 |
| C | 2.08386700 | -4.01275200 | 0.69977100 | O | -1.64162300 | -1.89789900 | 1.41390100 |
| B | 0.60310700 | -2.80030900 | -0.49939800 | H | -1.37619400 | -0.95167800 | 1.72997600 |
| O | 1.60415700 | -3.04875000 | -1.39290000 | H | -1.09857800 | -2.50603800 | 1.93463700 |
| O | 0.85598400 | -3.28196200 | 0.77037800 | | | | |
| H | 3.11831400 | -4.44251300 | -1.20339100 | | | | |
| H | 3.46677800 | -2.82748300 | -0.52568800 | | | | |
| H | 2.71932100 | -3.73873400 | 1.54395000 | | | | |
| H | 1.85825000 | -5.08355100 | 0.74287600 | C | -1.86129900 | 0.86562200 | -0.20571400 |
| H | 0.60671600 | -0.41148800 | 0.33560400 | C | -1.35913800 | 0.93657500 | -1.66191700 |
| C | 2.71304800 | -0.25710100 | 0.34098300 | C | -0.14815600 | 0.09087100 | -1.96026800 |
| C | 2.79540000 | -0.87633400 | 1.59355800 | H | -1.12926400 | 1.98319000 | -1.88595500 |
| C | 3.89052400 | -0.07157700 | -0.39019000 | H | -2.14300200 | 0.61382400 | -2.35032300 |
| C | 4.01642800 | -1.31900100 | 2.09381500 | H | -0.28612700 | -0.75140900 | -2.64252200 |
| H | 1.87856800 | -1.01398500 | 2.16345600 | C | 1.06223700 | 0.07018800 | -1.47761100 |
| C | 5.11417700 | -0.51686800 | 0.10690700 | C | 2.19246500 | -0.63438700 | -1.11657800 |
| H | 3.85311100 | 0.42101800 | -1.35777200 | H | 2.06795100 | -1.34647900 | -0.30071000 |
| C | 5.18040600 | -1.14875200 | 1.34624800 | C | 3.44035000 | -0.31157800 | -1.61366000 |
| H | 4.06081400 | -1.79846600 | 3.06769200 | H | 3.53131900 | 0.40544000 | -2.42661800 |
| H | 6.01792500 | -0.36742900 | -0.47569300 | C | 5.84794900 | -0.59652600 | -1.82059200 |
| H | 6.13329800 | -1.49756600 | 1.73120600 | H | 6.21996600 | -1.53378600 | -2.24735100 |
| C | -2.76967800 | 2.78618500 | 2.85857300 | H | 5.71516500 | 0.12868300 | -2.62462600 |
| C | -3.52728600 | 2.37773200 | 1.59291500 | H | 6.59086800 | -0.21513500 | -1.11385000 |
| B | -1.32881900 | 1.59560100 | 1.49544900 | C | 4.56928900 | -1.72271200 | -0.00488300 |

TS14-3

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 3.86132900 | -1.37036500 | 0.75031000 | H | -0.72511800 | -3.51082600 | 2.69278100 |
| H | 5.57270300 | -1.76091400 | 0.42106200 | H | 1.62687500 | -3.81806600 | 2.30073300 |
| H | 4.27225100 | -2.73055100 | -0.31501800 | H | 2.07214700 | -2.53057100 | 3.44733800 |
| N | 4.58042700 | -0.80997500 | -1.14375300 | O | 0.33698500 | 0.37523300 | 1.79990600 |
| O | 1.06811800 | 1.62191200 | -0.16233800 | H | 0.76572100 | 1.08951600 | 0.72870700 |
| C | 4.36144800 | 2.88177100 | -0.60401400 | H | 0.76110200 | 0.58462600 | 2.63971800 |
| C | 4.19717500 | 2.91799300 | 0.92965500 | | | | |
| B | 2.31069700 | 2.13766800 | -0.03147100 | | | | |
| O | 3.05928700 | 2.59137100 | -1.09893300 | | | | |
| O | 2.98393400 | 2.21318900 | 1.16883800 | | | | |
| H | 5.04767000 | 2.08195300 | -0.91489500 | C | 1.48164500 | -0.82364300 | -0.65573800 |
| H | 4.71650000 | 3.82744200 | -1.01942200 | C | 1.47603800 | -0.38149300 | -2.11926900 |
| H | 4.09994600 | 3.94234300 | 1.30455600 | C | 0.09088400 | -0.18181900 | -2.67646200 |
| H | 5.01955400 | 2.42817500 | 1.45663100 | H | 1.96207900 | -1.14410000 | -2.73657100 |
| H | -1.11047500 | 1.33326500 | 0.42416000 | H | 2.05405200 | 0.54327400 | -2.25282200 |
| C | -3.12491300 | 1.68210900 | -0.00643500 | H | -0.03320700 | -0.32339700 | -3.75221500 |
| C | -3.29161800 | 2.34022700 | 1.21733900 | C | -1.02613700 | 0.09451400 | -2.06202000 |
| C | -4.15406500 | 1.77053600 | -0.94801400 | C | -2.36597500 | 0.18884100 | -1.88368900 |
| C | -4.44215600 | 3.06976800 | 1.49308700 | H | -2.84929100 | 1.15519600 | -1.80039100 |
| H | -2.50031200 | 2.26729500 | 1.96041400 | C | -3.02014400 | -0.98537100 | -1.48629900 |
| C | -5.30800800 | 2.50317100 | -0.67695000 | H | -2.46474600 | -1.91710400 | -1.52262000 |
| H | -4.06945800 | 1.25723800 | -1.90117900 | C | -4.86179600 | -2.33393400 | -0.68592400 |
| C | -5.45589300 | 3.15699500 | 0.54202400 | H | -5.74797400 | -2.52346100 | -1.29849200 |
| H | -4.54697500 | 3.57175200 | 2.44995500 | H | -4.13981900 | -3.13640300 | -0.83616200 |
| H | -6.09457300 | 2.55972800 | -1.42306500 | H | -5.15141200 | -2.31200200 | 0.36806500 |
| H | -6.35507800 | 3.72751400 | 0.75133600 | C | -5.05911500 | 0.14628600 | -0.86789700 |
| C | -0.08772700 | -2.80063800 | 3.24411500 | H | -4.49373500 | 0.82715400 | -0.22590300 |
| C | 1.34153200 | -2.82824000 | 2.67996200 | H | -5.99764800 | -0.12850100 | -0.38741600 |
| B | 0.07692300 | -1.09458900 | 1.75781800 | H | -5.27682200 | 0.61368300 | -1.83272400 |
| O | -0.50705100 | -1.47768600 | 3.02676500 | N | -4.26070700 | -1.06236800 | -1.05841800 |
| O | 1.32082300 | -1.87657200 | 1.63415900 | O | -1.31641700 | -1.27503000 | 0.63906100 |
| C | -0.60569800 | -2.40892100 | -0.29663100 | H | 0.66864500 | -1.54285600 | -0.51255100 |
| C | -1.46761400 | -2.87986300 | -1.23805000 | C | 2.77210900 | -1.48326000 | -0.21938800 |
| C | -2.81249000 | -2.33761600 | -1.20364700 | C | 2.73733500 | -2.33195200 | 0.89267500 |
| C | -3.13738300 | -1.31693200 | -0.38384600 | C | 4.00064600 | -1.25126200 | -0.84197900 |
| C | -2.08086300 | -0.57465200 | 0.39364100 | C | 3.89541300 | -2.93664800 | 1.36688300 |
| N | -0.84373000 | -1.36474400 | 0.53244200 | H | 1.78268500 | -2.51221400 | 1.38268000 |
| H | 0.36309500 | -2.87699900 | -0.14897600 | C | 5.16387400 | -1.85628700 | -0.36903900 |
| H | -1.22363600 | -3.73209900 | -1.85522400 | H | 4.05836300 | -0.58846500 | -1.70100500 |
| H | -4.16450000 | -0.98134400 | -0.29341100 | C | 5.11505100 | -2.70086100 | 0.73497200 |
| H | -2.44979200 | -0.38474400 | 1.41227600 | H | 3.84717900 | -3.59404900 | 2.22926700 |
| C | -3.84168000 | -2.96300600 | -1.99733700 | H | 6.10975000 | -1.66305900 | -0.86516600 |
| N | -4.65221900 | -3.46373800 | -2.65545100 | H | 6.02094000 | -3.17193000 | 1.10240300 |
| H | -0.13452500 | -3.04899700 | 4.30954500 | C | -1.51626700 | 1.45105800 | 2.87768000 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -2.86895100 | 1.43755700 | 2.15201600 | H | -4.66999100 | 0.71995200 | -0.14022600 |
| B | -1.29020600 | 0.12198500 | 1.02417800 | H | -6.13076800 | -0.20508300 | -0.62135800 |
| O | -0.87743000 | 0.29340800 | 2.40972900 | H | -5.15157400 | 0.59231100 | -1.86590000 |
| O | -2.60013800 | 0.80025000 | 0.91892900 | N | -4.30872500 | -1.13156900 | -1.01914000 |
| C | -0.45103100 | 2.17359400 | -0.21558600 | O | -1.20466100 | -1.70442500 | 0.51308700 |
| C | 0.50847600 | 3.10271300 | -0.38916700 | H | 0.76859200 | -1.59940000 | -0.56477100 |
| C | 1.89225800 | 2.69972700 | -0.16746100 | C | 2.85328800 | -1.31717400 | -0.26072400 |
| C | 2.19086600 | 1.43674400 | 0.18001300 | C | 2.91453700 | -2.18630000 | 0.83425300 |
| C | 1.14237800 | 0.36192700 | 0.29259700 | C | 4.04710900 | -0.95025900 | -0.88548900 |
| N | -0.24132500 | 0.83197400 | 0.04460200 | C | 4.13121000 | -2.67953100 | 1.28962300 |
| H | -1.50192700 | 2.43504400 | -0.29492700 | H | 1.98696000 | -2.47128200 | 1.32655400 |
| H | 0.26566300 | 4.12785200 | -0.63069900 | C | 5.26967900 | -1.44272900 | -0.43119700 |
| H | 3.21443100 | 1.14771200 | 0.39742000 | H | 4.03159000 | -0.27170400 | -1.73393700 |
| H | 1.17104300 | -0.03823500 | 1.31678600 | C | 5.31574100 | -2.30911400 | 0.65548300 |
| C | 2.94016000 | 3.68178300 | -0.28144400 | H | 4.15630300 | -3.35434900 | 2.13948500 |
| N | 3.77084400 | 4.48109300 | -0.38830700 | H | 6.18684600 | -1.14537900 | -0.92999800 |
| H | -1.61536800 | 1.42304400 | 3.96810400 | H | 6.26759100 | -2.69266300 | 1.00842900 |
| H | -0.94839900 | 2.35587000 | 2.60468500 | C | -1.61447000 | 0.74166200 | 3.02464700 |
| H | -3.27135300 | 2.44612900 | 1.98964600 | C | -2.98258200 | 0.69674900 | 2.32571900 |
| H | -3.61158600 | 0.85857200 | 2.72323100 | B | -1.33186500 | -0.35990300 | 1.03512100 |
| C | -2.09963100 | -2.07018200 | 1.48711600 | O | -0.89606600 | -0.30419100 | 2.42458600 |
| H | -2.19304100 | -3.07265200 | 1.04949800 | O | -2.71326600 | 0.17411100 | 1.04099800 |
| H | -1.65616400 | -2.16214100 | 2.48517200 | C | -0.81113700 | 1.92406500 | 0.03569400 |
| H | -3.10962800 | -1.64500400 | 1.60939200 | C | 0.00214100 | 2.99212400 | -0.07346800 |
| | | | | C | 1.43987600 | 2.76047200 | -0.00064200 |
| | | | | C | 1.92283900 | 1.52269000 | 0.19667100 |
| | | | | C | 1.03059000 | 0.31571700 | 0.31361800 |
| | | | | N | -0.41081200 | 0.60289800 | 0.12486700 |

TS16

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 1.49621000 | -0.79008800 | -0.67703900 | H | -1.89045400 | 2.04322300 | 0.02616500 |
| C | 1.44632800 | -0.30467900 | -2.12389700 | H | -0.39031700 | 3.99314700 | -0.18417400 |
| C | 0.05060200 | -0.18092000 | -2.67516400 | H | 2.99107900 | 1.35145400 | 0.29256600 |
| H | 1.98146800 | -1.01245200 | -2.76552000 | H | 1.15113100 | -0.10239500 | 1.32526600 |
| H | 1.95548200 | 0.66267300 | -2.23464600 | C | 2.34310600 | 3.87715500 | -0.11136200 |
| H | -0.05939300 | -0.30379400 | -3.75546900 | N | 3.05490900 | 4.78488300 | -0.20989500 |
| C | -1.09260200 | 0.01340000 | -2.07962400 | H | -1.68296900 | 0.58900500 | 4.10707200 |
| C | -2.44068700 | 0.08999000 | -1.94555200 | H | -1.12421100 | 1.71201500 | 2.84319800 |
| H | -2.92786200 | 1.05800300 | -1.90874400 | H | -3.44805900 | 1.68975400 | 2.25540500 |
| C | -3.07621500 | -1.06401900 | -1.47200400 | H | -3.67675500 | 0.03488500 | 2.86700300 |
| H | -2.48654100 | -1.97070100 | -1.39356000 | H | -1.28828000 | -2.28751900 | 1.27495900 |
| C | -4.69310900 | -2.24771200 | -0.16716300 | | | | |
| H | -5.72493500 | -2.53955900 | -0.37341200 | | | | |
| H | -4.02855400 | -3.09157900 | -0.35143100 | | | | |
| H | -4.58932500 | -1.93708300 | 0.87821100 | | | | |
| C | -5.11635300 | 0.07526500 | -0.90521000 | | | | |

TS17

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|---|-------------|------------|-------------|
| C | -1.10472400 | 0.50558600 | -1.31177700 |
|---|-------------|------------|-------------|

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 0.20628200 | 1.11607900 | -1.82756500 | H | -0.88257500 | 1.80783700 | 0.32313200 |
| C | 1.33150500 | 1.12618600 | -0.76135300 | O | 1.02242700 | 3.89702200 | -0.06409200 |
| H | 0.00561400 | 2.15880100 | -2.08386100 | H | -0.05846400 | 3.70365400 | -0.20286800 |
| H | 0.53633400 | 0.59134300 | -2.72846600 | C | -2.10084800 | 4.04841100 | 0.48973600 |
| H | 2.31438600 | 1.10620100 | -1.23204500 | H | -1.57925400 | 4.90072800 | 0.96055200 |
| C | 1.23043100 | 0.09898400 | 0.30149200 | H | -3.01080700 | 4.45622700 | 0.01471300 |
| C | 2.35856000 | -0.57485800 | 0.85720200 | H | -2.45596700 | 3.41423400 | 1.33319600 |
| H | 2.25053600 | -1.05647500 | 1.81952600 | C | 1.49340600 | 4.44796600 | -1.25313600 |
| C | 3.58943100 | -0.57474600 | 0.25105000 | H | 2.06853300 | 3.71862200 | -1.85995300 |
| H | 3.72005000 | -0.11722000 | -0.72416800 | H | 0.67007900 | 4.80691300 | -1.89042200 |
| C | 5.95985100 | -1.10121500 | 0.02564400 | H | 2.16579900 | 5.29775300 | -1.06528500 |
| H | 6.30457500 | -2.12029500 | -0.17537400 | | | | |
| H | 5.82404100 | -0.58397800 | -0.92431800 | | | | |
| H | 6.72657700 | -0.57610000 | 0.60312500 | | | | |
| C | 4.68240600 | -1.75591200 | 2.05852400 | | | | |
| H | 4.35986100 | -1.04455300 | 2.82578800 | C | 1.18435800 | -1.15477200 | 0.70650400 |
| H | 5.68575300 | -2.10504000 | 2.30020000 | C | -0.04574200 | -2.04256200 | 0.40267700 |
| H | 3.99973800 | -2.61296800 | 2.06225700 | C | -1.34917800 | -1.38463300 | 0.88206500 |
| N | 4.70181400 | -1.12117500 | 0.75259800 | H | 0.07953300 | -3.01837100 | 0.87824800 |
| H | -1.93900700 | 1.11016100 | -1.67835900 | H | -0.09058400 | -2.21620200 | -0.67936200 |
| C | -1.32788900 | -0.95435300 | -1.64312300 | H | -2.21296800 | -2.04413400 | 0.81074500 |
| C | -2.63081100 | -1.46221500 | -1.67371900 | C | -1.55680300 | -0.10991500 | 0.19536400 |
| C | -0.26734100 | -1.84342600 | -1.84632100 | C | -2.82152100 | 0.35683100 | -0.29077000 |
| C | -2.86929100 | -2.81523100 | -1.89000900 | H | -2.96076400 | 1.42177400 | -0.42685600 |
| H | -3.46759500 | -0.78375500 | -1.52693700 | C | -3.86704400 | -0.49365900 | -0.51935700 |
| C | -0.50120900 | -3.19922000 | -2.06209600 | H | -3.72055700 | -1.56624200 | -0.43371200 |
| H | 0.75659500 | -1.47636500 | -1.83988200 | C | -6.11471100 | -1.11274000 | -1.23994500 |
| C | -1.80289100 | -3.69036500 | -2.08190000 | H | -6.35223800 | -1.04803400 | -2.30772900 |
| H | -3.88910700 | -3.18569400 | -1.91192400 | H | -5.73995000 | -2.11452000 | -1.02742000 |
| H | 0.33635300 | -3.87174000 | -2.22009100 | H | -7.03299600 | -0.95597700 | -0.66643200 |
| H | -1.98656300 | -4.74600600 | -2.25326600 | C | -5.44911900 | 1.27103400 | -1.01057000 |
| C | -0.30844900 | -1.22820000 | 1.59598700 | H | -5.18447200 | 1.81793100 | -0.10037700 |
| C | -1.53553000 | -1.42346800 | 2.08840400 | H | -6.52196700 | 1.36634800 | -1.17817300 |
| C | -2.61641200 | -0.48770500 | 1.78412200 | H | -4.91729900 | 1.72122900 | -1.85797800 |
| C | -2.39901700 | 0.48936600 | 0.88754000 | N | -5.11339800 | -0.13188900 | -0.86541900 |
| C | -1.09087000 | 0.71038000 | 0.23100900 | H | 1.59939400 | -1.46543700 | 1.67261000 |
| N | 0.00490700 | -0.11904400 | 0.78596700 | C | 2.26010700 | -1.32515800 | -0.34569900 |
| H | 0.48075300 | -1.95290600 | 1.73022800 | C | 3.33093300 | -2.19087900 | -0.11953100 |
| H | -1.73993800 | -2.30732900 | 2.67905200 | C | 2.19268900 | -0.65055900 | -1.56938100 |
| H | -3.17593800 | 1.19238300 | 0.60080000 | C | 4.31167500 | -2.38430500 | -1.08970700 |
| C | -3.89485300 | -0.66372100 | 2.41408400 | H | 3.39749800 | -2.71543600 | 0.83050700 |
| N | -4.91822400 | -0.83218500 | 2.92801100 | C | 3.17188500 | -0.83777300 | -2.53869700 |
| H | 1.28478500 | 2.13165400 | -0.25000500 | H | 1.37141600 | 0.03729900 | -1.76046300 |
| O | -1.30180800 | 3.35807700 | -0.40517600 | C | 4.23469200 | -1.70755700 | -2.30264300 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 5.13892600 | -3.05911900 | -0.89361700 | N | -4.63801400 | 0.68923700 | 0.76371100 |
| H | 3.10919400 | -0.29891700 | -3.47887200 | H | 2.01385000 | -1.10902300 | -1.98771200 |
| H | 5.00077800 | -1.85039400 | -3.05773000 | C | 1.39539000 | 0.89511400 | -1.51023900 |
| C | -0.43362200 | 1.81630500 | -0.71754900 | C | 2.69461000 | 1.39697800 | -1.37824100 |
| C | 0.57846300 | 2.69153900 | -0.67725600 | C | 0.33723500 | 1.80859300 | -1.55763800 |
| C | 1.72192500 | 2.45936200 | 0.19816500 | C | 2.93116000 | 2.76421000 | -1.28587500 |
| C | 1.78997700 | 1.30139600 | 0.88705200 | H | 3.53042000 | 0.70217300 | -1.34879200 |
| C | 0.71319200 | 0.30838000 | 0.93422400 | C | 0.56909000 | 3.17876700 | -1.46346800 |
| N | -0.46845600 | 0.66757400 | 0.09367900 | H | -0.68279300 | 1.44945100 | -1.67304800 |
| H | -1.24297300 | 1.90903300 | -1.42799700 | C | 1.86638900 | 3.66151200 | -1.32426400 |
| H | 0.57489500 | 3.54491900 | -1.34370100 | H | 3.94831900 | 3.12942600 | -1.18634500 |
| H | 2.66762900 | 1.06679400 | 1.48333600 | H | -0.26705800 | 3.87023900 | -1.50360300 |
| H | 0.25909400 | 0.25077200 | 2.03396200 | H | 2.04841200 | 4.72895400 | -1.25359600 |
| C | 2.78001000 | 3.42592000 | 0.24837400 | C | 0.32425200 | 0.43449900 | 1.71209200 |
| N | 3.62371400 | 4.21901700 | 0.27041300 | C | 1.53941400 | 0.49922500 | 2.26484500 |
| H | -1.18570200 | -1.05341800 | 2.02654700 | C | 2.62306900 | -0.34834600 | 1.77060800 |
| O | -0.58897700 | -0.28828800 | 3.16904000 | C | 2.41868800 | -1.07978300 | 0.66181600 |
| C | 0.20417600 | -1.04615800 | 4.00838000 | C | 1.12725000 | -1.13984800 | -0.05103500 |
| H | 0.30444700 | -2.10502100 | 3.68124700 | N | 0.02535400 | -0.44818400 | 0.65547000 |
| H | 1.24082600 | -0.65825000 | 4.08716900 | H | -0.46673200 | 1.11225100 | 1.99712300 |
| H | -0.18040800 | -1.08380800 | 5.04280900 | H | 1.73175800 | 1.21657100 | 3.05236900 |
| | | | | H | 3.19662400 | -1.70980500 | 0.23946700 |
| | | | | C | 3.88593400 | -0.35072900 | 2.45377600 |
| | | | | N | 4.89854700 | -0.33186100 | 3.01461300 |
| | | | | H | -1.32118300 | -2.37249500 | -0.89766500 |

TS18

| | | | |
|---|-------------|-------------|-------------|
| C | 1.16987000 | -0.60180500 | -1.51099200 |
| C | -0.12798400 | -1.08011300 | -2.17365400 |
| C | -1.29213600 | -1.25425200 | -1.16733400 |
| H | 0.06765800 | -2.06653000 | -2.59976000 |
| H | -0.41133500 | -0.39451700 | -2.97789200 |
| H | -2.25965700 | -1.07788300 | -1.63917100 |
| C | -1.18961000 | -0.51871500 | 0.10375400 |
| C | -2.32267700 | 0.02200600 | 0.79224300 |
| H | -2.24190100 | 0.19776200 | 1.85672600 |
| C | -3.51517200 | 0.26654800 | 0.16624100 |
| H | -3.60515700 | 0.13584800 | -0.90762500 |
| C | -5.83263400 | 1.01362000 | 0.00520900 |
| H | -6.07371200 | 2.07824000 | 0.09294900 |
| H | -5.67090300 | 0.77863100 | -1.04712300 |
| H | -6.68417700 | 0.42904600 | 0.36605300 |
| C | -4.66720300 | 0.89542800 | 2.19956200 |
| H | -4.37271900 | -0.02069000 | 2.72140200 |
| H | -5.67958100 | 1.16277100 | 2.50146700 |
| H | -3.98590600 | 1.70257900 | 2.49369500 |

TS18-2

| | | | |
|---|-------------|-------------|-------------|
| C | 1.21237800 | -1.04311500 | 1.07642300 |
| C | -0.00557800 | -1.98191400 | 0.89815200 |
| C | -1.31941100 | -1.28058100 | 1.26852600 |
| H | 0.13236500 | -2.87996100 | 1.50634000 |
| H | -0.03518100 | -2.30940700 | -0.14857100 |
| H | -2.17978700 | -1.94597300 | 1.32198600 |
| C | -1.54446400 | -0.12584700 | 0.41923300 |
| C | -2.82500800 | 0.26717100 | -0.10688300 |
| H | -2.98631800 | 1.31384800 | -0.33411100 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.84127400 | -0.62675500 | -0.27000500 | C | 0.23982300 | -1.05127200 | -2.59919300 |
| H | -3.65984500 | -1.68493600 | -0.10156000 | H | -1.88839700 | -1.54163000 | -2.72483000 |
| C | -6.02823700 | -1.37262200 | -1.04650700 | H | -1.09382800 | -2.05890900 | -1.23946400 |
| H | -6.13821200 | -1.41096800 | -2.13732400 | H | 0.55422200 | -1.91372700 | -3.18920800 |
| H | -5.66116200 | -2.33996000 | -0.70056800 | C | 1.22105600 | -0.80818600 | -1.48949500 |
| H | -7.01225800 | -1.19693600 | -0.60267100 | C | 2.52284900 | -1.24650700 | -1.46493300 |
| C | -5.47244000 | 1.04210800 | -0.91030900 | H | 2.98421700 | -1.49241200 | -2.41737900 |
| H | -5.19676700 | 1.67619900 | -0.06259500 | C | 3.32906900 | -1.08617500 | -0.30593400 |
| H | -6.55162500 | 1.10176800 | -1.05552800 | H | 4.34973100 | -0.71540800 | -0.41767400 |
| H | -4.97225500 | 1.42346700 | -1.81067400 | C | 3.96715000 | -1.52574400 | 1.98152700 |
| N | -5.10446700 | -0.33209200 | -0.63828200 | H | 4.04941800 | -2.39594900 | 2.63598900 |
| H | 1.60845600 | -1.18974600 | 2.08936000 | H | 4.97176300 | -1.22836700 | 1.66811800 |
| C | 2.30838400 | -1.38086300 | 0.08766800 | H | 3.53295200 | -0.69539400 | 2.55653200 |
| C | 3.35051900 | -2.23258600 | 0.45558700 | C | 1.98824100 | -2.65907000 | 0.98698700 |
| C | 2.28377400 | -0.87885700 | -1.21750300 | H | 1.81701300 | -3.24898300 | 0.08214000 |
| C | 4.34604900 | -2.57968000 | -0.45448600 | H | 1.08592900 | -2.05182400 | 1.15861900 |
| H | 3.38353500 | -2.62391200 | 1.46978900 | H | 2.12733800 | -3.32754400 | 1.83830500 |
| C | 3.27718300 | -1.22097200 | -2.12829400 | N | 3.19183900 | -1.87420100 | 0.80847300 |
| H | 1.48434300 | -0.20391900 | -1.51795200 | H | -2.05911700 | 0.70046500 | -2.02390900 |
| C | 4.31191300 | -2.07398300 | -1.75002600 | C | -2.61343400 | -0.24927600 | -0.19716100 |
| H | 5.15184100 | -3.23940500 | -0.14803400 | C | -3.95541400 | -0.40309200 | -0.54905800 |
| H | 3.24782900 | -0.81522000 | -3.13473000 | C | -2.23903100 | -0.44428600 | 1.13394200 |
| H | 5.09003700 | -2.33630900 | -2.45959400 | C | -4.90743600 | -0.74434200 | 0.40739500 |
| C | -0.46592400 | 1.66580700 | -0.77473500 | H | -4.25668500 | -0.24719100 | -1.58245200 |
| C | 0.52471200 | 2.56131500 | -0.87007100 | C | -3.18868100 | -0.78720300 | 2.09158900 |
| C | 1.68276000 | 2.47755600 | 0.01142700 | H | -1.19980400 | -0.30543300 | 1.42319700 |
| C | 1.78344500 | 1.41860300 | 0.84620400 | C | -4.52546000 | -0.93911800 | 1.73169700 |
| C | 0.73204900 | 0.43186200 | 1.05082100 | H | -5.94824200 | -0.85184800 | 0.11885000 |
| N | -0.46800300 | 0.64241900 | 0.19177400 | H | -2.88470100 | -0.92839900 | 3.12398500 |
| H | -1.28556000 | 1.63880400 | -1.47927500 | H | -5.26600900 | -1.20040000 | 2.48050200 |
| H | 0.49270600 | 3.31246200 | -1.64963500 | C | 1.73216600 | 0.50499000 | 0.47267800 |
| H | 2.68018300 | 1.28035600 | 1.44520600 | C | 1.74809700 | 1.89632000 | 0.68538100 |
| H | 0.26729200 | 0.52968600 | 2.20361500 | C | 0.80835200 | 2.73065400 | 0.11535600 |
| C | 2.72028600 | 3.46070200 | -0.08321100 | C | -0.34796000 | 2.13121700 | -0.49841400 |
| N | 3.54916500 | 4.26455200 | -0.17883900 | C | -0.37684900 | 0.80603100 | -0.75497500 |
| H | -1.12379200 | -0.73937700 | 2.38401700 | N | 0.80104300 | 0.05226900 | -0.52295800 |
| O | -0.58339600 | 0.20113000 | 3.28207400 | H | 1.89252400 | -0.13153600 | 1.33404600 |
| H | -0.09222000 | -0.15784200 | 4.03126900 | H | 2.49195500 | 2.30467200 | 1.36340600 |
| | | | | H | -1.23092800 | 2.73168500 | -0.68979500 |
| | | | | C | 0.87722600 | 4.14637600 | 0.29314200 |
| | | | | N | 0.93000300 | 5.29665500 | 0.43413300 |
| | | | | H | 0.21409700 | -0.17302600 | -3.26020400 |

TS19

| | | | |
|---|-------------|-------------|-------------|
| C | -1.58470000 | 0.05387200 | -1.27594300 |
| C | -1.14567200 | -1.25050500 | -1.97730800 |

TS20

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -1.95061900 | -0.16141500 | -1.51239000 | H | 2.80569800 | -1.33843700 | 0.72793600 |
| C | -1.35865500 | -1.49770500 | -2.01120500 | O | 0.58335700 | -0.32655200 | 1.88028900 |
| C | -0.09716600 | -1.28908500 | -2.86130900 | H | 1.37092700 | -1.52294900 | 1.91589500 |
| H | -2.12717600 | -2.03447600 | -2.57375900 | O | 1.97229800 | -2.30469200 | 1.58239200 |
| H | -1.10225900 | -2.11435600 | -1.14218800 | C | 0.25923100 | 0.56949500 | 2.90703200 |
| H | 0.29836400 | -2.23771400 | -3.23159400 | H | 0.46991200 | 0.14086200 | 3.89563400 |
| C | 0.92108500 | -0.60264700 | -2.00503500 | H | 0.83561200 | 1.50613500 | 2.82049000 |
| C | 2.27162200 | -0.72949300 | -1.89608400 | H | -0.80541000 | 0.84355100 | 2.87432000 |
| H | 2.88992500 | -1.28887300 | -2.58316800 | C | 1.14008900 | -3.13836500 | 0.79478900 |
| C | 2.77187300 | 0.18307100 | -0.81505900 | H | 0.08500600 | -2.96464700 | 1.03550500 |
| H | 3.55345300 | 0.89734200 | -1.13073300 | H | 1.28381500 | -2.94338000 | -0.27805800 |
| C | 3.88967600 | 0.27225500 | 1.42508300 | H | 1.37561200 | -4.18828000 | 0.99292600 |
| H | 4.61061400 | 1.01243400 | 1.06733300 | | | | |
| H | 2.99765200 | 0.76611500 | 1.81090200 | | | | |
| H | 4.33589600 | -0.33624000 | 2.21285100 | | | | |
| C | 4.64722600 | -1.36892200 | -0.21176700 | | | | |
| H | 4.29173400 | -2.07655500 | -0.95959600 | C | -1.85879400 | -0.36560200 | -1.41002000 |
| H | 5.11392200 | -1.91257400 | 0.61046300 | C | -1.33167600 | -1.76868000 | -1.78562400 |
| H | 5.36744100 | -0.67942200 | -0.66062600 | C | -0.05530700 | -1.70454900 | -2.63760500 |
| N | 3.49323900 | -0.60960300 | 0.30648000 | H | -2.12458400 | -2.31325100 | -2.30520900 |
| H | -2.43621900 | 0.33349900 | -2.36324600 | H | -1.10745200 | -2.31951300 | -0.86548900 |
| C | -2.99913300 | -0.42191500 | -0.44518600 | H | 0.28733000 | -2.70267900 | -2.91824400 |
| C | -4.35567500 | -0.40705100 | -0.76180200 | C | 0.98784300 | -1.00470200 | -1.82513500 |
| C | -2.60163900 | -0.73942200 | 0.85944700 | C | 2.31715200 | -1.22724300 | -1.62960000 |
| C | -5.31237700 | -0.70312100 | 0.20828400 | H | 2.91707500 | -1.91191700 | -2.21163100 |
| H | -4.66705800 | -0.15737900 | -1.77327700 | C | 2.84634000 | -0.24897500 | -0.63101900 |
| C | -3.55736200 | -1.03655100 | 1.82426700 | H | 3.72876800 | 0.32789400 | -0.95717600 |
| H | -1.54142000 | -0.73108100 | 1.11877900 | C | 4.08108200 | 0.02136600 | 1.52322100 |
| C | -4.91466400 | -1.01928300 | 1.50258700 | H | 4.97418200 | 0.39205500 | 1.01193000 |
| H | -6.36665600 | -0.68111800 | -0.04892000 | H | 3.39732300 | 0.85025000 | 1.71860800 |
| H | -3.24077700 | -1.27615600 | 2.83484300 | H | 4.36233900 | -0.44435300 | 2.46935900 |
| H | -5.65767100 | -1.24599300 | 2.26050800 | C | 4.23840000 | -2.12452200 | 0.36963700 |
| C | 1.50499400 | 0.82862700 | -0.25701500 | H | 3.64236300 | -2.86233400 | -0.16504700 |
| C | 1.37030100 | 2.28526700 | -0.14168700 | H | 4.61017100 | -2.55347200 | 1.30154900 |
| C | 0.12680900 | 2.82577400 | -0.17639700 | H | 5.08353600 | -1.81140300 | -0.25168600 |
| C | -1.04645300 | 1.98479200 | -0.45831900 | N | 3.39062400 | -0.96195700 | 0.66915100 |
| C | -0.85923300 | 0.76228800 | -0.99719900 | H | -2.34571600 | 0.06703500 | -2.29306100 |
| N | 0.43887400 | 0.30466400 | -1.12173800 | C | -2.88552300 | -0.47472300 | -0.29680200 |
| H | 1.09992300 | 0.27619600 | 0.92406500 | C | -4.24103400 | -0.27568500 | -0.54474200 |
| H | 2.24111400 | 2.90700300 | 0.05460400 | C | -2.46818400 | -0.81841100 | 0.99545700 |
| H | -2.04556900 | 2.36488400 | -0.28578800 | C | -5.17667000 | -0.41582800 | 0.48033300 |
| C | -0.05388000 | 4.23122900 | 0.04045900 | H | -4.56817000 | -0.00544100 | -1.54563500 |
| N | -0.20746600 | 5.36600800 | 0.22029500 | C | -3.40113000 | -0.96134900 | 2.01436500 |
| H | -0.33048200 | -0.66285700 | -3.73177100 | H | -1.40564100 | -0.96162400 | 1.19655600 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -4.75860100 | -0.75988100 | 1.76026000 | H | 5.51628600 | -0.58882200 | -0.45350100 |
| H | -6.22997500 | -0.25253700 | 0.27550500 | N | 3.63969200 | -0.64356300 | 0.51091900 |
| H | -3.06963000 | -1.22667000 | 3.01354200 | H | -2.30509100 | -0.01043400 | -2.23376000 |
| H | -5.48429600 | -0.86747800 | 2.56000300 | C | -3.01347300 | -0.48023900 | -0.27561400 |
| C | 1.61905100 | 0.56671900 | -0.22949000 | C | -4.34521400 | -0.41030000 | -0.67956800 |
| C | 1.56781300 | 2.02377700 | -0.20382000 | C | -2.71628800 | -0.68638000 | 1.07709300 |
| C | 0.35758000 | 2.63016900 | -0.32170100 | C | -5.37601300 | -0.54329000 | 0.24946100 |
| C | -0.85311700 | 1.83085900 | -0.56233100 | H | -4.57815100 | -0.24649000 | -1.72892200 |
| C | -0.72438500 | 0.56022200 | -0.99803200 | C | -3.74612400 | -0.82240700 | 2.00087100 |
| N | 0.55430200 | 0.04353500 | -1.08842400 | H | -1.67507000 | -0.71999700 | 1.40017700 |
| H | 1.23407600 | -0.06902100 | 0.94395400 | C | -5.07765700 | -0.75139300 | 1.59134300 |
| H | 2.46467400 | 2.61009600 | -0.01593200 | H | -6.40916900 | -0.47991400 | -0.07716000 |
| H | -1.83350100 | 2.26901400 | -0.42162800 | H | -3.50953400 | -0.97936300 | 3.04868200 |
| C | 0.25045200 | 4.05398500 | -0.20745600 | H | -5.87753600 | -0.85256700 | 2.31793200 |
| N | 0.15652500 | 5.20564000 | -0.11140100 | C | 1.57608300 | 0.65670500 | -0.13566000 |
| H | -0.24537800 | -1.14302400 | -3.56099400 | C | 1.44824400 | 2.11797100 | -0.12065600 |
| H | 2.46641600 | -1.22644700 | 1.22031200 | C | 0.20495000 | 2.65649700 | -0.17330900 |
| O | 1.10085300 | -0.97840300 | 1.74924300 | C | -0.97165300 | 1.80021600 | -0.38161400 |
| C | 0.97569400 | -0.41559600 | 3.02927400 | C | -0.79136900 | 0.54352900 | -0.84197100 |
| H | 1.63958300 | -0.90605300 | 3.75540600 | N | 0.50276500 | 0.08065100 | -0.95949400 |
| H | 1.21955600 | 0.66082000 | 3.02683200 | H | 1.17581200 | 0.15283300 | 1.07977100 |
| H | -0.05192600 | -0.51135900 | 3.40395000 | H | 2.32216500 | 2.75141500 | 0.01476300 |
| | | | | H | -1.96869800 | 2.19219300 | -0.22605000 |
| | | | | C | 0.02864100 | 4.07481000 | -0.05613400 |
| | | | | N | -0.12081300 | 5.21979500 | 0.04542700 |
| | | | | H | -0.29035300 | -1.25577700 | -3.40162100 |

TS21

| | | | |
|---|-------------|-------------|-------------|
| C | -1.89183400 | -0.40177100 | -1.29446600 |
| C | -1.32791900 | -1.80932300 | -1.57902900 |
| C | -0.06384400 | -1.74745400 | -2.44714200 |
| H | -2.10545300 | -2.40958700 | -2.05900100 |
| H | -1.08491100 | -2.29025700 | -0.62430000 |
| H | 0.31971800 | -2.74511000 | -2.67249700 |
| C | 0.96466400 | -0.95580300 | -1.70115700 |
| C | 2.31215500 | -1.09024000 | -1.57757400 |
| H | 2.91448700 | -1.75045800 | -2.18526100 |
| C | 2.83865600 | -0.02600300 | -0.65666900 |
| H | 3.57971300 | 0.65964400 | -1.11044100 |
| C | 3.95588100 | 0.35534500 | 1.55335200 |
| H | 4.52734000 | 1.17706300 | 1.11218800 |
| H | 3.01924600 | 0.72237500 | 1.97107000 |
| H | 4.53959600 | -0.12660300 | 2.33878800 |
| C | 4.85994100 | -1.31762100 | 0.02985800 |
| H | 4.57756000 | -2.09152100 | -0.68276900 |
| H | 5.37189800 | -1.77571500 | 0.87703500 |

TS21-2

| | | | |
|---|-------------|-------------|-------------|
| C | -1.78029500 | -0.48182000 | -1.24177700 |
| C | -1.24850000 | -1.91258900 | -1.47494700 |
| C | 0.04264700 | -1.91800600 | -2.30546300 |
| H | -2.03101800 | -2.50261300 | -1.95959700 |
| H | -1.04231200 | -2.37656600 | -0.50394400 |
| H | 0.39455200 | -2.93518600 | -2.49022700 |
| C | 1.07109600 | -1.14440300 | -1.54204900 |
| C | 2.40224900 | -1.33432700 | -1.33285400 |

| | | | | | | | |
|--------------|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 3.00927000 | -2.05405300 | -1.86301300 | C | 1.49837800 | -1.67775300 | -1.81512100 |
| C | 2.92081000 | -0.27912900 | -0.40859300 | C | 1.29542700 | -0.26404600 | -1.32455300 |
| H | 3.78831800 | 0.29038300 | -0.78624300 | H | 0.61996300 | -2.31431700 | -1.78556900 |
| C | 4.15310000 | 0.16641900 | 1.71001200 | H | 2.16114400 | -1.80773800 | -2.66358500 |
| H | 5.02543600 | 0.54064000 | 1.16606200 | H | 1.85265600 | 0.51001300 | -1.84417100 |
| H | 3.44241800 | 0.98031400 | 1.86710500 | C | -0.07740800 | 0.16682100 | -0.98077300 |
| H | 4.46661400 | -0.23245400 | 2.67646500 | C | -0.96802100 | 0.69269000 | -1.86523700 |
| C | 4.36890200 | -2.04129700 | 0.69612900 | H | -0.81152300 | 0.75968500 | -2.92846100 |
| H | 3.79148500 | -2.83252300 | 0.22049200 | C | -2.15441400 | 1.11137600 | -1.10895700 |
| H | 4.76321200 | -2.39524300 | 1.65019700 | O | -0.73266500 | -0.97190200 | 0.05007600 |
| H | 5.19902200 | -1.74748400 | 0.04512200 | C | -2.14394000 | -3.64703300 | -1.06782700 |
| N | 3.48786800 | -0.88883800 | 0.92702300 | C | -3.05234800 | -3.48636600 | 0.15463800 |
| H | -2.21055200 | -0.12026800 | -2.18462200 | B | -2.06114300 | -1.48538300 | -0.37039300 |
| C | -2.87289900 | -0.49388300 | -0.18879400 | O | -1.95845200 | -2.32089700 | -1.52551700 |
| C | -4.20993200 | -0.32176800 | -0.53826200 | O | -2.70263000 | -2.21732900 | 0.67645600 |
| C | -2.54043100 | -0.72521000 | 1.15161900 | H | -2.58402600 | -4.26082400 | -1.85979000 |
| C | -5.20952900 | -0.37878200 | 0.43260700 | H | -1.17925900 | -4.08769500 | -0.77632100 |
| H | -4.47175600 | -0.13838000 | -1.57731000 | H | -2.89687000 | -4.26058700 | 0.91202400 |
| C | -3.53678800 | -0.78564800 | 2.11745800 | H | -4.11364000 | -3.49916400 | -0.13877000 |
| H | -1.49351800 | -0.84487700 | 1.43025500 | H | 1.61195700 | -1.62435200 | 0.37911500 |
| C | -4.87478500 | -0.61228300 | 1.76116200 | C | 3.57768100 | -1.04938400 | -0.39177800 |
| H | -6.24727900 | -0.23731800 | 0.14778400 | C | 4.16222400 | 0.21687700 | -0.34145600 |
| H | -3.27092600 | -0.96387600 | 3.15467600 | C | 4.40647300 | -2.17245500 | -0.30404300 |
| H | -5.65024100 | -0.65527800 | 2.51918500 | C | 5.54147900 | 0.36013900 | -0.20461600 |
| C | 1.68071500 | 0.54296700 | -0.05901200 | H | 3.53022400 | 1.09899100 | -0.40880900 |
| C | 1.61567300 | 1.99659200 | -0.13723400 | C | 5.78225900 | -2.03378400 | -0.16561700 |
| C | 0.40105600 | 2.58412200 | -0.29724000 | H | 3.95794600 | -3.16134300 | -0.35027600 |
| C | -0.80115500 | 1.76093900 | -0.49530100 | C | 6.35526300 | -0.76409000 | -0.11560700 |
| C | -0.65773100 | 0.46538400 | -0.84684900 | H | 5.97889300 | 1.35307600 | -0.16709600 |
| N | 0.62200300 | -0.05197300 | -0.88040400 | H | 6.41060700 | -2.91681600 | -0.10191500 |
| H | 1.31191600 | -0.02368500 | 1.17433500 | H | 7.42981100 | -0.65349000 | -0.01027800 |
| H | 2.50713300 | 2.60254600 | 0.01047000 | C | 0.18327200 | -0.75008600 | 3.43156500 |
| H | -1.78632700 | 2.20146300 | -0.40514300 | C | -1.34273800 | -0.84437700 | 3.33730100 |
| C | 0.28253000 | 4.01143700 | -0.27932200 | B | -0.52017000 | -0.19014300 | 1.32404300 |
| N | 0.17931900 | 5.16621700 | -0.25974000 | O | 0.59829300 | -0.64246100 | 2.07930100 |
| H | -0.13399800 | -1.44314300 | -3.27888900 | O | -1.63912800 | -0.05613200 | 2.19602600 |
| H | 2.55612800 | -1.14470500 | 1.50601200 | C | 0.88657300 | 1.91187200 | 0.75627600 |
| O | 1.21376300 | -0.94457100 | 1.97307900 | C | 0.97653400 | 3.21342100 | 0.47486900 |
| H | 1.10759700 | -0.58126100 | 2.86028000 | C | -0.20074700 | 3.91953000 | -0.04516900 |
| | | | | C | -1.37893500 | 3.29145900 | -0.16235100 |
| | | | | C | -1.54870700 | 1.83732500 | 0.15391900 |
| TS-AF | | | | N | -0.26398300 | 1.14025600 | 0.45994000 |
| C | 2.09813700 | -1.24109400 | -0.51200800 | H | 1.69287900 | 1.32754200 | 1.18745800 |
| | | | | H | 1.88418600 | 3.76583100 | 0.68148700 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -2.26406700 | 3.83285100 | -0.48264400 | C | -4.02054500 | -0.24028700 | -0.49058700 |
| H | -2.19937100 | 1.74647900 | 1.02985500 | C | -4.37043900 | 2.13670500 | -0.38489600 |
| C | -0.09064500 | 5.31811600 | -0.36512100 | C | -5.39489300 | -0.44599000 | -0.38692200 |
| N | 0.01261400 | 6.44242200 | -0.61878100 | H | -3.34481800 | -1.08817400 | -0.56380600 |
| H | 0.64296200 | -1.62820000 | 3.89388800 | C | -5.74138900 | 1.93391000 | -0.27844000 |
| H | 0.48690800 | 0.14461500 | 3.99238700 | H | -3.96483400 | 3.14501300 | -0.39027300 |
| H | -1.85738600 | -0.43976800 | 4.21322000 | C | -6.25807600 | 0.63944700 | -0.27928600 |
| H | -1.67240000 | -1.87629700 | 3.16152800 | H | -5.78915800 | -1.45738100 | -0.39023000 |
| N | -3.01827600 | -0.12152200 | -0.76661200 | H | -6.40927400 | 2.78598600 | -0.19893300 |
| C | -4.02642200 | 0.15744200 | 0.29054100 | H | -7.32847200 | 0.47951300 | -0.19849800 |
| C | -3.76541000 | -0.44158300 | -2.01269400 | C | 0.42140000 | 1.26239400 | 3.54018300 |
| H | -4.75210000 | -0.65572400 | 0.29489100 | C | 1.92131600 | 1.23062800 | 3.22418300 |
| H | -3.54501100 | 0.18910600 | 1.26478200 | B | 0.73580500 | 0.55060700 | 1.39711900 |
| H | -4.53367200 | 1.10137600 | 0.05959400 | O | -0.19292200 | 1.19776600 | 2.26426400 |
| H | -4.46588900 | 0.37235000 | -2.22749300 | O | 1.99832300 | 0.44023700 | 2.04860000 |
| H | -4.31099200 | -1.37390100 | -1.86842700 | C | -1.01220900 | -1.28491300 | 1.18096300 |
| H | -3.05593400 | -0.57326200 | -2.82673700 | C | -1.42930500 | -2.54320700 | 0.97732200 |
| H | -2.83104200 | 1.80077900 | -1.62777700 | C | -0.49843700 | -3.50096300 | 0.38057900 |
| | | | | C | 0.78586000 | -3.16784300 | 0.17648100 |
| | | | | C | 1.31236300 | -1.80851600 | 0.52610000 |
| | | | | N | 0.24883800 | -0.82310700 | 0.78878200 |
| | | | | H | -1.64670200 | -0.52453600 | 1.62372700 |

TS-AG

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -2.02211600 | 1.31248400 | -0.57216200 | H | -2.42481700 | -2.85398500 | 1.26605500 |
| C | -1.43322100 | 1.89202900 | -1.82097400 | H | 1.48236700 | -3.86993700 | -0.26836600 |
| C | -1.15913700 | 0.44887800 | -1.46063900 | H | 1.96204800 | -1.85842600 | 1.41021800 |
| H | -0.60486900 | 2.58507700 | -1.73969200 | C | -0.97295300 | -4.81410200 | 0.03027700 |
| H | -2.09940400 | 2.05096900 | -2.66200500 | N | -1.37419900 | -5.86432400 | -0.24482200 |
| H | -1.68757800 | -0.30334100 | -2.04058600 | H | 0.10843400 | 2.17263000 | 4.05966000 |
| C | 0.17012800 | -0.00974400 | -1.06257200 | H | 0.13028500 | 0.39218600 | 4.14578400 |
| C | 1.14276900 | -0.71248900 | -1.62037700 | H | 2.51711000 | 0.77397600 | 4.02018600 |
| H | 1.02216000 | -1.11087000 | -2.62018100 | H | 2.30290200 | 2.23850500 | 3.01795200 |
| C | 2.17412100 | -1.21698100 | -0.65829700 | N | 3.09724200 | -2.18958700 | -1.22746000 |
| O | 0.79139200 | 1.28463300 | 0.04817900 | C | 3.85790300 | -1.58617300 | -2.31481200 |
| C | 2.78505600 | 3.68208500 | -1.66525900 | C | 4.02525300 | -2.67334000 | -0.21149300 |
| C | 3.33090000 | 3.77289000 | -0.22301100 | H | 4.53751200 | -2.33157700 | -2.73536800 |
| B | 1.69183500 | 2.24013600 | -0.33099000 | H | 3.19005900 | -1.24356600 | -3.10632800 |
| O | 1.90264200 | 2.56015100 | -1.64686600 | H | 4.45588900 | -0.72091300 | -1.97408600 |
| O | 2.43215200 | 2.98026100 | 0.55161700 | H | 4.56764700 | -1.84928800 | 0.28605600 |
| H | 3.56969500 | 3.51648100 | -2.40655700 | H | 4.75630000 | -3.33561200 | -0.68122700 |
| H | 2.21766600 | 4.57510500 | -1.94626300 | H | 3.50176800 | -3.24866600 | 0.55621300 |
| H | 3.34254200 | 4.79479900 | 0.16211600 | H | 2.74375200 | -0.37372600 | -0.21710300 |
| H | 4.33747300 | 3.35109300 | -0.13752400 | | | | |
| H | -1.55799800 | 1.63597300 | 0.35777600 | | | | |
| C | -3.49463700 | 1.05204900 | -0.48989400 | | | | |

TS-AH

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 0.86016900 | -1.03026700 | -1.25365300 | N | 2.32975000 | 3.12402400 | -0.36834200 |
| C | 1.68905600 | -0.58898200 | -0.30447500 | C | 2.00278600 | 3.51582100 | 0.98570000 |
| C | -1.46362800 | 1.29901700 | 0.02052600 | H | 2.74416000 | 3.15577300 | 1.71696400 |
| C | -1.53379600 | -0.05064300 | -1.54950200 | H | 1.95350500 | 4.60549000 | 1.04190900 |
| C | -0.10062100 | -0.18480000 | -2.04310700 | H | 1.02653900 | 3.10530700 | 1.25994800 |
| H | -1.69430200 | -0.53436500 | 2.72388900 | C | 3.38992900 | 3.89145300 | -0.99405000 |
| H | 0.86447700 | -2.09984300 | -1.44731300 | H | 3.13078500 | 4.95348200 | -0.98091200 |
| C | -2.02215600 | 0.10575000 | 1.90668800 | H | 4.36013800 | 3.76262000 | -0.49050500 |
| C | -2.78298600 | 1.84657900 | -0.05508600 | H | 3.50006100 | 3.57691400 | -2.03470800 |
| H | 0.29845300 | 0.82516100 | -2.17154400 | H | -0.65235600 | 1.84101300 | -0.46579500 |
| C | -3.74669700 | 1.35017200 | 0.79833500 | | | | |
| C | -3.38220800 | 0.41641400 | 1.78722200 | | | | |
| H | -3.03307200 | 2.57665500 | -0.81742400 | | | | |
| H | -4.11866600 | -0.00256700 | 2.46078700 | | | | |
| N | -1.07220200 | 0.56130800 | 1.10913200 | C | 0.56991800 | -0.24229700 | 0.00536800 |
| C | -5.11475300 | 1.78772000 | 0.67963800 | C | -0.26578600 | 0.45468400 | -1.08903800 |
| N | -6.21442900 | 2.13271100 | 0.57822900 | C | -1.53027500 | 1.13680700 | -0.57516500 |
| C | -2.34929400 | -1.15604500 | -1.05046500 | H | -0.51874500 | -0.24998000 | -1.88621800 |
| C | -3.72584500 | -1.16131400 | -1.34753500 | H | 0.34844200 | 1.23433700 | -1.54433300 |
| C | -1.85412800 | -2.16315200 | -0.19973100 | H | -1.82463200 | 2.02238000 | -1.14254400 |
| C | -4.57253200 | -2.13106100 | -0.82892600 | C | -2.68515700 | 0.37166800 | -0.21157600 |
| H | -4.12820000 | -0.38294600 | -1.99173000 | C | -3.94804900 | 0.97702500 | -0.05058700 |
| C | -2.70352300 | -3.13728700 | 0.31089500 | H | -4.03001600 | 2.02519400 | -0.30536900 |
| H | -0.80961600 | -2.15477200 | 0.08878100 | C | -5.01501200 | 0.26211700 | 0.44920700 |
| C | -4.06277700 | -3.12493200 | 0.00453100 | H | -4.86617800 | -0.78357200 | 0.70544800 |
| H | -5.63003900 | -2.11002100 | -1.07203300 | C | -7.30185300 | -0.09135900 | 1.20334200 |
| H | -2.30221500 | -3.90347100 | 0.96689600 | H | -7.65514600 | 0.32081600 | 2.15312000 |
| H | -4.72221400 | -3.88376300 | 0.41349000 | H | -8.14177300 | -0.14054100 | 0.50412700 |
| H | -2.09960000 | 0.59469700 | -2.22581400 | H | -6.92521800 | -1.09967700 | 1.37495100 |
| H | -0.17069100 | -0.60416300 | -3.05750600 | C | -6.54442500 | 2.12960700 | 0.36336300 |
| O | 2.39957800 | -1.53523300 | 0.42478000 | H | -5.92235600 | 2.79348100 | 0.97173900 |
| C | 5.85560700 | -2.15140700 | 0.90205000 | H | -7.59329200 | 2.31893600 | 0.58863600 |
| C | 5.88050700 | -0.93145300 | -0.04329400 | H | -6.36309400 | 2.34411600 | -0.69425800 |
| H | 6.48220300 | -2.01498000 | 1.78681300 | N | -6.23838800 | 0.73696300 | 0.65694900 |
| H | 6.16609200 | -3.06925700 | 0.39037700 | O | -2.59466700 | -0.89877300 | 0.18281100 |
| H | 6.20916800 | -0.02205400 | 0.47256400 | C | -1.00469100 | -3.43499800 | -1.79399400 |
| H | 6.51428900 | -1.08626900 | -0.91989700 | C | -1.11088000 | -4.07234400 | -0.39142100 |
| B | 3.75711800 | -1.50960900 | 0.41972800 | B | -1.91921100 | -1.98828700 | -0.35350500 |
| O | 4.52548600 | -0.77057900 | -0.45056000 | O | -1.75177800 | -2.20940100 | -1.68360700 |
| O | 4.49229700 | -2.27251000 | 1.29225800 | O | -1.52689600 | -2.99862700 | 0.46421600 |
| C | 1.86545900 | 0.79430300 | 0.15980500 | H | -1.45239300 | -4.05035600 | -2.57672200 |
| H | 1.60186500 | 0.97680500 | 1.19671400 | H | 0.02982700 | -3.19340200 | -2.05468300 |
| C | 2.28556800 | 1.77352500 | -0.65813500 | H | -0.15369300 | -4.46106400 | -0.04259400 |
| H | 2.59809200 | 1.52641300 | -1.67212500 | H | -1.86883100 | -4.86101400 | -0.34658600 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -0.10117400 | -0.69387200 | 0.75341400 | H | 2.30699000 | 0.64560000 | -2.28636600 |
| C | 1.41179100 | -1.36028700 | -0.57019500 | H | 0.33503300 | 1.69807800 | -2.76694200 |
| C | 1.71379700 | -2.48582800 | 0.20588100 | C | -0.90022100 | 0.93253200 | -1.44807100 |
| C | 1.96634800 | -1.27423900 | -1.85398600 | C | -2.05358600 | 1.55183900 | -1.03728800 |
| C | 2.52800500 | -3.50075100 | -0.28930000 | H | -1.96542900 | 2.25623100 | -0.21603000 |
| H | 1.30174000 | -2.56006100 | 1.20991900 | C | -3.28862800 | 1.06024600 | -1.43339000 |
| C | 2.78039100 | -2.28741800 | -2.35146500 | H | -3.34874600 | 0.40181800 | -2.29647700 |
| H | 1.76524400 | -0.40060100 | -2.46721800 | C | -5.70982300 | 0.88640600 | -1.33305100 |
| C | 3.05957300 | -3.40971200 | -1.57425600 | H | -6.34147600 | 1.75716900 | -1.53428800 |
| H | 2.75335100 | -4.36225200 | 0.33291900 | H | -5.55615500 | 0.34078300 | -2.26493700 |
| H | 3.20119100 | -2.19861800 | -3.34861400 | H | -6.22149500 | 0.23837400 | -0.61530800 |
| H | 3.69571400 | -4.19954900 | -1.96081000 | C | -4.41149800 | 1.99565200 | 0.48896900 |
| C | 1.12939200 | 4.39876700 | -1.49728400 | H | -3.62256600 | 1.56277500 | 1.11495800 |
| C | 2.64509800 | 4.57820000 | -1.70659200 | H | -5.38061200 | 1.85288000 | 0.96781300 |
| B | 2.24686400 | 2.64477500 | -0.61286500 | H | -4.23722900 | 3.06817300 | 0.35584700 |
| O | 1.01989800 | 3.29904000 | -0.60702600 | N | -4.42487700 | 1.30430500 | -0.79879600 |
| O | 3.20092400 | 3.31817800 | -1.36427000 | O | -0.87897400 | -0.70114100 | -0.19980400 |
| C | 3.80098300 | 0.88858300 | 0.06998700 | C | -3.55495900 | -2.60888800 | -1.52131400 |
| C | 4.23514200 | 0.23265100 | 1.15217800 | C | -3.34529400 | -3.27471800 | -0.14905100 |
| C | 3.30372400 | -0.02103000 | 2.25620800 | B | -1.86799400 | -1.58856300 | -0.40938300 |
| C | 1.96758300 | 0.13962600 | 2.02047500 | O | -2.43168000 | -1.75093400 | -1.67183100 |
| C | 1.44582900 | 0.75028600 | 0.82444800 | O | -2.46598100 | -2.39419100 | 0.53557900 |
| N | 2.48915500 | 1.42152700 | 0.03103300 | H | -4.47432200 | -2.00596800 | -1.53764900 |
| H | 4.42250000 | 1.06308900 | -0.80291700 | H | -3.59386200 | -3.32451600 | -2.34589300 |
| H | 5.23828800 | -0.17413700 | 1.19216200 | H | -2.87205100 | -4.25816100 | -0.24597800 |
| H | 1.25107600 | -0.25250700 | 2.74540800 | H | -4.27440800 | -3.38729200 | 0.41540100 |
| H | 0.33989000 | 1.76692600 | 1.39742300 | H | 1.17230500 | -1.30303000 | -0.24156900 |
| C | 3.76904700 | -0.56188300 | 3.49224800 | C | 3.23564000 | -1.22752100 | -0.55140700 |
| N | 4.14406300 | -1.01523900 | 4.49387900 | C | 3.48231600 | -2.15084800 | 0.47423300 |
| H | 0.62068800 | 4.15654600 | -2.44038900 | C | 4.24321100 | -0.99847700 | -1.48976200 |
| H | 0.65304000 | 5.28101300 | -1.06111100 | C | 4.69664300 | -2.81812000 | 0.56231500 |
| H | 3.05283100 | 5.34946800 | -1.04202800 | H | 2.69476500 | -2.33597400 | 1.20271000 |
| H | 2.90421800 | 4.83398400 | -2.73789900 | C | 5.46317900 | -1.67034100 | -1.40543400 |
| O | -0.59660000 | 2.23950300 | 1.69976000 | H | 4.09322100 | -0.29736300 | -2.30489900 |
| H | -1.25009600 | 1.63554400 | 0.50629600 | C | 5.69534200 | -2.57966000 | -0.38106700 |
| H | -0.84348800 | 1.78357100 | 2.51540400 | H | 4.86378400 | -3.53066700 | 1.36409100 |
| | | | | H | 6.23211600 | -1.47850200 | -2.14740600 |
| | | | | H | 6.64494900 | -3.10132300 | -0.31737200 |
| | | | | C | -0.50708800 | -1.29315200 | 3.23741800 |
| | | | | C | -1.87543300 | -0.62190900 | 3.04723100 |
| C | 1.88345000 | -0.53328900 | -0.53308800 | B | -0.50735400 | -0.23477400 | 1.21901700 |
| C | 1.49134200 | 0.02072200 | -1.91064900 | O | 0.02956100 | -1.36637500 | 1.93656900 |
| C | 0.26480400 | 0.89336500 | -2.03065100 | O | -1.70133100 | 0.21697200 | 1.91791000 |
| H | 1.39531900 | -0.81072900 | -2.62020200 | C | 0.19282500 | 2.18754400 | 1.32662300 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 0.97211400 | 3.26787700 | 1.06804800 | H | 2.78900900 | -0.94449700 | 2.31863500 |
| C | 2.23621500 | 3.00768400 | 0.40446000 | C | 5.09880900 | -0.31729600 | -0.71102800 |
| C | 2.66654500 | 1.75142500 | 0.17486400 | H | 3.38413300 | -0.75074300 | -1.92353300 |
| C | 1.87277400 | 0.54300400 | 0.60374400 | C | 5.60703600 | -0.19698000 | 0.57745800 |
| N | 0.50788600 | 0.90443100 | 1.02322700 | H | 5.15690600 | -0.33418900 | 2.67851900 |
| H | -0.78305000 | 2.29640200 | 1.79260000 | H | 5.74232200 | -0.14400400 | -1.56802300 |
| H | 0.67067300 | 4.27101300 | 1.32970500 | H | 6.64757700 | 0.06908900 | 0.73317900 |
| H | 3.61733600 | 1.57241100 | -0.31953700 | C | -1.76884500 | 0.68745900 | 0.61135600 |
| H | 2.37503300 | 0.04954400 | 1.45417200 | C | -1.24749900 | 1.95336300 | 0.68106700 |
| C | 3.04024000 | 4.12008700 | -0.03877500 | C | 0.01125200 | 2.26123200 | 0.00842400 |
| N | 3.66956500 | 5.02418900 | -0.39556000 | C | 0.89548900 | 1.27487400 | -0.26783500 |
| H | -0.58408600 | -2.29528400 | 3.67187600 | C | 0.56531500 | -0.03248600 | 0.38969800 |
| H | 0.13404300 | -0.67797000 | 3.88793300 | N | -0.86384700 | -0.29286700 | 0.15619200 |
| H | -2.17652100 | -0.02921800 | 3.91884900 | H | -4.13356000 | 0.54380600 | 1.07186300 |
| H | -2.64826900 | -1.37246200 | 2.83781400 | H | -1.85193400 | 2.78232500 | 1.03548300 |

TS-AK

| | | | |
|---|-------------|-------------|-------------|
| C | 1.44763700 | -1.23195900 | 0.00348700 |
| C | 1.04992600 | -1.74614000 | -1.38216100 |
| C | -0.40310000 | -2.11556000 | -1.36327100 |
| H | 1.67645800 | -2.59721300 | -1.66785800 |
| H | 1.22271000 | -0.95345000 | -2.12741000 |
| H | -0.77098100 | -2.94809000 | -1.95116200 |
| C | -1.27283700 | -1.40031100 | -0.63163700 |
| C | -2.74748000 | -1.49624100 | -0.70607200 |
| H | -3.20436900 | -1.32444900 | -1.67462600 |
| C | -3.28930600 | -1.01923600 | 0.42721400 |
| H | -2.89073200 | -1.23785200 | 1.40794000 |
| C | -4.97833900 | 0.33482500 | -0.75874700 |
| H | -5.83548700 | 0.98222300 | -0.57284600 |
| H | -4.13260800 | 0.90498400 | -1.14691800 |
| H | -5.25466500 | -0.47278900 | -1.43588600 |
| C | -5.62551000 | -0.94680100 | 1.26648500 |
| H | -5.95718500 | -1.78937600 | 0.65947500 |
| H | -6.44901300 | -0.25405600 | 1.44273800 |
| H | -5.22925400 | -1.30856100 | 2.21484300 |
| N | -4.54028700 | -0.24714900 | 0.53415000 |
| H | 1.21068500 | -2.03237000 | 0.71661900 |
| C | 2.91248400 | -0.88552600 | 0.17383600 |
| C | 3.43838400 | -0.76420700 | 1.46484600 |
| C | 3.76239800 | -0.65887300 | -0.91020700 |
| C | 4.76990900 | -0.42253800 | 1.66812000 |

TS-AL

| | | | |
|---|-------------|-------------|-------------|
| C | -1.60736100 | -0.78697400 | -0.85435100 |
| C | -1.14471000 | -2.23865800 | -0.62543000 |
| C | 0.13806800 | -2.52741100 | -1.41013800 |
| H | -1.94752900 | -2.91655300 | -0.92815900 |
| H | -0.96957000 | -2.39778000 | 0.44510900 |
| H | 0.48576700 | -3.55066500 | -1.24653100 |
| C | 1.19998300 | -1.55776100 | -0.98900500 |
| C | 2.56137200 | -1.67132700 | -0.97039400 |
| H | 3.11187700 | -2.50746200 | -1.37785500 |
| C | 3.17040100 | -0.42258700 | -0.44516000 |
| H | 3.99243800 | 0.00435900 | -1.03685300 |
| C | 4.81008500 | 0.43311000 | 1.27808700 |
| H | 5.70723200 | 0.18652100 | 0.70125200 |
| H | 4.45481800 | 1.42508200 | 0.98569700 |
| H | 5.05642000 | 0.44468300 | 2.34146400 |
| C | 4.06419500 | -1.88212700 | 1.51879300 |
| H | 3.22564100 | -2.54290600 | 1.29635500 |
| H | 4.22985700 | -1.83362500 | 2.59698200 |
| H | 4.96606000 | -2.27177100 | 1.03393000 |
| N | 3.74179400 | -0.54018000 | 1.02628000 |
| H | -1.84690800 | -0.69433600 | -1.92354900 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -2.87080800 | -0.49204700 | -0.07150200 | H | -6.06092000 | 0.78257900 | -0.51481300 |
| C | -4.11294700 | -0.50840000 | -0.70452800 | H | -5.14546200 | 1.50538200 | -1.85204600 |
| C | -2.82037400 | -0.26671000 | 1.30732600 | N | -4.37645800 | -0.29783700 | -1.09226000 |
| C | -5.28489500 | -0.30359100 | 0.02060800 | O | -1.76646800 | -0.65017800 | 0.63420700 |
| H | -4.16233900 | -0.67900300 | -1.77718400 | C | -1.38395200 | -4.15260900 | 0.48032100 |
| C | -3.98767200 | -0.06361900 | 2.03392000 | C | -0.01474000 | -3.71830900 | 1.03117700 |
| H | -1.85459100 | -0.22885700 | 1.80462100 | B | -1.32759200 | -1.89180200 | 0.74487500 |
| C | -5.22471200 | -0.08171400 | 1.39219700 | O | -2.00408800 | -2.93278400 | 0.09566200 |
| H | -6.24301400 | -0.31268800 | -0.48938600 | O | -0.19902700 | -2.35677800 | 1.40262200 |
| H | -3.93243400 | 0.11623400 | 3.10288500 | H | -1.99175500 | -4.64291700 | 1.24992500 |
| H | -6.13577200 | 0.08342200 | 1.95825400 | H | -1.30229800 | -4.82080600 | -0.38078600 |
| C | 1.95092600 | 0.43827300 | -0.09929100 | H | 0.76847200 | -3.77850800 | 0.26409300 |
| C | 1.79130500 | 1.84799600 | -0.31424400 | H | 0.30087100 | -4.30139000 | 1.89978600 |
| C | 0.54654100 | 2.39619200 | -0.40581300 | H | 0.73509700 | -1.31568200 | -0.80252000 |
| C | -0.63492600 | 1.52818800 | -0.43490200 | C | 2.83813100 | -1.14078800 | -0.51276300 |
| C | -0.48533400 | 0.19461800 | -0.56284600 | C | 2.94519500 | -1.90435400 | 0.65706800 |
| N | 0.79565800 | -0.34432300 | -0.53367100 | C | 3.98936500 | -0.93075600 | -1.27426800 |
| H | 2.62835200 | -0.01067300 | 1.22187700 | C | 4.16142900 | -2.45909600 | 1.03859600 |
| H | 2.66774500 | 2.49138400 | -0.31625200 | H | 2.06319800 | -2.04243100 | 1.27714400 |
| H | -1.62731000 | 1.96150700 | -0.42187800 | C | 5.20941300 | -1.48697900 | -0.89244900 |
| C | 0.38849200 | 3.81357000 | -0.49282500 | H | 3.95175100 | -0.31862700 | -2.16966900 |
| N | 0.25730400 | 4.96423700 | -0.56528700 | C | 5.30007700 | -2.25607700 | 0.26192100 |
| H | -0.05580800 | -2.41912900 | -2.48505500 | H | 4.22079500 | -3.04703200 | 1.94939700 |
| | | | | H | 6.09201600 | -1.30752900 | -1.49842000 |
| | | | | H | 6.25082300 | -2.68608900 | 0.56011800 |
| | | | | C | -1.19110800 | 2.08738900 | 2.77261000 |
| | | | | C | -2.53674700 | 2.36659900 | 2.08526400 |

TS-AM

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 1.49302100 | -0.52229400 | -0.85667300 | B | -1.35720000 | 0.70254700 | 0.97801400 |
| C | 1.43280100 | 0.08165200 | -2.25934800 | O | -0.84613700 | 0.80061300 | 2.32145900 |
| C | 0.02996800 | 0.29380200 | -2.75898100 | O | -2.47465500 | 1.63742900 | 0.87348000 |
| H | 1.93065100 | -0.58485300 | -2.96974000 | C | -0.20535800 | 2.52145200 | -0.39814300 |
| H | 1.98006600 | 1.03493600 | -2.28404600 | C | 0.87140400 | 3.32485000 | -0.43985600 |
| H | -0.14215200 | 0.16081300 | -3.82848300 | C | 2.14144000 | 2.79319800 | 0.04650900 |
| C | -1.05503800 | 0.59266000 | -2.09368600 | C | 2.24210400 | 1.50516900 | 0.41065200 |
| C | -2.39753800 | 0.77823200 | -1.96196900 | C | 1.10739500 | 0.52944500 | 0.22468200 |
| H | -2.80406500 | 1.78056700 | -1.88739100 | N | -0.20256700 | 1.16505000 | -0.07720000 |
| C | -3.14473300 | -0.33123600 | -1.54765900 | H | -1.19428200 | 2.90688800 | -0.62367500 |
| H | -2.67825600 | -1.31198600 | -1.57037300 | H | 0.78661100 | 4.36255400 | -0.73166400 |
| C | -4.97163000 | -1.48114700 | -0.48613500 | H | 3.15975600 | 1.11893200 | 0.84106000 |
| H | -5.92924200 | -1.70921000 | -0.96243300 | H | 0.98521900 | -0.01789800 | 1.16782300 |
| H | -4.28332000 | -2.32095400 | -0.58246400 | C | 3.26353000 | 3.68260300 | 0.20033800 |
| H | -5.13240900 | -1.29117300 | 0.57931700 | N | 4.15667600 | 4.41180600 | 0.30376400 |
| C | -5.05989200 | 0.97762500 | -0.89863800 | H | -1.25698700 | 2.10231900 | 3.86534500 |
| H | -4.48271700 | 1.57485100 | -0.18484500 | H | -0.43916900 | 2.82928600 | 2.45833600 |

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|--------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|--|
| H | -2.69276400 | 3.43401500 | 1.88489400 | H | 4.35944700 | 0.14067900 | 0.41299700 | |
| H | -3.37335000 | 2.00448000 | 2.70068700 | H | 1.70232900 | 2.66804400 | -1.02604900 | |
| TS-AN | | | | | | | | |
| C | -1.71324200 | -1.26496900 | -0.02440200 | O | 3.76448100 | 1.49887900 | 1.12951300 | |
| C | -1.31135900 | -1.80658800 | 1.34995900 | H | 2.90398800 | 1.47456000 | 0.64678700 | |
| C | 0.12562400 | -2.23571300 | 1.29681800 | H | 3.53698200 | 1.56761700 | 2.06252700 | |
| H | -1.96543000 | -2.63662700 | 1.63506500 | TS-AO | | | | |
| H | -1.44438100 | -1.01754500 | 2.10667400 | C | 0.66998100 | -1.14765600 | 0.83764300 | |
| H | 0.46082800 | -3.11433500 | 1.83504600 | C | 0.24270100 | -2.51913000 | 0.22416400 | |
| C | 1.01865700 | -1.53092600 | 0.58510800 | C | -1.27198900 | -2.69687500 | 0.01852700 | |
| C | 2.48042500 | -1.68353400 | 0.60240600 | H | 0.62742300 | -3.32121900 | 0.85914200 | |
| H | 2.96856700 | -1.58920500 | 1.57112500 | H | 0.74747200 | -2.61376600 | -0.74489900 | |
| C | 3.04885900 | -1.08666400 | -0.47783500 | H | -1.56578600 | -3.66542200 | -0.37959200 | |
| H | 2.73410300 | -1.25556200 | -1.50079400 | C | -1.85687200 | -1.57294200 | -0.62306700 | |
| C | 5.43555600 | -1.60019800 | -0.12007900 | C | -2.96539100 | -1.36557500 | -1.52674000 | |
| H | 6.41521600 | -1.13017100 | -0.01717700 | H | -3.51678000 | -2.16643300 | -1.99918500 | |
| H | 5.16209800 | -2.12704600 | 0.79204100 | C | -3.16554200 | -0.02306900 | -1.68246000 | |
| H | 5.43753700 | -2.30004100 | -0.95694600 | H | -3.90522700 | 0.46837700 | -2.29793900 | |
| C | 4.75339300 | 0.26163300 | -1.58622800 | H | 0.89280800 | -1.30706000 | 1.89835000 | |
| H | 4.88269200 | -0.40695600 | -2.43940900 | C | 1.93111500 | -0.63007700 | 0.17082400 | |
| H | 5.67246500 | 0.81569800 | -1.39489900 | C | 3.17365700 | -0.83344200 | 0.77041300 | |
| H | 3.91132900 | 0.93478300 | -1.75196000 | C | 1.87800800 | 0.03705800 | -1.05775100 | |
| N | 4.42007500 | -0.54980000 | -0.38700200 | C | 4.34219600 | -0.38321200 | 0.15928700 | |
| H | -1.50479500 | -2.06374100 | -0.74757500 | H | 3.22570200 | -1.34575000 | 1.72807700 | |
| C | -3.17008700 | -0.87952900 | -0.17669600 | C | 3.04192100 | 0.48936100 | -1.66842100 | |
| C | -3.70936700 | -0.74857100 | -1.46108600 | H | 0.91398300 | 0.20664600 | -1.53334800 | |
| C | -3.99866200 | -0.62642800 | 0.91813300 | C | 4.27942000 | 0.27945100 | -1.06157800 | |
| C | -5.03414200 | -0.37241400 | -1.64788600 | H | 5.30071800 | -0.54537400 | 0.64225200 | |
| H | -3.07725300 | -0.95040200 | -2.32299500 | H | 2.98371800 | 1.01066600 | -2.61872000 | |
| C | -5.32812100 | -0.25059000 | 0.73530300 | H | 5.18743000 | 0.63612500 | -1.53677100 | |
| H | -3.60916500 | -0.72560300 | 1.92661600 | C | -2.20032800 | 0.65853500 | -0.86962600 | |
| C | -5.85015700 | -0.12135900 | -0.54693700 | C | -1.95679600 | 1.95807500 | -0.55851300 | |
| H | -5.43236000 | -0.27756700 | -2.65327600 | C | -0.91860900 | 2.27126200 | 0.38588700 | |
| H | -5.95541800 | -0.05772300 | 1.60006500 | C | -0.20655700 | 1.26640300 | 0.99840100 | |
| H | -6.88534500 | 0.17150400 | -0.68947500 | C | -0.49521000 | -0.12202800 | 0.80504400 | |
| C | 1.53384200 | 0.57507100 | -0.56686400 | N | -1.41228200 | -0.35043500 | -0.28276400 | |
| C | 1.06375900 | 1.86295100 | -0.67401800 | H | -2.54619900 | 2.75101400 | -1.00422200 | |
| C | -0.20762800 | 2.20539100 | -0.03799400 | H | 0.58842700 | 1.51961200 | 1.69447500 | |
| C | -1.11320800 | 1.23672000 | 0.23054900 | | | | | |
| C | -0.80311400 | -0.08614100 | -0.40963600 | | | | | |
| N | 0.61689600 | -0.36938200 | -0.14175300 | | | | | |

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|---|-------------|-------------|------------|---|-------------|-------------|------------|
| H | -1.16964800 | -0.64005700 | 1.82011200 | O | -3.46630000 | -2.10391800 | 1.00478400 |
| C | -0.64197500 | 3.64484800 | 0.69233800 | H | -2.57766800 | -2.32854900 | 0.44350100 |
| N | -0.42585200 | 4.75746300 | 0.93083800 | H | -4.19143800 | -2.02256300 | 0.37341800 |
| O | -1.72985000 | -1.71542000 | 2.35015500 | O | -2.74699300 | -0.03757400 | 2.01133100 |
| H | -1.71129600 | -2.39091200 | 1.35373200 | H | -3.15682500 | -0.98111300 | 1.57103000 |
| H | -2.62539000 | -1.58819500 | 2.69454500 | H | -2.63723300 | -0.13327800 | 2.96600500 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 0.40070000 | -0.83772100 | 1.31804500 | C | 1.91480900 | -0.80451600 | 1.00438000 |
| C | -0.31338900 | -2.20565500 | 1.19436700 | C | 1.47910200 | -2.23750000 | 0.62905300 |
| C | -1.05286400 | -2.41211100 | -0.13154100 | C | 0.24412900 | -2.67174600 | 1.42612700 |
| H | -1.00284000 | -2.30167900 | 2.04606000 | H | 2.31662400 | -2.91698000 | 0.81215200 |
| H | 0.43707800 | -2.99152400 | 1.33438600 | H | 1.26773100 | -2.27832700 | -0.44653900 |
| H | -0.99252600 | -3.39887700 | -0.58393200 | H | -0.08819300 | -3.67019200 | 1.12994600 |
| C | -1.12156700 | -1.32948700 | -1.02511700 | C | -0.86018800 | -1.68259700 | 1.20639000 |
| C | -1.50558600 | -1.21738900 | -2.41599800 | C | -2.21278500 | -1.85186300 | 1.11636000 |
| H | -1.74952200 | -2.06381600 | -3.04336300 | H | -2.72161900 | -2.76324400 | 1.39720400 |
| C | -1.49742800 | 0.10097900 | -2.78177800 | C | -2.90018700 | -0.52930000 | 0.87247500 |
| H | -1.73797100 | 0.51686900 | -3.74969500 | H | -3.58876200 | -0.23903500 | 1.69780400 |
| H | 0.52853200 | -0.60124800 | 2.38188900 | C | -4.52867600 | 0.72773500 | -0.43913400 |
| C | 1.78299800 | -0.80941800 | 0.68248600 | H | -5.11980400 | 0.92531100 | 0.47078400 |
| C | 2.74594300 | 0.06156200 | 1.20231300 | H | -3.81707800 | 1.54956400 | -0.56466200 |
| C | 2.11888400 | -1.58414800 | -0.43022800 | H | -5.20578700 | 0.72122600 | -1.29819700 |
| C | 4.00812400 | 0.16214700 | 0.63010400 | C | -4.76142800 | -1.64253400 | -0.26612400 |
| H | 2.50147800 | 0.66674800 | 2.07284400 | H | -4.22600800 | -2.59287900 | -0.30037400 |
| C | 3.38380300 | -1.48415300 | -1.00669200 | H | -5.45624900 | -1.60024600 | -1.10933100 |
| H | 1.39058300 | -2.27275900 | -0.84710700 | H | -5.34731200 | -1.59942700 | 0.66773300 |
| C | 4.33118800 | -0.61134900 | -0.48269800 | N | -3.80886800 | -0.54095400 | -0.35912500 |
| H | 4.74018100 | 0.84261900 | 1.05339800 | H | 2.18200800 | -0.83649700 | 2.07154100 |
| H | 3.62680900 | -2.09270800 | -1.87227100 | C | 3.16625100 | -0.42492000 | 0.23710700 |
| H | 5.31459800 | -0.53372900 | -0.93497500 | C | 4.41699200 | -0.72365200 | 0.78128700 |
| C | -1.10525900 | 0.87022500 | -1.64209700 | C | 3.11381000 | 0.12687900 | -1.04523500 |
| C | -0.91545200 | 2.19138300 | -1.38450100 | C | 5.58630200 | -0.48143100 | 0.06684800 |
| C | -0.47310500 | 2.59954200 | -0.08181900 | H | 4.47265300 | -1.15010900 | 1.78018100 |
| C | -0.19311200 | 1.64643400 | 0.88576900 | C | 4.28020100 | 0.37155300 | -1.76366500 |
| C | -0.47168500 | 0.27403700 | 0.71219200 | H | 2.14823200 | 0.39984700 | -1.46156700 |
| N | -0.88868200 | -0.06860500 | -0.61070700 | C | 5.52101900 | 0.06627100 | -1.21107100 |
| H | -1.07833100 | 2.93081000 | -2.15990100 | H | 6.54862400 | -0.71411200 | 0.51182500 |
| H | 0.21126400 | 1.96563000 | 1.84320000 | H | 4.21910200 | 0.80958700 | -2.75509900 |
| H | -1.71839400 | 0.19290900 | 1.51286200 | H | 6.43096700 | 0.26318200 | -1.76858200 |
| C | -0.28938500 | 3.98787100 | 0.20544100 | C | -1.70537200 | 0.40257600 | 0.72367300 |
| N | -0.13964200 | 5.11456200 | 0.43559800 | C | -1.56582500 | 1.77963500 | 0.92691900 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -0.31460300 | 2.37574900 | 0.94330200 | C | 4.92802500 | -2.23272000 | 1.48642100 |
| C | 0.86542100 | 1.51858500 | 0.81252700 | H | 4.11943800 | -0.59992800 | 2.62218500 |
| C | 0.76423200 | 0.17389900 | 0.87165900 | C | 3.59275600 | -2.97565800 | -0.36968200 |
| N | -0.51013600 | -0.39198700 | 1.01014900 | H | 1.75310100 | -1.90536100 | -0.70472000 |
| H | -1.51217800 | 0.29895200 | -0.96447600 | C | 4.74133100 | -3.09232500 | 0.40897200 |
| H | -2.45312300 | 2.40666200 | 0.98191300 | H | 5.82136800 | -2.30763200 | 2.09860700 |
| H | 1.84621100 | 1.97079700 | 0.71795500 | H | 3.44316900 | -3.63818600 | -1.21672700 |
| C | -0.18225800 | 3.78560800 | 1.00863700 | H | 5.48708500 | -3.84556000 | 0.17499100 |
| N | -0.07299600 | 4.94344400 | 1.05247000 | H | 2.23889900 | 0.51241700 | 2.19201600 |
| H | 0.49717100 | -2.71589000 | 2.49299200 | H | 0.76564500 | -1.47705000 | 2.73057400 |
| H | -2.67272000 | -0.43214800 | -1.74970600 | O | -1.51715700 | -1.05581900 | -1.13038300 |
| C | -1.60900900 | 0.95890000 | -2.98793100 | C | -4.67384400 | -2.37580100 | -2.05632400 |
| H | -0.57845400 | 1.31545700 | -3.04478400 | C | -4.93220100 | -1.93063800 | -0.60128800 |
| H | -1.92484200 | 0.58977100 | -3.96586000 | H | -5.41761900 | -1.98919800 | -2.75662100 |
| H | -2.25298000 | 1.78330200 | -2.67780600 | H | -4.63632000 | -3.46642600 | -2.14937400 |
| C | -0.81134500 | -1.26721500 | -2.22170000 | H | -5.57371700 | -1.04366800 | -0.55401400 |
| H | 0.23102600 | -0.95079600 | -2.12822300 | H | -5.37469700 | -2.71834800 | 0.01271200 |
| H | -1.04451200 | -2.01696700 | -1.46094100 | B | -2.81191000 | -1.47234800 | -1.18661300 |
| H | -0.98424000 | -1.67455700 | -3.22069100 | O | -3.64127100 | -1.59548100 | -0.09712900 |
| N | -1.68943300 | -0.11092400 | -1.98442100 | O | -3.39323300 | -1.83724200 | -2.37200600 |
| | | | | C | -1.66947900 | 0.83710800 | 0.34052000 |
| | | | | H | -1.63993100 | 1.60208200 | -0.43017100 |
| | | | | C | -2.31478700 | 1.02683400 | 1.51169000 |
| | | | | H | -2.40897300 | 0.19172200 | 2.20432200 |

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|---|-------------|-------------|-------------|---|-------------|------------|------------|
| C | -0.39796600 | -1.26858300 | 0.94546400 | N | -2.86624500 | 2.19357200 | 1.95788700 |
| C | -1.04193600 | -0.45169200 | 0.02327000 | C | -2.83123600 | 3.34853900 | 1.08811800 |
| C | 1.41090900 | 0.88885500 | 0.27688600 | H | -3.48617400 | 3.23123300 | 0.21170200 |
| C | 1.78873100 | -0.09334900 | 1.39458700 | H | -3.14833400 | 4.22968400 | 1.64924300 |
| C | 0.48481700 | -0.70410700 | 2.01032300 | H | -1.80824300 | 3.50703200 | 0.73426200 |
| H | -0.29970600 | 0.65835400 | -2.56419200 | C | -3.95335900 | 2.13138900 | 2.91460600 |
| H | -0.24776900 | -2.30129400 | 0.64387600 | H | -3.96237600 | 3.04020400 | 3.52214700 |
| C | 0.45227300 | 1.03663600 | -1.87308100 | H | -4.93363500 | 2.02705600 | 2.42842800 |
| C | 2.55783600 | 1.73624500 | -0.22369600 | H | -3.80519900 | 1.27532200 | 3.57643400 |
| H | -0.01931100 | 0.09875300 | 2.55556700 | H | 0.69219800 | 1.61172600 | 0.72951400 |
| C | 2.35712200 | 2.42363300 | -1.36547400 | | | | |
| C | 1.15148300 | 2.17674000 | -2.15096300 | | | | |
| H | 3.45863100 | 1.84241700 | 0.37257600 | | | | |
| H | 0.96902000 | 2.73932300 | -3.05740300 | | | | |

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|---|------------|-------------|-------------|---|-------------|-------------|-------------|
| N | 0.74894400 | 0.21780900 | -0.83289100 | C | -0.17965800 | -0.22333200 | 0.28638500 |
| C | 3.34661600 | 3.34439600 | -1.85885900 | C | 0.27480200 | -0.44078400 | -1.17909200 |
| N | 4.12563800 | 4.10038500 | -2.26103200 | C | 1.67500000 | -0.97789200 | -1.31292000 |
| C | 2.80866800 | -1.14215900 | 1.00673700 | H | 0.21209500 | 0.49839300 | -1.73883100 |
| C | 3.96727700 | -1.26941600 | 1.77864000 | H | -0.39994800 | -1.13890400 | -1.68807800 |
| C | 2.63161700 | -2.01175700 | -0.07761100 | H | 1.82336600 | -1.86438800 | -1.92117800 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 2.78418400 | -0.45702400 | -0.76641700 | C | -4.71959800 | -0.25419500 | 0.12274700 |
| C | 4.11315600 | -1.03767900 | -0.91840700 | C | -3.49415600 | -0.51046500 | 0.71896800 |
| H | 4.17065000 | -1.93411800 | -1.52562800 | N | -2.60555600 | -1.33983400 | 0.16000100 |
| C | 5.20607300 | -0.50506800 | -0.34068700 | H | -2.11293700 | -2.64628800 | -1.33536200 |
| H | 5.09377100 | 0.37322000 | 0.28933000 | H | -4.30074800 | -2.28672000 | -2.57630900 |
| C | 7.39446600 | -0.72336600 | 0.64584800 | H | -5.42284700 | 0.42894500 | 0.58208100 |
| H | 8.43487500 | -0.76373200 | 0.31181400 | H | -3.18656000 | -0.05896900 | 1.65659000 |
| H | 7.20860500 | 0.26564100 | 1.07078900 | C | -6.27353000 | -0.65002900 | -1.74070400 |
| H | 7.25468000 | -1.47202100 | 1.44089300 | N | -7.28362500 | -0.45647000 | -2.26894600 |
| C | 6.72827800 | -2.16377600 | -1.21258000 | H | -0.03056000 | -2.82300300 | 3.23294500 |
| H | 6.27637700 | -3.03502100 | -0.71084000 | H | -1.77001200 | -3.12679200 | 3.45163700 |
| H | 7.80176800 | -2.33559000 | -1.31677000 | H | -2.00029900 | -4.05055400 | 1.24591000 |
| H | 6.29343800 | -2.08018500 | -2.21229000 | H | -0.30301500 | -4.51384300 | 1.52328500 |
| N | 6.51127600 | -0.93490200 | -0.48481800 | | | | |
| O | 2.75551200 | 0.63866800 | 0.07718000 | | | | |
| C | 1.21663300 | 3.56171100 | -1.28676300 | | | | |
| C | 1.23147100 | 3.83238200 | 0.23585300 | | | | |
| B | 2.15414300 | 1.82570400 | -0.19502100 | C | -0.06751000 | -1.67114700 | -0.54338300 |
| O | 1.69243800 | 2.22539200 | -1.42590400 | C | -1.18058600 | -1.63325500 | -1.61319500 |
| O | 1.99348500 | 2.76444800 | 0.79124500 | C | -2.49550200 | -1.24101600 | -1.00360300 |
| H | 1.88253500 | 4.23351800 | -1.83844800 | H | -1.25288700 | -2.61196100 | -2.09860700 |
| H | 0.20939700 | 3.63457900 | -1.70590600 | H | -0.92157600 | -0.90657800 | -2.38888100 |
| H | 0.22236300 | 3.80725000 | 0.65904700 | H | -3.16755600 | -2.01431600 | -0.64611700 |
| H | 1.70325100 | 4.78581600 | 0.48756900 | C | -2.85628400 | 0.03612500 | -0.82016300 |
| H | 0.70321500 | -0.24372100 | 0.93582100 | C | -4.09918800 | 0.47986600 | -0.20782800 |
| C | -0.90338700 | 1.07014800 | 0.55721600 | H | -4.73968500 | -0.30362500 | 0.18153700 |
| C | -0.94066200 | 1.57442000 | 1.86869200 | C | -4.44537500 | 1.77968600 | -0.12792200 |
| C | -1.65016900 | 1.74366400 | -0.41819000 | H | -3.80007200 | 2.52976400 | -0.57914100 |
| C | -1.71005300 | 2.68550300 | 2.19290500 | C | -6.09735300 | 3.53641900 | -0.02377800 |
| H | -0.37195200 | 1.05940100 | 2.63690100 | H | -6.69070900 | 4.03621600 | 0.74658900 |
| C | -2.41461900 | 2.86781800 | -0.09849500 | H | -5.27946100 | 4.20081300 | -0.31165400 |
| H | -1.65462500 | 1.37519500 | -1.44101300 | H | -6.73626500 | 3.37370700 | -0.90483900 |
| C | -2.45560500 | 3.34005500 | 1.20923500 | C | -6.51976700 | 1.37096900 | 1.03884700 |
| H | -1.72380800 | 3.04913100 | 3.21591100 | H | -7.01129100 | 0.77978900 | 0.24975200 |
| H | -2.98609200 | 3.36683400 | -0.87601400 | H | -7.28289100 | 1.92318600 | 1.59116000 |
| H | -3.05334400 | 4.21022900 | 1.46100700 | H | -6.02505600 | 0.68127600 | 1.72801900 |
| C | -1.00837100 | -2.80333100 | 2.73383000 | N | -5.55116200 | 2.30214200 | 0.50670200 |
| C | -0.99024300 | -3.66529900 | 1.46315400 | O | -2.02552200 | 1.05033300 | -1.28710500 |
| B | -1.03467100 | -1.48265900 | 0.85567600 | C | 0.53468300 | 2.99082000 | 0.22032600 |
| O | -1.28334500 | -1.49291000 | 2.27074100 | C | 0.30940500 | 1.87745700 | 1.26220600 |
| O | -0.57136300 | -2.77308600 | 0.44701300 | B | -1.09306800 | 1.60254100 | -0.46840600 |
| C | -2.88589700 | -1.96915000 | -0.98631600 | O | -0.24069600 | 2.58524700 | -0.90634600 |
| C | -4.08712100 | -1.77104700 | -1.64854000 | O | -0.90375900 | 1.25123000 | 0.85043100 |
| C | -5.01424300 | -0.89179600 | -1.08305700 | H | 1.58482500 | 3.09559200 | -0.06586700 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 0.16541500 | 3.95964400 | 0.57525300 | O | -2.26532500 | -0.24849700 | 1.66422700 |
| H | 0.19983900 | 2.25797600 | 2.28015500 | C | -4.89916800 | -0.09598900 | -0.06692000 |
| H | 1.11546700 | 1.13204300 | 1.24187100 | C | -4.67774300 | 1.37354400 | 0.37870000 |
| H | -0.14601600 | -0.75601600 | 0.04952200 | B | -3.14512400 | 0.79043200 | -1.15750000 |
| C | -0.25277100 | -2.82641100 | 0.41826700 | O | -3.90789900 | -0.34211100 | -1.05932600 |
| C | -0.50366000 | -2.55359700 | 1.76505000 | O | -3.58316800 | 1.84411700 | -0.40190500 |
| C | -0.19694700 | -4.16091600 | 0.00073900 | C | -1.07621100 | 1.92497900 | -1.81743700 |
| C | -0.68674400 | -3.58619800 | 2.68080400 | C | 0.24687500 | 1.75697100 | -1.80378700 |
| H | -0.56929500 | -1.51629300 | 2.08483800 | C | 0.82633700 | 0.35516400 | -1.73840700 |
| C | -0.37070300 | -5.19391600 | 0.91758300 | C | -0.11668400 | -0.57625000 | -2.48302300 |
| H | -0.01069400 | -4.39750300 | -1.04304000 | C | -1.42738700 | -0.33368900 | -2.47961400 |
| C | -0.61564300 | -4.91068500 | 2.25935400 | N | -1.96755900 | 0.85483700 | -1.96962700 |
| H | -0.88584400 | -3.35523600 | 3.72264900 | H | -1.54089200 | 2.90088700 | -1.73113000 |
| H | -0.31831200 | -6.22428300 | 0.58026600 | H | 0.90415800 | 2.61572600 | -1.76547600 |
| H | -0.75465800 | -5.71871900 | 2.97049500 | H | 0.28318800 | -1.47167700 | -2.94185000 |
| C | 5.55274500 | 2.61606900 | 1.56974600 | H | -2.15162300 | -1.03137300 | -2.88548000 |
| C | 5.16520600 | 3.50219300 | 0.36762000 | C | 0.94122300 | -0.12506400 | -0.21524000 |
| B | 4.10351900 | 1.52528500 | 0.24453800 | C | 2.14949600 | 0.29952000 | -2.38703900 |
| O | 5.00275200 | 1.33470400 | 1.26188100 | N | 3.17669800 | 0.26223800 | -2.91661000 |
| O | 4.08134200 | 2.80692800 | -0.25254100 | H | -0.82676600 | -0.66644700 | 4.52669600 |
| C | 2.40242100 | 0.70490500 | -1.33979800 | H | -2.68454900 | 0.50117800 | 3.54035700 |
| C | 1.56166400 | -0.21924100 | -1.80814200 | H | -3.31147500 | -1.13286100 | 3.21471600 |
| C | 1.37535500 | -1.57856100 | -1.15848100 | H | -1.16417100 | -2.14661000 | 3.59801300 |
| C | 2.42520400 | -1.76315000 | -0.07961700 | H | -5.55120700 | 2.00445600 | 0.19077100 |
| C | 3.23716500 | -0.78596700 | 0.32525600 | H | -4.41019000 | 1.43932000 | 1.43691000 |
| N | 3.24915400 | 0.49528400 | -0.24543200 | H | -5.89026300 | -0.25691500 | -0.50078800 |
| H | 2.48074900 | 1.68500200 | -1.79715600 | H | -4.75077100 | -0.79617600 | 0.75934700 |
| H | 0.96368400 | 0.02524700 | -2.67766100 | O | -0.41338200 | -0.00670600 | 0.22374900 |
| H | 2.47946100 | -2.73155000 | 0.40340100 | C | 1.36657700 | -1.59451100 | -0.16756300 |
| H | 3.95377500 | -0.92774500 | 1.12604900 | C | 0.41515900 | -2.61860000 | -0.15584900 |
| C | 1.53869500 | -2.62905100 | -2.19120200 | C | 2.72194400 | -1.92999300 | -0.18445700 |
| N | 1.64940700 | -3.44504400 | -3.00365500 | C | 0.81393300 | -3.95186600 | -0.14583200 |
| H | 5.11070300 | 2.97708900 | 2.50420800 | H | -0.64147300 | -2.36969500 | -0.17428700 |
| H | 6.63298000 | 2.52806000 | 1.70092100 | C | 3.11877100 | -3.26403100 | -0.18412700 |
| H | 5.98391200 | 3.59572300 | -0.35279600 | H | 3.46541500 | -1.13934300 | -0.19541700 |
| H | 4.83739500 | 4.50097500 | 0.66243900 | C | 2.16688500 | -4.27909600 | -0.15939100 |
| | | | | H | 0.06374900 | -4.73632600 | -0.13254800 |
| | | | | H | 4.17602500 | -3.50823000 | -0.19895800 |
| | | | | H | 2.47732200 | -5.31902900 | -0.15271600 |
| | | | | C | 1.81887500 | 0.72869700 | 0.66647900 |
| C | -1.13046700 | -1.05285400 | 3.55145700 | H | 1.72971000 | 0.46751400 | 1.71665900 |
| C | -2.46520600 | -0.45873100 | 3.05862900 | C | 2.68046400 | 1.68290800 | 0.28214400 |
| B | -0.89872500 | -0.29514100 | 1.44368600 | H | 2.80009200 | 1.95158000 | -0.76351800 |
| O | -0.18432500 | -0.66144400 | 2.56100600 | N | 3.54395800 | 2.37814300 | 1.10809500 |

| | | | | | | | |
|---|------------|------------|-------------|---|-------------|-------------|-------------|
| C | 3.41191700 | 2.17774700 | 2.53315600 | H | 2.82668100 | 2.78411000 | 1.51751800 |
| H | 3.53426700 | 1.11748200 | 2.77035100 | H | 2.58676000 | 3.62035600 | -0.03787200 |
| H | 4.19485000 | 2.73906200 | 3.04695600 | H | 2.42258200 | 4.50879200 | 1.49624100 |
| H | 2.43075800 | 2.50439900 | 2.91396900 | C | 0.14968800 | -0.17472600 | -3.83732300 |
| C | 3.89110300 | 3.72603600 | 0.69906000 | C | -0.51799900 | -1.50425600 | -3.47734200 |
| H | 4.06052600 | 3.74562300 | -0.38005000 | B | 0.11491900 | -0.41976500 | -1.56650500 |
| H | 3.10728200 | 4.46002100 | 0.94154500 | O | 0.13478800 | 0.55044000 | -2.62137600 |
| H | 4.81623900 | 4.03224400 | 1.19435000 | O | -0.14141300 | -1.71731500 | -2.12864700 |
| | | | | C | 2.49318400 | 0.53338900 | -1.14773800 |
| | | | | C | 3.75551300 | 0.56362800 | -0.57441800 |
| | | | | C | 4.14511600 | -0.51403800 | 0.22278200 |
| | | | | C | 3.27713500 | -1.59379900 | 0.40661800 |

INT-AI

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -4.63598000 | 0.82268400 | 1.47140900 | C | 2.03804800 | -1.55297500 | -0.21186900 |
| C | -5.45246400 | 0.65134100 | 0.17393500 | N | 1.66720600 | -0.50190000 | -0.95511200 |
| B | -3.26801800 | 0.29659400 | -0.23816200 | H | 2.09178900 | 1.32190100 | -1.77524900 |
| O | -3.28148700 | 0.82396000 | 1.03707000 | H | 4.41576700 | 1.40659700 | -0.73672300 |
| O | -4.52968400 | 0.10161400 | -0.75711200 | H | 3.56115700 | -2.44322500 | 1.01460700 |
| C | -0.85766400 | 0.03302900 | -0.30462900 | H | 1.30850600 | -2.35184100 | -0.12780100 |
| H | -4.85905100 | 1.75571800 | 1.99481200 | C | 5.44257400 | -0.51444900 | 0.84982800 |
| H | -5.81916100 | 1.61276000 | -0.20438800 | N | 6.48343500 | -0.51151700 | 1.35317100 |
| H | -6.30378300 | -0.02305300 | 0.29513500 | H | 1.18512500 | -0.34193800 | -4.17578600 |
| H | -4.78981800 | -0.01360900 | 2.16263900 | H | -0.17892800 | -2.33806000 | -4.10060700 |
| O | -2.15639500 | 0.00147200 | -0.94640700 | H | -1.60991200 | -1.41979700 | -3.55069400 |
| C | -0.86231600 | -1.00658100 | 0.81747400 | H | -0.38394900 | 0.38403200 | -4.61155000 |
| C | -1.30721400 | -2.30114100 | 0.49918500 | | | | |
| C | -0.44073500 | -0.76190300 | 2.12588500 | | | | |
| C | -1.27802300 | -3.32056200 | 1.44401200 | | | | |
| H | -1.65383600 | -2.49593800 | -0.50906500 | | | | |
| C | -0.40842600 | -1.78626300 | 3.07256500 | | | | |
| H | -0.16590000 | 0.24114100 | 2.42627000 | | | | |
| C | -0.81402800 | -3.07194600 | 2.73539500 | | | | |
| H | -1.62113100 | -4.31392000 | 1.17086700 | | | | |
| H | -0.07636300 | -1.56769900 | 4.08307300 | | | | |
| H | -0.78677500 | -3.86833400 | 3.47247800 | | | | |
| C | -0.53830000 | 1.45978200 | 0.07493500 | | | | |
| H | -1.22169700 | 2.18386500 | -0.35705400 | | | | |
| C | 0.52609500 | 1.89266400 | 0.76601000 | | | | |
| H | 1.25156500 | 1.18995300 | 1.17485000 | | | | |
| N | 0.82614100 | 3.21828900 | 1.10404000 | | | | |
| C | -0.04932700 | 4.22702900 | 0.54945200 | | | | |
| H | -1.07728800 | 4.02824800 | 0.86283700 | | | | |
| H | 0.24782000 | 5.20686000 | 0.93005600 | | | | |
| H | -0.02219100 | 4.25040000 | -0.55340400 | | | | |
| C | 2.23405200 | 3.54960200 | 1.00703800 | | | | |

INT-AJ

| | | | |
|---|-------------|-------------|-------------|
| C | -4.85658900 | -2.29864400 | -0.23141800 |
| C | -5.14457500 | -2.40285300 | 1.28205300 |
| B | -3.04758800 | -1.67710800 | 0.94507500 |
| O | -3.45519100 | -2.05516200 | -0.30969700 |
| O | -4.02480700 | -1.77773900 | 1.90285000 |
| C | -0.89503700 | -0.96664600 | 0.22518400 |
| H | -5.10277200 | -3.21346700 | -0.77494300 |
| H | -5.20325500 | -3.44468800 | 1.61509100 |
| H | -6.06267200 | -1.88866800 | 1.57549200 |
| H | -5.38936900 | -1.45980100 | -0.69212400 |
| O | -1.79855800 | -1.23464300 | 1.25167400 |
| C | -1.33113800 | 0.12676900 | -0.68058200 |
| C | -2.07393300 | 1.19373000 | -0.15834100 |
| C | -1.05452000 | 0.11512600 | -2.05457200 |
| C | -2.47412000 | 2.25156600 | -0.97075200 |
| H | -2.32899700 | 1.19046000 | 0.89779100 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -1.44316100 | 1.17745500 | -2.86303400 | C | -6.15104500 | 0.38938900 | -0.07393300 |
| H | -0.56264400 | -0.74886400 | -2.48890900 | C | -6.49625800 | 0.28884100 | 1.42770100 |
| C | -2.14150600 | 2.25700300 | -2.32286200 | B | -4.28504500 | 0.06292800 | 1.12897300 |
| H | -3.03829500 | 3.07593500 | -0.54498100 | O | -4.78071000 | 0.00498100 | -0.14838800 |
| H | -1.22116700 | 1.15096800 | -3.92527600 | O | -5.23268800 | 0.31078600 | 2.08690200 |
| H | -2.44956300 | 3.08190000 | -2.95729600 | C | 6.77906600 | 1.60829600 | -0.01376900 |
| C | 0.27529300 | -1.61325200 | 0.23659300 | C | 6.08240500 | 2.49288300 | 1.04214500 |
| H | 0.38616600 | -2.35844200 | 1.02254200 | B | 4.76862500 | 0.75343600 | 0.50438300 |
| C | 1.49551200 | -1.35566600 | -0.60292100 | O | 5.77142300 | 0.68613500 | -0.42976800 |
| H | 1.21615600 | -0.74424000 | -1.46535100 | O | 4.93898500 | 1.73820300 | 1.44366700 |
| N | 2.00711900 | -2.62794100 | -1.15977400 | C | 2.63951600 | -0.03664900 | 1.46876700 |
| C | 2.85109500 | -3.37006600 | -0.23766100 | C | 1.55715000 | -0.81514400 | 1.47536400 |
| H | 2.37271600 | -3.44326100 | 0.74200900 | C | 1.25486700 | -1.79975400 | 0.36029400 |
| H | 3.00134000 | -4.38260900 | -0.62662800 | C | 2.49509700 | -1.99508100 | -0.48450500 |
| H | 3.84290700 | -2.90601700 | -0.09471600 | C | 3.55028800 | -1.18163200 | -0.41538700 |
| C | 2.69390000 | -2.43234200 | -2.42473400 | N | 3.64697700 | -0.12795300 | 0.49947500 |
| H | 2.01455200 | -1.96212700 | -3.14413400 | H | 2.81748200 | 0.71039100 | 2.23362400 |
| H | 3.59844300 | -1.80915500 | -2.33611700 | H | 0.82755300 | -0.71036000 | 2.26940100 |
| H | 2.98203900 | -3.40855200 | -2.82878200 | H | 2.51383700 | -2.82869200 | -1.17646300 |
| C | 4.75367800 | 0.06452500 | 0.59272700 | H | 4.41793300 | -1.30554000 | -1.05337800 |
| C | 4.27807700 | -0.79182600 | 1.77725600 | C | -2.00576700 | -0.11055000 | 0.47065100 |
| B | 2.58339400 | -0.49596500 | 0.24959400 | C | 0.87367100 | -3.09884600 | 0.95988700 |
| O | 3.80954200 | -0.20104200 | -0.42882500 | N | 0.56256000 | -4.10717600 | 1.43395600 |
| O | 2.87957300 | -0.91906800 | 1.58938800 | H | -6.75438800 | -0.27633900 | -0.69484000 |
| C | 1.71077000 | 1.84200000 | -0.60445700 | H | -7.00795200 | -0.64939900 | 1.66716900 |
| C | 0.95814800 | 3.00356600 | -0.56351800 | H | -7.10839200 | 1.12240800 | 1.77920400 |
| C | 0.27827800 | 3.30033600 | 0.61938400 | H | -6.25309600 | 1.41301500 | -0.44979000 |
| C | 0.37733700 | 2.44244200 | 1.71561700 | H | 6.71263600 | 2.69181800 | 1.91139400 |
| C | 1.14363200 | 1.29450600 | 1.58285200 | H | 5.74846000 | 3.44680800 | 0.62115500 |
| N | 1.78857600 | 1.01834400 | 0.44571700 | H | 7.61917500 | 1.04921300 | 0.41092100 |
| H | 2.27905700 | 1.53376100 | -1.47652400 | H | 7.13304500 | 2.17640100 | -0.87652200 |
| H | 0.88433400 | 3.65002100 | -1.42860900 | O | -2.97443800 | -0.11663500 | 1.45678900 |
| H | -0.14742200 | 2.65325200 | 2.63911800 | C | -1.95010700 | 1.13292500 | -0.33317900 |
| H | 1.26941100 | 0.55940600 | 2.37054200 | C | -1.68419200 | 1.09156400 | -1.70578300 |
| C | -0.55773400 | 4.47132800 | 0.69285100 | C | -2.19546600 | 2.36562800 | 0.28284000 |
| N | -1.23932200 | 5.40393600 | 0.74764300 | C | -1.63241900 | 2.27145600 | -2.44159400 |
| H | 4.74038700 | 1.13362100 | 0.85884000 | H | -1.54816100 | 0.12479900 | -2.18246600 |
| H | 4.49611100 | -0.32828300 | 2.74551800 | C | -2.14294300 | 3.54127600 | -0.45719800 |
| H | 4.74443800 | -1.78633200 | 1.75865500 | H | -2.41447000 | 2.39408700 | 1.34623800 |
| H | 5.75953700 | -0.19292700 | 0.24923800 | C | -1.85681600 | 3.49740200 | -1.82026400 |
| | | | | H | -1.43086300 | 2.23107100 | -3.50747400 |
| | | | | H | -2.32359200 | 4.49391400 | 0.03042600 |
| | | | | C | -1.18134500 | -1.15862000 | 0.38839600 |

INT-AE

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | -1.38275600 | -1.98891900 | 1.06234000 | H | 4.15161800 | 4.46912000 | -0.64604300 |
| C | 0.04051500 | -1.23272400 | -0.49545800 | H | 4.78632000 | 2.89988500 | -0.10046500 |
| H | 0.36044700 | -0.21314900 | -0.73836000 | H | -1.35600600 | 2.07970900 | 0.38248300 |
| N | -0.24509600 | -1.88075400 | -1.76460700 | C | -3.32734400 | 1.33461200 | -0.14838100 |
| C | -0.59680100 | -3.28533100 | -1.73245300 | C | -3.75534200 | 1.36814600 | 1.18337600 |
| H | -1.28429600 | -3.48265400 | -0.90653800 | C | -4.22517900 | 0.89186800 | -1.12583400 |
| H | -1.10108900 | -3.54763900 | -2.66851100 | C | -5.04200200 | 0.96640800 | 1.53036300 |
| H | 0.27166800 | -3.95636600 | -1.61805800 | H | -3.05885800 | 1.70116600 | 1.94962000 |
| C | 0.57389700 | -1.52070100 | -2.90475600 | C | -5.51122600 | 0.49139000 | -0.78003800 |
| H | 0.82273000 | -0.45601800 | -2.85672800 | H | -3.91840100 | 0.85312300 | -2.16830200 |
| H | 1.51498500 | -2.08448100 | -2.99252300 | C | -5.92607000 | 0.52637200 | 0.54959100 |
| H | -0.00208700 | -1.69625600 | -3.82150800 | H | -5.35228500 | 0.99608800 | 2.57010600 |
| | | | | H | -6.19211800 | 0.14799900 | -1.55247300 |
| | | | | H | -6.92897600 | 0.21102600 | 0.81747500 |
| | | | | C | 0.66507800 | 2.31606000 | 2.56659400 |
| | | | | C | 2.05583600 | 1.67831200 | 2.73299900 |
| C | -1.93594100 | 1.74335900 | -0.47115900 | B | 0.60643700 | 0.18144900 | 1.89063900 |
| C | -1.56640200 | 2.35295900 | -1.79059200 | O | -0.20535600 | 1.21070200 | 2.30400200 |
| C | -1.12944500 | 0.94654400 | -1.49504800 | O | 1.95129200 | 0.41860900 | 2.06131900 |
| H | -0.80260400 | 3.12280700 | -1.78150500 | C | -1.24588700 | -1.21903800 | 1.06438000 |
| H | -2.35421400 | 2.49117200 | -2.52355200 | C | -1.71041900 | -2.29151000 | 0.40026000 |
| H | -1.67252600 | 0.14283700 | -1.98321800 | C | -0.79529700 | -3.34458300 | -0.00012600 |
| C | 0.27334300 | 0.62639000 | -1.20109300 | C | 0.54234700 | -3.21317600 | 0.36175600 |
| C | 0.86922100 | -0.55315100 | -1.52326000 | C | 1.02270700 | -2.04815500 | 0.94397800 |
| H | 0.27110000 | -1.24434700 | -2.11130200 | N | 0.11762500 | -1.04437000 | 1.34439700 |
| C | 2.09828600 | -1.00477400 | -0.98769000 | H | -1.88913100 | -0.41952500 | 1.40942900 |
| H | 2.62213300 | -0.37461500 | -0.27191000 | H | -2.77076200 | -2.37470000 | 0.19529100 |
| C | 3.90950600 | -2.57049400 | -0.77007000 | H | 1.24261600 | -4.01586500 | 0.15311200 |
| H | 4.70198600 | -2.98072300 | -1.40143200 | H | 1.99731000 | -2.00130400 | 1.41220300 |
| H | 4.34687000 | -1.82180100 | -0.10429800 | C | -1.24263200 | -4.48759700 | -0.71214700 |
| H | 3.50508100 | -3.38714300 | -0.15072200 | N | -1.59518300 | -5.41903600 | -1.31285000 |
| C | 2.33063700 | -2.79536600 | -2.62535400 | H | 0.64391600 | 2.99581100 | 1.70836200 |
| H | 1.58387500 | -3.50280000 | -2.23497000 | H | 0.32538800 | 2.84118000 | 3.46172100 |
| H | 3.13595000 | -3.36578200 | -3.09393100 | H | 2.30209000 | 1.49699300 | 3.78480200 |
| H | 1.85710400 | -2.17588700 | -3.39022000 | H | 2.83925900 | 2.27600900 | 2.26556000 |
| N | 2.89807900 | -1.94790600 | -1.59605600 | | | | |
| O | 0.92642500 | 1.61627300 | -0.48127100 | | | | |
| C | 3.86666600 | 2.82773400 | -2.10036200 | | | | |
| C | 3.98671500 | 3.38974800 | -0.66633700 | | | | |
| B | 2.10747000 | 2.16725400 | -0.86955500 | C | 2.08303100 | -1.42688600 | -1.75532000 |
| O | 2.76732800 | 1.92182700 | -2.04173100 | C | 1.54831300 | -1.83977100 | -3.09529800 |
| O | 2.73351800 | 3.08433400 | -0.05588200 | C | 1.23793600 | -0.46517000 | -2.56429600 |
| H | 4.76317000 | 2.29386200 | -2.42231800 | H | 0.73079600 | -2.55096400 | -3.10999300 |
| H | 3.64239900 | 3.61242400 | -2.82998700 | H | 2.25263200 | -1.89562500 | -3.91776700 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 1.75328600 | 0.37229000 | -3.02285800 | H | -2.64685900 | -2.29403300 | 3.93052000 |
| C | -0.10529300 | -0.15386700 | -2.04652900 | H | -2.02979800 | -1.17344700 | 5.16407000 |
| C | -0.57431900 | 1.12006600 | -1.92146300 | H | -3.73697200 | 0.37445200 | 4.55550100 |
| H | 0.05842600 | 1.93816600 | -2.24179300 | H | -4.27361700 | -0.70032400 | 3.24688900 |
| C | -1.78623900 | 1.39347400 | -1.23140200 | N | -2.76925000 | 0.29159400 | -1.28498900 |
| O | -0.80189900 | -1.21895600 | -1.64110600 | C | -3.90477200 | 0.53672800 | -0.36880100 |
| C | -2.96454600 | -3.16886100 | -0.32198200 | C | -3.30721300 | 0.19055800 | -2.67896500 |
| C | -2.67838600 | -2.37936100 | 0.95999800 | H | -4.59635300 | -0.30292400 | -0.46072700 |
| B | -2.06967800 | -1.15386000 | -0.91464600 | H | -3.54216000 | 0.60744100 | 0.65520400 |
| O | -2.99024300 | -2.17834000 | -1.32426800 | H | -4.40730500 | 1.46415500 | -0.66084900 |
| O | -1.91431300 | -1.27445200 | 0.52174000 | H | -3.75564900 | 1.14915900 | -2.95310000 |
| H | -3.91787600 | -3.70545900 | -0.29290400 | H | -4.04343900 | -0.61165800 | -2.70884800 |
| H | -2.16051100 | -3.89291100 | -0.51530200 | H | -2.48189600 | -0.03864500 | -3.35145900 |
| H | -2.11515400 | -2.95248800 | 1.70391900 | H | -2.26904800 | 2.36284300 | -1.35740100 |
| H | -3.61861600 | -2.03026800 | 1.42077800 | | | | |
| H | 1.55867500 | -1.86362700 | -0.90791900 | | | | |
| C | 3.54294500 | -1.17929500 | -1.54742200 | | | | |
| C | 4.09134900 | 0.10415000 | -1.58856700 | | | | |
| C | 4.38928900 | -2.25967000 | -1.27392100 | C | -0.56748100 | -1.41032500 | 0.22570700 |
| C | 5.45061600 | 0.30803800 | -1.35783900 | C | -1.78320000 | -1.45797300 | -0.65137600 |
| H | 3.45449300 | 0.96037600 | -1.78879600 | C | -2.91900900 | -0.72345000 | 0.01115600 |
| C | 5.74620700 | -2.06051200 | -1.04581500 | H | -2.07030100 | -2.48588000 | -0.88235900 |
| H | 3.97167100 | -3.26268600 | -1.24381700 | H | -1.57114500 | -0.96987300 | -1.61035400 |
| C | 6.28189300 | -0.77372200 | -1.08651600 | H | -3.56359100 | -1.26379500 | 0.69703000 |
| H | 5.84801200 | 1.31779000 | -1.38571700 | C | -3.14173200 | 0.58514500 | -0.15773200 |
| H | 6.38853500 | -2.91024700 | -0.83595400 | C | -4.21142000 | 1.34372900 | 0.47626400 |
| H | 7.34064900 | -0.61800600 | -0.90594000 | H | -4.80314100 | 0.80537500 | 1.20833300 |
| C | -2.31965500 | -1.26663700 | 4.11379900 | C | -4.46916000 | 2.63111300 | 0.17221900 |
| C | -3.40049900 | -0.22988600 | 3.70916800 | H | -3.89385800 | 3.11984600 | -0.61162300 |
| B | -1.50462400 | 0.11745200 | 2.53177200 | C | -5.98691300 | 4.49337800 | -0.04589400 |
| O | -1.19160600 | -0.97692400 | 3.29308200 | H | -6.39817400 | 5.27803900 | 0.59479400 |
| O | -2.76522600 | 0.61778000 | 2.75462400 | H | -5.21486300 | 4.93656500 | -0.67911000 |
| C | 0.72746900 | 0.29821800 | 1.53946800 | H | -6.79126800 | 4.11643300 | -0.69542600 |
| C | 1.67850200 | 0.96482400 | 0.85859200 | C | -6.28382500 | 2.85671400 | 1.74922000 |
| C | 1.35924700 | 2.26261100 | 0.30438500 | H | -6.95120000 | 2.10219700 | 1.30285200 |
| C | 0.07877900 | 2.76616300 | 0.45940700 | H | -6.89375800 | 3.63872000 | 2.20619900 |
| C | -0.91900000 | 1.98181400 | 1.03613500 | H | -5.69479900 | 2.37427500 | 2.53383900 |
| N | -0.54537400 | 0.83107100 | 1.73224500 | N | -5.39757200 | 3.45340200 | 0.77590600 |
| H | 0.88977600 | -0.67019400 | 1.99595000 | O | -2.34549600 | 1.31018900 | -1.03936100 |
| H | 2.66214800 | 0.53443700 | 0.71735900 | C | 0.01196700 | 3.88334600 | -0.42193400 |
| H | -0.18959300 | 3.72487800 | 0.02866400 | C | 0.14745600 | 3.02071900 | 0.84755100 |
| H | -1.88721500 | 2.38439000 | 1.30218900 | B | -1.37776100 | 2.12090000 | -0.53612800 |
| C | 2.34580100 | 2.99461200 | -0.41904700 | O | -0.77941400 | 3.09120900 | -1.30780800 |
| N | 3.15471000 | 3.56300700 | -1.02914300 | O | -0.92524400 | 2.08795200 | 0.76071700 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| H | 0.98053600 | 4.10818900 | -0.87483600 | H | 0.13813200 | 0.35456100 | -2.23174500 |
| H | -0.51575800 | 4.82259300 | -0.22233300 | H | -0.42386100 | -1.28509300 | -1.94836500 |
| H | 0.05755600 | 3.60065600 | 1.76901100 | H | 1.86250400 | -1.84350600 | -2.16407900 |
| H | 1.09774900 | 2.47514500 | 0.86125400 | C | 2.66984000 | -0.47433400 | -0.84818400 |
| H | -0.25257100 | -0.41198500 | 0.52669600 | C | 4.01377000 | -1.03809500 | -0.87797700 |
| C | 0.04323400 | -2.50539900 | 0.89726900 | H | 4.14831700 | -1.91616500 | -1.49964200 |
| C | 1.02861000 | -2.24775000 | 1.88376200 | C | 5.03399900 | -0.50321300 | -0.17806700 |
| C | -0.21446900 | -3.85913500 | 0.56829900 | H | 4.84097600 | 0.35747900 | 0.45664200 |
| C | 1.70807700 | -3.28022000 | 2.50969700 | C | 7.14204200 | -0.66526400 | 0.99059800 |
| H | 1.23898300 | -1.21451900 | 2.14745500 | H | 8.20336700 | -0.65137000 | 0.72842100 |
| C | 0.47656300 | -4.88365400 | 1.19517300 | H | 6.87905400 | 0.30918600 | 1.40778800 |
| H | -0.93363900 | -4.09703400 | -0.20782900 | H | 6.98593300 | -1.42779900 | 1.76860300 |
| C | 1.43833600 | -4.60720800 | 2.17013200 | C | 6.67197800 | -2.11040400 | -0.93267800 |
| H | 2.45212700 | -3.05398300 | 3.26762400 | H | 6.19971600 | -3.00665800 | -0.49934000 |
| H | 0.26914200 | -5.91265000 | 0.91839400 | H | 7.75480100 | -2.25037600 | -0.93530000 |
| H | 1.97066300 | -5.41681900 | 2.65826100 | H | 6.33429900 | -2.01068000 | -1.96787300 |
| C | 5.16621900 | 3.09009300 | 1.04657300 | N | 6.34886900 | -0.90917500 | -0.19829600 |
| C | 4.38745000 | 4.08002800 | 0.15637400 | O | 2.54118200 | 0.59899100 | 0.00843900 |
| B | 3.63873700 | 1.98788700 | -0.17414900 | C | 1.06867500 | 3.48669600 | -1.49833700 |
| O | 4.76586300 | 1.80014500 | 0.58044100 | C | 0.91419700 | 3.75181300 | 0.01694400 |
| O | 3.30676700 | 3.30667500 | -0.37422700 | B | 1.91748500 | 1.76771200 | -0.31646300 |
| C | 1.76587200 | 1.14425500 | -1.53886300 | O | 1.56894400 | 2.15314200 | -1.58698200 |
| C | 1.01612300 | 0.13486200 | -2.03676100 | O | 1.64079500 | 2.69906200 | 0.64876200 |
| C | 1.30661900 | -1.22526800 | -1.68702500 | H | 1.78759600 | 4.16479300 | -1.96980100 |
| C | 2.45992000 | -1.45811900 | -0.86947400 | H | 0.11405200 | 3.55307400 | -2.02613300 |
| C | 3.18221200 | -0.42166400 | -0.38898900 | H | -0.13345200 | 3.70048500 | 0.33052000 |
| N | 2.85900700 | 0.90608300 | -0.69518500 | H | 1.33334400 | 4.71461800 | 0.31966300 |
| H | 1.57752000 | 2.18200000 | -1.78089000 | H | 0.28050300 | -0.41198000 | 0.68453300 |
| H | 0.18425800 | 0.37283200 | -2.69086100 | C | -1.15775000 | 1.03259700 | 0.03004900 |
| H | 2.73398600 | -2.47122200 | -0.59935300 | C | -1.43016700 | 1.48543900 | 1.34760200 |
| H | 4.04476700 | -0.54738600 | 0.25271500 | C | -1.84381000 | 1.67783000 | -1.03067600 |
| C | 0.63800800 | -2.31161000 | -2.30593000 | C | -2.30110900 | 2.53911000 | 1.58282700 |
| N | 0.07635200 | -3.21017000 | -2.78619700 | H | -0.92283800 | 0.99691700 | 2.17560100 |
| H | 4.89251500 | 3.18568300 | 2.10220700 | C | -2.72146300 | 2.72389800 | -0.78412800 |
| H | 6.24853700 | 3.19306600 | 0.94985400 | H | -1.68379000 | 1.34612000 | -2.05161600 |
| H | 4.99623000 | 4.45172000 | -0.67367800 | C | -2.95246700 | 3.17003200 | 0.51990500 |
| H | 3.98841800 | 4.93044500 | 0.71267200 | H | -2.47378800 | 2.87402000 | 2.60122300 |
| | | | | H | -3.23951300 | 3.19467400 | -1.61462300 |
| | | | | H | -3.63509100 | 3.99289800 | 0.70370300 |
| | | | | C | -0.31679500 | -2.99077900 | 2.06318100 |
| | | | | C | 0.15119500 | -3.38489900 | 0.64510500 |
| C | -0.28813800 | -0.07300900 | -0.17917600 | B | -1.62111300 | -2.03804300 | 0.50379100 |
| C | 0.21279300 | -0.48905500 | -1.53398400 | O | -1.33732200 | -2.01225300 | 1.85342500 |
| C | 1.63276000 | -0.99278300 | -1.52956300 | O | -0.92527100 | -2.98840700 | -0.20864300 |

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|---|-------------|-------------|-------------|---|------------|-------------|-------------|
| C | -3.14830400 | -1.49687300 | -1.36719900 | C | 1.76166000 | -1.17592900 | -0.84856100 |
| C | -4.18462800 | -0.78724300 | -1.89930300 | H | 1.64494800 | -0.30760700 | -1.49469000 |
| C | -4.97432000 | 0.05216700 | -1.07321000 | N | 2.66738800 | -2.09950500 | -1.32905300 |
| C | -4.64414300 | 0.11878400 | 0.29783300 | C | 2.79618800 | -3.38478300 | -0.68219500 |
| C | -3.59678500 | -0.60508300 | 0.79142800 | H | 1.82735900 | -3.89819500 | -0.66675800 |
| N | -2.82690100 | -1.41339800 | -0.02639000 | H | 3.50809000 | -3.99601300 | -1.24010200 |
| H | -2.53456500 | -2.17348900 | -1.94822500 | H | 3.14582400 | -3.29643800 | 0.35586800 |
| H | -4.40708400 | -0.88309300 | -2.95514800 | C | 3.63245300 | -1.70867500 | -2.33294900 |
| H | -5.21228800 | 0.75140900 | 0.96897700 | H | 3.23315500 | -0.86188600 | -2.89639700 |
| H | -3.31281800 | -0.59955300 | 1.83455900 | H | 4.60082300 | -1.40336900 | -1.92037000 |
| C | -6.03603100 | 0.82799800 | -1.61363300 | H | 3.78875200 | -2.53909300 | -3.02889800 |
| N | -6.89863900 | 1.46623400 | -2.05829600 | C | 5.08911100 | -0.98781800 | 0.67650200 |
| H | 0.48881500 | -2.55850600 | 2.66173300 | C | 4.39810600 | -1.35929300 | 1.99845700 |
| H | -0.74808700 | -3.83838000 | 2.60584200 | B | 3.00086200 | -0.12468800 | 0.72403900 |
| H | 0.32254000 | -4.45776800 | 0.53563200 | O | 4.24388100 | -0.00349900 | 0.09463200 |
| H | 1.05473300 | -2.83899100 | 0.34915500 | O | 3.02944100 | -1.03993000 | 1.78146000 |
| | | | | C | 2.16775800 | 2.02125100 | -0.20617800 |
| | | | | C | 1.20753200 | 2.97769900 | -0.32166800 |
| | | | | C | 0.10447100 | 2.99542500 | 0.57539400 |
| | | | | C | 0.06345500 | 2.00032800 | 1.57551300 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -4.49012300 | -2.29236200 | 0.20867900 | C | 1.02841400 | 1.03551800 | 1.63194400 |
| C | -4.63938800 | -2.12244100 | 1.73506400 | N | 2.10099600 | 1.02960000 | 0.75947300 |
| B | -2.56826800 | -1.55047400 | 1.09135600 | H | 3.03761400 | 1.97458800 | -0.85018700 |
| O | -3.09155200 | -2.14861200 | -0.02604200 | H | 1.29518300 | 3.73116400 | -1.09493200 |
| O | -3.45270500 | -1.43978000 | 2.13298200 | H | -0.74961500 | 1.97025200 | 2.29171400 |
| C | -0.51839800 | -0.87759700 | 0.07361200 | H | 1.02531300 | 0.24421600 | 2.36993700 |
| H | -4.82590500 | -3.26873600 | -0.14720400 | C | -0.93722800 | 3.95322700 | 0.45201300 |
| H | -4.68716500 | -3.08766800 | 2.25082600 | N | -1.80332500 | 4.72107900 | 0.34542000 |
| H | -5.51424900 | -1.53096500 | 2.01343500 | H | 6.09063900 | -0.57409600 | 0.81951600 |
| H | -5.02308100 | -1.51039500 | -0.34295900 | H | 4.78525300 | -0.76547100 | 2.83502600 |
| O | -1.28693000 | -1.09922200 | 1.20479500 | H | 4.49928500 | -2.42012500 | 2.24587900 |
| C | -1.10944600 | 0.01817600 | -0.93089500 | H | 5.16160100 | -1.85886300 | 0.01123300 |
| C | -2.04244700 | 0.99456700 | -0.54752400 | | | | |
| C | -0.82481800 | -0.12196800 | -2.30111200 | | | | |
| C | -2.62786300 | 1.83733400 | -1.48893100 | | | | |
| H | -2.30051100 | 1.10335800 | 0.50196500 | | | | |
| C | -1.40709200 | 0.71952600 | -3.23614100 | | | | |
| H | -0.16959400 | -0.92207900 | -2.62898400 | | | | |
| C | -2.30137100 | 1.71391500 | -2.83415100 | | | | |
| H | -3.31577900 | 2.60846800 | -1.15862600 | | | | |
| H | -1.17769800 | 0.58924800 | -4.28913800 | | | | |
| H | -2.74855400 | 2.37648300 | -3.56772900 | | | | |
| C | 0.67963900 | -1.53486600 | 0.00304700 | | | | |
| H | 0.85844100 | -2.28210900 | 0.77254700 | | | | |

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|---|-------------|-------------|-------------|
| C | 5.16612200 | -0.41378300 | 1.23672900 |
| C | 5.02207200 | -1.94753000 | 1.15112800 |
| B | 3.01393400 | -0.96370200 | 0.94086900 |
| O | 3.82515200 | 0.06137600 | 1.34287000 |
| O | 3.67234200 | -2.15148100 | 0.73026900 |
| C | 1.24096400 | -2.87553900 | -1.57039700 |
| C | 0.82548900 | -3.69315900 | -0.32530600 |
| B | -0.65779800 | -2.03529600 | -0.69189200 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| O | 0.30035100 | -1.80417800 | -1.65323500 | C | -2.46913700 | 1.29274200 | 2.74375900 |
| O | -0.44325800 | -3.16727700 | 0.05548300 | H | -2.51147900 | 0.20755500 | 2.60462100 |
| C | -2.76342600 | -1.57038800 | 0.47165600 | H | -1.73572900 | 1.52856500 | 3.52663500 |
| C | -3.85195400 | -0.81700800 | 0.71545900 | H | -3.45722800 | 1.62764200 | 3.06479800 |
| C | -4.07063500 | 0.41868300 | -0.01424800 | | | | |
| C | -3.11268000 | 0.77379700 | -0.96132200 | | | | |
| C | -1.92323200 | 0.07931700 | -1.05006300 | | | | |
| N | -1.80554000 | -1.21248100 | -0.49123900 | | | | |
| H | -2.57546300 | -2.51296000 | 0.97102800 | C | -4.95926600 | 0.37158100 | 1.13586200 |
| H | -4.56918500 | -1.14041400 | 1.46065300 | C | -5.47153700 | 0.24173800 | -0.31427400 |
| H | -3.21432800 | 1.69974800 | -1.51944300 | B | -3.22723000 | 0.32480900 | -0.28640300 |
| H | -1.15488600 | 0.32992300 | -1.77210000 | O | -3.57109300 | 0.66194800 | 0.99643000 |
| C | 1.03123300 | 0.32362100 | 0.53593300 | O | -4.29748700 | -0.01075800 | -1.08298300 |
| C | -5.17791700 | 1.25562000 | 0.26792700 | C | -0.84853600 | 0.31030900 | 0.06890200 |
| N | -6.05507200 | 1.97269000 | 0.53765000 | H | -5.45051900 | 1.17355700 | 1.69102700 |
| H | 5.74171900 | -0.08747000 | 2.10503600 | H | -5.93841400 | 1.16808600 | -0.66644400 |
| H | 5.16734000 | -2.42730900 | 2.12445000 | H | -6.18005100 | -0.57957100 | -0.44265700 |
| H | 5.70375900 | -2.40004800 | 0.42820600 | H | -5.07053800 | -0.56494200 | 1.69292800 |
| H | 5.61766600 | 0.00569200 | 0.33151800 | O | -1.96637500 | 0.30347300 | -0.78918400 |
| H | 0.72425700 | -4.75988500 | -0.54238300 | C | -0.78725600 | -0.82999400 | 0.97364100 |
| H | 1.53493200 | -3.55633800 | 0.49477500 | C | -1.51851000 | -2.00431000 | 0.67315600 |
| H | 1.18858900 | -3.46212000 | -2.49314400 | C | 0.01900000 | -0.85701900 | 2.12664200 |
| H | 2.25271800 | -2.47319400 | -1.45998800 | C | -1.42708000 | -3.13313100 | 1.46910600 |
| O | 1.66556400 | -0.88475500 | 0.75671600 | H | -2.14045700 | -2.02981400 | -0.21458500 |
| C | 1.68766700 | 1.23132800 | -0.42573900 | C | 0.09833400 | -1.99414200 | 2.92810500 |
| C | 2.25659800 | 0.72575200 | -1.60190800 | H | 0.53974100 | 0.03580200 | 2.44566600 |
| C | 1.79140800 | 2.60216400 | -0.15580100 | C | -0.61041300 | -3.14311200 | 2.60347400 |
| C | 2.89654000 | 1.57832900 | -2.49534800 | H | -1.99694700 | -4.01800800 | 1.20290600 |
| H | 2.15359200 | -0.33074300 | -1.82453700 | H | 0.72066800 | -1.96965600 | 3.81755200 |
| C | 2.42992800 | 3.45058100 | -1.05188700 | H | -0.54015100 | -4.03007200 | 3.22406600 |
| H | 1.38981500 | 2.98756700 | 0.77635400 | C | -0.28954200 | 1.61013400 | 0.22342900 |
| C | 2.98344900 | 2.94167700 | -2.22548800 | H | -0.81547900 | 2.36111300 | -0.35825100 |
| H | 3.32073900 | 1.17723600 | -3.41027200 | C | 0.85305900 | 1.99611700 | 0.87784300 |
| H | 2.51022000 | 4.50917700 | -0.82687800 | H | 1.47707900 | 1.28832600 | 1.40944100 |
| H | 3.48395200 | 3.60487600 | -2.92344100 | N | 1.24155700 | 3.30788800 | 1.06745700 |
| C | -0.16075700 | 0.53644100 | 1.13971200 | C | 0.52799400 | 4.34732000 | 0.36240400 |
| H | -0.48152100 | -0.21833800 | 1.85260900 | H | -0.53821400 | 4.29213000 | 0.59681100 |
| C | -1.09133500 | 1.55157500 | 0.73785800 | H | 0.90420400 | 5.31921400 | 0.68759800 |
| H | -0.77455400 | 2.26839500 | -0.00941500 | H | 0.64821500 | 4.27015100 | -0.73091700 |
| N | -2.14765400 | 1.94141600 | 1.49153200 | C | 2.65081300 | 3.55983300 | 1.27422700 |
| C | -2.76724700 | 3.22544800 | 1.22429000 | H | 3.08897000 | 2.74500700 | 1.85781400 |
| H | -2.65983300 | 3.46293700 | 0.16299500 | H | 3.20525400 | 3.63794800 | 0.32458800 |
| H | -3.83495900 | 3.18216800 | 1.45227800 | H | 2.78324000 | 4.49433300 | 1.82590900 |
| H | -2.30197800 | 4.03044200 | 1.81016100 | C | -0.98954400 | -0.04889100 | -3.50716900 |

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|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -1.27765200 | -1.48759200 | -3.00127600 | C | -1.06627800 | 0.66065400 | -0.24997100 |
| B | 0.32286900 | -0.53086300 | -1.73766000 | C | 1.01413900 | -3.13094500 | 0.01306300 |
| O | 0.06614100 | 0.44145400 | -2.68568600 | N | 0.65307700 | -4.21749300 | -0.20939400 |
| O | -0.32532700 | -1.72661500 | -1.96726100 | H | -4.87686000 | 3.76594400 | -0.43716300 |
| C | 2.34739400 | 0.65517500 | -1.04216800 | H | -5.27809400 | 2.90412200 | 1.77450800 |
| C | 3.51081300 | 0.76503600 | -0.30771600 | H | -4.22479600 | 4.23432500 | 2.30675400 |
| C | 3.87233900 | -0.24303200 | 0.58946600 | H | -3.39563100 | 4.60689600 | 0.07833000 |
| C | 3.04140300 | -1.38949800 | 0.68315500 | H | 4.03632300 | 3.91635700 | 3.08814900 |
| C | 1.93863300 | -1.49424000 | -0.11403700 | H | 2.73726000 | 4.88135000 | 2.35375600 |
| N | 1.58501800 | -0.48867500 | -0.98602700 | H | 5.18638500 | 4.21574700 | 1.00554300 |
| H | 2.03871400 | 1.38288900 | -1.77967400 | H | 3.68803900 | 4.67665500 | 0.16234200 |
| H | 4.13314400 | 1.64341400 | -0.42764100 | O | -1.84043800 | 0.92126500 | 0.86671800 |
| H | 3.28353500 | -2.19503300 | 1.36498200 | C | -0.26811100 | 1.78689700 | -0.74325600 |
| H | 1.28438500 | -2.35814300 | -0.11175400 | C | 0.04873300 | 1.93580600 | -2.10545800 |
| C | 5.05190600 | -0.11947700 | 1.38572400 | C | 0.14404300 | 2.79645700 | 0.14216100 |
| N | 6.00444900 | -0.00967900 | 2.03826600 | C | 0.78348100 | 3.02401500 | -2.55127000 |
| H | -0.66035700 | -0.03486200 | -4.55104300 | H | -0.31994800 | 1.20676000 | -2.81904900 |
| H | -1.14314400 | -2.24083100 | -3.78322900 | C | 0.86135900 | 3.89840700 | -0.31390800 |
| H | -2.29005500 | -1.56928300 | -2.59370600 | H | -0.08301200 | 2.70503400 | 1.20065200 |
| H | -1.86531000 | 0.59466400 | -3.39502100 | C | 1.19997100 | 4.01316200 | -1.65822800 |
| | | | | H | 1.01245500 | 3.11700600 | -3.60809800 |
| | | | | H | 1.15976400 | 4.66605100 | 0.39540800 |
| | | | | H | 1.76690600 | 4.86793900 | -2.01295500 |
| | | | | C | -1.16453600 | -0.59941400 | -0.77901400 |

TS-INT-AE

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -3.97911500 | 3.68527800 | 0.17946400 | H | -1.93163200 | -1.23458300 | -0.34544000 |
| C | -4.28902800 | 3.35956200 | 1.65586800 | C | -0.23016800 | -1.18078100 | -1.66445500 |
| B | -2.74095900 | 1.94390600 | 0.86169800 | H | 0.64409100 | -0.61288000 | -1.96453700 |
| O | -3.18657700 | 2.58748300 | -0.26483800 | N | -0.48394900 | -2.27759800 | -2.41062100 |
| O | -3.29187200 | 2.41114000 | 2.02682300 | C | -1.68894500 | -3.05943400 | -2.19507300 |
| C | 4.12574600 | 3.98203300 | 0.88767100 | H | -2.56370800 | -2.40257700 | -2.23958500 |
| C | 3.36012900 | 3.99109000 | 2.23009300 | H | -1.76721500 | -3.80213700 | -2.99061400 |
| B | 2.98004200 | 2.06544900 | 1.13341100 | H | -1.66907800 | -3.58189300 | -1.23412400 |
| O | 3.98009500 | 2.65276400 | 0.39734100 | C | 0.57900600 | -2.86736100 | -3.20376400 |
| O | 2.53386200 | 2.83047400 | 2.18698800 | H | 1.33017600 | -2.10152000 | -3.41421300 |
| C | 1.44489900 | 0.19384300 | 1.60049800 | H | 1.05716600 | -3.70310600 | -2.68337500 |
| C | 0.93285400 | -1.02139600 | 1.31897400 | H | 0.17126300 | -3.22230900 | -4.15505000 |
| C | 1.40390200 | -1.78481100 | 0.19364600 | | | | |
| C | 2.57297700 | -1.25056200 | -0.47269500 | | | | |
| C | 3.04808800 | -0.02695900 | -0.16834900 | | | | |
| N | 2.49367700 | 0.75194400 | 0.85867000 | | | | |
| H | 1.08473200 | 0.80477900 | 2.41916900 | C | -1.65324900 | 1.44090100 | 3.42394600 |
| H | 0.11511500 | -1.39550400 | 1.92409000 | C | -2.81018900 | 0.70196300 | 2.71559000 |
| H | 3.05800700 | -1.82549600 | -1.25446700 | B | -0.82842100 | 0.03837000 | 1.85093400 |
| H | 3.89478200 | 0.42149400 | -0.67210800 | O | -0.48736800 | 1.08073000 | 2.68889100 |

TS3-iso

| | | | | | | | |
|---|-------------|-------------|-------------|------------|-------------|-------------|-------------|
| O | -2.17341500 | -0.26974700 | 1.89274000 | C | 3.35133900 | 2.46675100 | 2.84874300 |
| C | -5.41942500 | -1.04292500 | -0.61545700 | H | 2.95772600 | 1.78401400 | 3.60641700 |
| C | -5.59380200 | 0.38710100 | -0.06140500 | H | 4.05255400 | 3.15175100 | 3.32851600 |
| B | -3.49447500 | 0.09098800 | -0.81209300 | H | 2.50895800 | 3.04569600 | 2.43831400 |
| O | -4.15099500 | -1.02323900 | -1.26723900 | C | 5.07711700 | 2.44345500 | 1.09850400 |
| O | -4.27507700 | 0.93332600 | -0.05444100 | H | 5.57519800 | 1.76497100 | 0.40431300 |
| C | -1.47023400 | 1.45248600 | -0.53305300 | H | 4.65965400 | 3.27576200 | 0.51513100 |
| C | -0.13652400 | 1.63046600 | -0.65351600 | H | 5.81670200 | 2.83658100 | 1.80103900 |
| C | 0.66976000 | 0.67472000 | -1.36543600 | | | | |
| C | -0.04189900 | -0.35722200 | -2.07392900 | | | | |
| C | -1.37273300 | -0.50624300 | -1.91205800 | TS3 | | | |
| N | -2.13068600 | 0.37336200 | -1.12970000 | | | | |
| H | -2.10910700 | 2.13603500 | 0.01422200 | C | 2.78265200 | -0.97016700 | 2.58613700 |
| H | 0.33433200 | 2.47780900 | -0.16817600 | C | 3.96218200 | -0.31950300 | 1.84043300 |
| H | 0.50001100 | -1.05567700 | -2.69963300 | B | 2.00797000 | 0.46441300 | 1.02715500 |
| H | -1.93827300 | -1.30166500 | -2.38072200 | O | 1.64156100 | -0.22659100 | 2.16139300 |
| C | 1.31905300 | -0.65750300 | 0.76924100 | O | 3.36131400 | 0.38395100 | 0.75824900 |
| C | 2.02204300 | 0.96352100 | -1.64789700 | C | 3.86150200 | -0.86084700 | -2.06164100 |
| N | 3.15126400 | 1.20277900 | -1.81094800 | C | 4.15567000 | -2.09104500 | -1.18025200 |
| H | -1.77503900 | 2.52692600 | 3.40619100 | B | 1.99484200 | -1.51570000 | -1.00830500 |
| H | -3.40125300 | 1.36805700 | 2.07992700 | O | 2.43657400 | -0.76401000 | -2.06641000 |
| H | -3.47838300 | 0.20037600 | 3.42081200 | O | 2.97191800 | -2.27286600 | -0.39772700 |
| H | -1.53074800 | 1.11925600 | 4.46340400 | C | 0.17205600 | -2.34227200 | 0.45553800 |
| H | -6.22999300 | 1.00328200 | -0.70512300 | C | -1.12631300 | -2.39433000 | 0.80245200 |
| H | -5.99992700 | 0.39966200 | 0.95304100 | C | -2.10684700 | -1.60453300 | 0.08605200 |
| H | -6.19619200 | -1.31712400 | -1.33240000 | C | -1.65786000 | -0.84963600 | -0.99886300 |
| H | -5.39406300 | -1.78885100 | 0.18543000 | C | -0.31356000 | -0.70870200 | -1.24182000 |
| O | 0.00026100 | -0.74930200 | 1.11948400 | N | 0.63087700 | -1.51810900 | -0.58402100 |
| C | 1.74363200 | -1.82508400 | 0.00816400 | H | 0.93719400 | -2.94108300 | 0.93392000 |
| C | 0.77215500 | -2.75540500 | -0.42486500 | H | -1.43969200 | -3.04097000 | 1.61286400 |
| C | 3.08713000 | -2.08434500 | -0.32929600 | H | -2.34990600 | -0.25224800 | -1.58394900 |
| C | 1.12742100 | -3.85475700 | -1.19527500 | H | 0.06714300 | -0.16264200 | -2.09363500 |
| H | -0.26096200 | -2.60497200 | -0.14160400 | C | -0.14153000 | 1.36146000 | 0.17046000 |
| C | 3.43037000 | -3.18392500 | -1.10228000 | C | -3.47559900 | -1.64370900 | 0.45403300 |
| H | 3.87993600 | -1.45398300 | 0.04416800 | N | -4.58796300 | -1.65340200 | 0.79496400 |
| C | 2.45516000 | -4.07161200 | -1.55383900 | H | 2.65513300 | -2.01620400 | 2.29050600 |
| H | 0.35741300 | -4.55144900 | -1.51284400 | H | 4.66389100 | -1.06307200 | 1.45616600 |
| H | 4.47444800 | -3.35362900 | -1.34538900 | H | 4.50592200 | 0.39304700 | 2.46996200 |
| H | 2.73025700 | -4.92913300 | -2.15898000 | H | 2.87507800 | -0.90769300 | 3.67254700 |
| C | 2.10500300 | 0.32530900 | 1.44325200 | H | 4.32505200 | -2.99429200 | -1.77578400 |
| H | 1.57347600 | 0.86049100 | 2.21877600 | H | 5.01391300 | -1.93767400 | -0.52168700 |
| C | 3.37435100 | 0.74143800 | 1.14652200 | H | 4.22166900 | -0.97968400 | -3.08578100 |
| H | 3.92800600 | 0.35081400 | 0.30638200 | H | 4.27210400 | 0.05298300 | -1.62513900 |
| N | 4.04667300 | 1.72061800 | 1.82386600 | O | 1.22386000 | 1.21497600 | 0.21417700 |

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | -0.54339600 | 2.25839300 | -0.92527400 | H | -5.59814700 | 1.53414200 | -0.44408100 |
| C | 0.27788100 | 2.38047600 | -2.06306200 | H | -6.95353700 | 0.79246100 | -1.33274000 |
| C | -1.70637900 | 3.04161900 | -0.86651400 | H | -5.40042500 | 1.05735400 | -2.14583200 |
| C | -0.07880400 | 3.21521000 | -3.11143900 | N | -5.45481200 | -0.55459000 | -0.82565500 |
| H | 1.19657900 | 1.80337500 | -2.11072300 | O | -1.49636000 | -1.59041600 | -0.43832000 |
| C | -2.06070600 | 3.87293900 | -1.92421400 | C | 0.98318300 | -3.51533200 | -2.13978300 |
| H | -2.31154200 | 3.04026000 | 0.03183000 | C | 0.75656400 | -4.30548200 | -0.83124800 |
| C | -1.25767700 | 3.95942800 | -3.05677700 | B | -0.56846600 | -2.48969200 | -0.88386400 |
| H | 0.56820700 | 3.28595400 | -3.98029000 | O | -0.05616300 | -2.53426500 | -2.15354400 |
| H | -2.96398600 | 4.47065600 | -1.85082300 | O | -0.11064500 | -3.48002200 | -0.05457700 |
| H | -1.53724800 | 4.60743200 | -3.88073700 | H | 0.90435100 | -4.13891600 | -3.03296700 |
| C | -0.87826500 | 1.05291700 | 1.33844600 | H | 1.95225900 | -3.00480300 | -2.13869800 |
| H | -0.28330000 | 0.77011800 | 2.19700200 | H | 1.68725500 | -4.46890300 | -0.28271900 |
| C | -2.24710300 | 0.93537800 | 1.44621200 | H | 0.26653900 | -5.26853400 | -1.00882800 |
| H | -2.90043700 | 1.15090400 | 0.60710400 | H | 0.55143800 | -0.79435400 | 0.63174900 |
| N | -2.90836700 | 0.57455200 | 2.57687600 | C | 2.54350300 | -1.17602000 | -0.10002600 |
| C | -2.16304200 | 0.23737700 | 3.76739000 | C | 2.82301600 | -2.13572600 | 0.90070600 |
| H | -1.68091200 | 1.11717400 | 4.21888900 | C | 3.56299900 | -0.87888600 | -1.03437500 |
| H | -2.84304500 | -0.20451400 | 4.49740400 | C | 4.05234600 | -2.77481000 | 0.95233000 |
| H | -1.38521600 | -0.49368500 | 3.52525900 | H | 2.04151000 | -2.38387900 | 1.61499900 |
| C | -4.32217300 | 0.85835600 | 2.72524300 | C | 4.79233600 | -1.52128100 | -0.97080300 |
| H | -4.77583400 | 0.95725100 | 1.73891800 | H | 3.38498600 | -0.12964100 | -1.80069700 |
| H | -4.81800200 | 0.02529200 | 3.22894900 | C | 5.04529500 | -2.47429700 | 0.01646200 |
| H | -4.49323900 | 1.78159900 | 3.29758900 | H | 4.24154800 | -3.51439200 | 1.72459300 |
| | | | | H | 5.56284100 | -1.27346700 | -1.69420800 |
| | | | | H | 6.00677500 | -2.97471800 | 0.05932500 |
| | | | | C | -2.29691800 | 0.04376900 | 2.40727000 |
| | | | | C | -3.06349600 | 1.33658200 | 2.06253000 |

TS-INT13

| | | | | | | | |
|---|-------------|-------------|-------------|---|-------------|-------------|-------------|
| C | 1.27158000 | -0.52140500 | -0.13380800 | B | -0.89630700 | 1.56537800 | 1.55059000 |
| C | 0.78113200 | 0.21419100 | -1.34678000 | O | -0.91613300 | 0.40058400 | 2.26623200 |
| C | -0.70064300 | 0.47813800 | -1.36912600 | O | -2.12191200 | 2.13407000 | 1.33588300 |
| H | 1.05909300 | -0.35627200 | -2.24708200 | C | 0.33088300 | 3.29138600 | 0.29006700 |
| H | 1.31037700 | 1.17528300 | -1.44116900 | C | 1.44858200 | 3.74244100 | -0.31487000 |
| H | -1.01975000 | 1.43713200 | -1.76793600 | C | 2.69523100 | 3.03685200 | -0.13087000 |
| C | -1.69790300 | -0.34200700 | -0.99154500 | C | 2.71672400 | 1.95208700 | 0.75184500 |
| C | -3.10356800 | 0.04575100 | -1.04463000 | C | 1.55057900 | 1.48734800 | 1.32310900 |
| H | -3.30119100 | 1.06409800 | -1.36069300 | N | 0.33934400 | 2.15471400 | 1.10065800 |
| C | -4.10296200 | -0.80290100 | -0.72885100 | H | -0.63634900 | 3.76762400 | 0.18654000 |
| H | -3.85575100 | -1.80602500 | -0.38942200 | H | 1.40951600 | 4.62653900 | -0.93827400 |
| C | -6.32496800 | -1.24764000 | 0.10410800 | H | 3.64153500 | 1.42283800 | 0.95220600 |
| H | -7.34160900 | -1.27904400 | -0.29613500 | H | 1.54017800 | 0.74318000 | 2.10693500 |
| H | -5.97495600 | -2.27427500 | 0.23262900 | C | 3.87612500 | 3.45923000 | -0.80099800 |
| H | -6.35768900 | -0.76688400 | 1.09460100 | N | 4.83519900 | 3.80680700 | -1.35695200 |
| C | -5.87009400 | 0.77788900 | -1.19914500 | H | -2.51805500 | -0.76141500 | 1.70087400 |

| | | | |
|---|-------------|-------------|------------|
| H | -2.47819700 | -0.29864300 | 3.42815900 |
| H | -3.37214900 | 1.88703900 | 2.95741900 |
| H | -3.93393700 | 1.14261800 | 1.43205800 |