Design, Synthesis, and Evaluation of Nickel Dipyridylmethane Complexes for Coordination-Induced Spin State Switching (CISSS)

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S1 Computational Details

S1.1 General Procedures

All calculations were conducted with Gaussian 09, Revision D.01.¹ Geometry optimizations were performed at the PBE^{2,3}/def2-SVP^{4,5} level of theory. Harmonic frequency analyses were carried out at the same level to confirm that a minimum was reached and to obtain values for the entropy and the thermal correction to enthalpy. Single point energies were calculated at the optimized geometries using B3LYP⁶/def2-TZVP^{4,5}. These methods were chosen because they have shown best performance in predicting experimental data for porphyrin-based CISSS-systems.⁷

S1.2 Comparison of Calculated and Crystal Structures

The optimized structures for the complexes **1a** and **1a**(py)₂ (see section S1.10.17) were superimposed with the solid state molecular structures (see section S3) using the program Mercury 3.5.1. The root mean square deviations (RMSD) of 0.15 Å and 0.21 Å, respectively, indicate the calculated and the single crystal molecular structures being in good agreement and PBE/def2-SVP being sufficient for geometry optimization.



Figure S1: Overlay of solid state structures (red) with the calculated structures (blue, PBE/def2-SVP) for complexes 1a (left) and $1a(py)_2$ (right).

S1.3 Binding Enthalpy of Pyridine to Different Nickel Complexes

Binding enthalpies $\Delta H_{\text{Ni-Py}}$ of pyridine to the nickel complexes with dipyridylmethanes containing different ligating anionic residues were determinded as the difference between the enthalpy of the triplet pentacoordinate complex (H_{NiPy}) and the sum of the enthalpies of the singlet tetracoordinate complex (H_{Ni}) and the non-binding pyridine (H_{Py}). Enthalpies H were determined by revising the electronic energies E_{elec} extracted from the single point energy calculations by the addition of the zero point energy and the thermal correction from harmonic frequency analyses H_{corr} (in Gaussian: thermal correction to enthalpy).

$$H = E_{\text{elec}} + H_{\text{corr}} \tag{S1}$$

$$\Delta H_{\rm Ni-Py} = H_{\rm NiPy} - (H_{\rm Ni} + H_{\rm Py})$$
(S2)

Where the binding enthalpy is negative, the coordination of pyridine is favored.

*E*_{elec,Py} = -248.37686420 Hartree

H_{corr,Py} = 0.091702 Hartree

Table S1. Absolute energies (E_{elec}) and corrections to enthalpy (H_{corr}) of tetracoordinate nickel dipyridylmethane complexes and pentacoordinate pyridine adducts as well as the hereby calculated binding enthalpies of pyridine to the complexes (ΔH_{Ni-Py}).

	E _{elec,Ni} / Hartree	H _{corr,Ni} / Hartree	E _{elec,NiPy} / Hartree	H _{corr,NiPy} / Hartree	∆ <i>H</i> _{Ni-Py} / kcal·mol ⁻¹
	-2611.01474264	0.328866	-2859.35871418	0.420712	+20.7
	-2767.10938902	0.423455	-3015.45533049	0.515356	+19.5
	-2763.51015677	0.354444	-3011.85696642	0.446492	+19.1
	-2962.06697249	0.340117	-3210.41465826	0.432313	+18.6
	-2650.27579139	0.358619	-2898.71369402	0.450925	+9.8
OMe N Ni F	-2917.18983459	0.403142	-3165.55500907	0.495775	+8.2
	-2533.58622008	0.293594	-2781.95339133	0.386453	+6.8

	E _{elec,Ni} / Hartree	H _{corr,Ni} / Hartree	E _{elec,NiPy} / Hartree	H _{corr,NiPy} / Hartree	ΔH _{Ni-Py} / kcal∙mol ⁻¹
	-2612.21506135	0.350541	-2860.58829618	0.443274	+2.9
	-2614.15809462	0.365778	-2862.53389931	0.458787	+1.5
	-2646.21739490	0.342405	-2894.59592763	0.435374	-0.3
	-2646.27339024	0.343411	-2894.65245306	0.436495	-0.5
F ₃ C L CF ₃	-3320.60913089	0.359231	-3568.99137492	0.452311	-2.5
M M M	-2653.95410417	0.342153	-2902.33676685	0.435173	-2.8
	-2678.28234085	0.318432	-2926.66655702	0.411826	-3.6
F_{3} C o OMe	-3352.72392728	0.336675	-3601.11023590	0.430032	-4.9
OMe N Ni 1a	-2573.34788283	0.268795	-2821.73421271	0.361986	-5.0

S1.4 Coordination Isomers of the Pentacoordinate Complexes

The two sides of the square planar complexes are diastereotopic. Therefore, there are two possibilities for the coordination of the first pyridine (compare Figure S3). According to the calculations, the coordination on the side of the methyl group is favored by 0.2 to 2.6 kcal·mol⁻¹ (concerning the relevant complexes with negative binding enthalpies). Nevertheless, we used the isomer where pyridine coordinates from the methoxy side for the classification of the residues because in future LD-CISSS complexes the azopyridine is also supposed to bind from this side.

S1.5 Comparison of Binding Enthalpies in Low and High Spin Complexes

To show that spin state switching indeed takes place when a fifth ligand coordinates to the square planar nickel complex, singlet and triplet state complexes were compared. For this purpose, fully relaxed structures for each spin state were calculated (Figure S2). Interatomic distances between nickel and the pyridine nitrogen in singlet states are too long for actual coordinative bonds; i.e., the pyridine only weakly interacts with the nickel atom.



Figure S2. Optimized structures of complex **1a** in its square planar, the two square pyramidal and octahedral form with selected bond length. Triplet states are presented at the top and singlet states at the bottom. An appropriate structure for the singlet octahedral complex could not be obtained because the geometry optimization did not converge.

The results of the binding enthalpy calculations show that the complex does not bind pyridine in its diamagnetic state (Figure S3). Thus, spin state switching takes place with the formation of the square pyramidal complex. The sum of the binding enthalpies in the square pyramidal complexes is $\Sigma\Delta H_{\text{Ni-Py}} = -10.8 \text{ kcal·mol}^{-1}$. Since the binding enthalpy of two pyridine molecules in the octahedral complex amounts to $\Delta H_{\text{Ni-2Py}} = -13.0 \text{ kcal·mol}^{-1}$, the coordination of the second pyridine is facilitated by a cooperative effect of 2.2 kcal·mol}^{-1}.



Figure S3. Enthalpies of different pyridine adducts of nickel complex **1a** relative to the diamagnetic square planar complex including two non-coordinating pyridine molecules. Spin state switching takes place with the association of the first pyridine.

Table S2. Absolute energies (E_{elec}) and corrections to enthalpy (H_{corr}) of singulet and triplet states of the tetracoordinate nickel dipyridylmethane complex **1a** and the penta- and hexacoordinate pyridine adducts as well as the hereby calculated enthalpies relative to the square planar complex in singlet state and two non-coordinating pyridine molecules (ΔH).

	E _{elec} / Hartree	H _{corr} / Hartree	∆ <i>H</i> / kcal·mol ⁻¹
1a , S = 0	-2573.34788283	0.268795	
1a , S = 1	-2573.32463078	0.270667	+15.8
1a (py), S = 1 MeO-side coordination	-2821.73421271	0.361986	-5.0
1a (py), S = 0 MeO-side coordination	-2821.72676541	0.362535	±0.0
1a (py), S = 1 Me-side coordination	-2821.73072161	0.362156	-5.8
1a (py), S = 0 Me-side coordination	-2821.72429288	0.362467	+1.5
1a (py) ₂ , S = 1	-3070.12608411	0.455952	-13.0

S1.6 Substitution of the Methyl by Benzyl Groups

To enhance the solubility of complex **1a** in non-coordinating solvents the methyl group was substituted by different benzyl groups (**1b-1d**). According to the calculations, the influence of this substitution on the binding enthalpies is negligible (Figure S4).



Figure S4. Nickel dipyridylmethane complexes **1a-d** with different residues on the hydroxy group and binding enthalpies of one $(\Delta H_{\text{Ni-Py}})$ or two pyridines $(\Delta H_{\text{Ni-2Py}})$.

Table S3. Absolute energies (E_{elec}) and corrections to enthalpy (H_{corr}) of singlet and triplet states of the tetracoordinate nickel dipyridylmethane complex **1a** and the penta- and hexacoordinate pyridine adducts as well as the hereby calculated binding enthalpies relative to the square planar complex in singlet state and two unbound pyridine molecules (ΔH).

	E _{elec} / Hartree	H _{corr} / Hartree	∆ <i>H</i> / kcal·mol ⁻¹
1b	-2804.48028703	0.352709	
1b (py) BnO-side coordination	-3052.86673350	0.445748	-5.2
1b (py) Me-side coordination	-3052.86799159	0.445883	-5.9
1b (py) ₂	-3301.25856285	0.539772	-13.1
1c	-2961.78933607	0.466937	
1c (py) ^t BuBnO-side coordination	-3210.17574499	0.560155	-5.0
1c (py) Me-side coordination	-3210.17703795	0.560165	-5.8
1c (py) ₂	-3458.56749057	0.654133	-12.9
1d	-3119.09777153	0.581297	
1d (py) ^t Bu₂BnO-side coordination	-3367.48391289	0.674432	-4.9
1d (py) Me-side coordination	-3367.48515437	0.674549	-5.6
1d (py) ₂	-3615.87567993	0.768362	-12.9
1e	-2848.63908457	0.472018	
1e (py) MeO-side coordination	-3097.02488662	0.565084	-4.8
1e (py) Oct-side coordination	-3097.02655033	0.565328	-5.6
1e (py) ₂	-3345.41679195	0.659148	-12.7

S1.7 Solvent Coordination

The pyridine titration was performed in dichloromethane as a solvent. To determine if the solvent has an effect on the coordination and the magnetism, several DCM adducts were calculated.

Without the presence of pyridine, the coordination of DCM is disfavored: In the low spin state it decoordinates, in the high spin state the binding enthalpy is positive (Figure S5). Thus, the tetracoordinate state is favored.



Figure S5. Optimized structures of dichloromethane adducts of complex 1d in triplet state with the corresponding binding enthalpies for the dashed bonds.

When one pyridine molecule is already coordinated, the coordination of a DCM molecule at the sixth coordination site stabilizes the high spin state by 3.8 or 3.3 kcal·mol⁻¹, respectively (Figure S6). The DCM coordination competes with the binding a second pyridine (see section S2).



Figure S6. Optimized structures of pyridine-dichloromethane-adducts of complex **1d** in triplet state with the corresponding binding enthalpies for the dashed bonds.

Table S4. Absolute energies (E_{elec}) and corrections to enthalpy (H_{corr}) of dichloromethane and pyridine adducts in triplet state of the nickel dipyridylmethane complex **1d** and as well as the hereby calculated binding enthalpies relative to the square planar complex in singlet state and the unbound ligands (ΔH).

	E _{elec} / Hartree	H _{corr} / Hartree	∆ <i>H</i> / kcal·mol ⁻¹
dcm	-959.77647823	0.032880	
1d (dcm) ^t Bu₂BnO-side coordination	-4078.86538323	0.615357	+6.3
1d (dcm) Me-side coordination	-4078.86745288	0.615357	+5.0
1d (dcm) ₂	-5038.65240375	0.650401	+1.0
1d (py)(dcm) ^t Bu ₂ BnO-side coordination of py	-4327.26865255	0.709400	-8.8
1d (py)(dcm) Me-side coordination of py	-4327.26920133	0.709464	-9.1

S1.8 Dimers

Evans susceptibility measurements show that a solution of complex **1d** in DCM without any additional ligands is already slightly paramagnetic (see section S2). The reason for the observed paramagnetism is most probably the presence of dimers. In analogy to the solid state structure $1a_2(EtOH)_3$ (see section S3.3), dimers where the nickel ion in one complex is coordinated by a carbonyl oxygen of a second complex have been calculated. These calculated structures with up to two ligands differ from the solid state structure where three ligands (solvent molecules) are bound to the nickel atoms and the coordinating complex is oriented perpendicular to the other. In contrast, in the calculations the complexes are almost parallel to each other (Figure S7). For the dimer with one singlet and one triplet nickel center without any additional ligands $1d_2$ (= ${}^1Ni^3Ni$), four isomers (depending upon the relative orientation of the two monomeric subunits) are possible. Of these, the one with the methyl groups pointing towards each other is the lowest in energy (Figure S7 top left) and was thus chosen as a starting point for the other structures.

Table S5. Absolute energies (E_{elec}) and corrections to enthalpy (H_{corr}) enthalpies for dimers potentially appearing in the pyridine titration of **1d** as well as the hereby calculated binding enthalpies relative to the square planar complex in singlet state and the non-coordinating ligands (ΔH). The complex is abbreviated with Ni, pyridine with py, and dichloromethane with dcm. The multiplicity of each nickel(II) ion is given as a superscript number.

	E _{elec} / Hartree	H _{corr} / Hartree	Δ <i>H</i> / kcal·mol ⁻¹
ру	-248.37686	0.09170	
dcm	-959.77648	0.03288	
Ni	-3119.09777	0.58130	±0.0
¹ Ni ³ Ni	-6238.21371	1.16387	-10.6
¹ Ni ³ Ni(dcm)	-7197.99693	1.19901	-13.4
¹ Ni ³ Ni(py)	-6486.60745	1.25794	-19.7
³ Ni ₂	-6238.21152	1.16339	-9.5
³ Ni ₂ (dcm)	-7197.99343	1.19831	-11.7
³ Ni ₂ (dcm) ₂	-8157.77550	1.23322	-13.9
³Ni₂(py)	-6486.60529	1.25733	-18.7
³ Ni ₂ (py)(dcm)	-7446.38767	1.29224	-21.2
³ Ni ₂ (py) ₂	-6734.99774	1.35104	-27.2
³ Ni₂(py)₃	-6983.38768	1.44566	-33.6



Figure S7. DFT-optimized structures of dimers of complex **1d** with the corresponding binding enthalpies for all dashed bonds. The two complexes on the top left can also exist in quintet states (not shown), which are slightly higher in energy.

S1.9 Reaction Enthalpies

For the species Ni(py) and Ni(py)(dcm), where two isomers can exist, average values are considered.

Reaction	Δ <i>H</i> / kcal·mol ⁻¹
$Ni + py \rightarrow Ni(py)$	-5.3
Ni + py + dcm \rightarrow Ni(py)(dcm)	-8.9
$Ni(py) + py \rightarrow Ni(py)_2$	-7.6
$Ni(py)(dcm) + py \rightarrow Ni(py)_2 + dcm$	-3.9
$2 \text{ Ni} \rightarrow {}^{1}\text{Ni}{}^{3}\text{Ni}$	-10.6
$2 \text{ Ni} \rightarrow {}^{3}\text{Ni}_{2}$	-9.5
2 Ni + dcm \rightarrow ¹ Ni ³ Ni(dcm)	-13.4
2 Ni + dcm \rightarrow ³ Ni ₂ (dcm)	-11.7
2 Ni + 2 dcm \rightarrow ³ Ni ₂ (dcm) ₂	-13.9
1 Ni ³ Ni + py \rightarrow 1 Ni ³ Ni(py)	-9.1
${}^{3}Ni_{2} + py \rightarrow {}^{3}Ni_{2}(py)$	-9.2
1 Ni 3 Ni(dcm) + py $\rightarrow ^{3}$ Ni ₂ (py)(dcm)	-7.8
3 Ni ₂ (dcm) + py \rightarrow 3 Ni ₂ (py)(dcm)	-9.5
$^{3}Ni_{2}(dcm)_{2} + py \rightarrow ^{3}Ni_{2}(py)(dcm) + dcm$	-7.3
1 Ni 3 Ni(py) + py \rightarrow 3 Ni ₂ (py) ₂	-7.5
$^{3}Ni_{2}(py) + py \rightarrow ^{3}Ni_{2}(py)_{2}$	-8.5
$^{3}Ni_{2}(py)(dcm) + py \rightarrow ^{3}Ni_{2}(py)_{2} + dcm$	-6.1
$^{3}Ni_{2}(py)_{2} + py \rightarrow ^{3}Ni_{2}(py)_{3}$	-6.4
$^{3}Ni_{2}(py)_{3} + py \rightarrow 2 Ni(py)_{2}$	+7.9
$^{3}Ni_{2}(py) + 3 py \rightarrow 2Ni(py)_{2}$	-7.0
$^{3}Ni_{2}(py)(dcm) + 3 py \rightarrow 2Ni(py)_{2} + dcm$	-4.6

 Table S6. Calculated reaction enthalpies for selected association steps potentially taking place in the pyridine titration.

S1.10 XYZ Atomic Coordinates of the PBE/def2-SVP Optimized Ligand and Complexes

S1	.10.1 Pyridi	ne	
С	-1.205650	0.676271	0.000000
С	-1.147329	-0.728028	0.000000
С	0.000002	1.393404	0.000000
С	1.205652	0.676268	0.000000
С	1.147327	-0.728031	0.000000
Ν	-0.000002	-1.425803	0.000000
Н	-2.080780	-1.320515	0.000000
Н	0.000003	2.494678	0.000000
Н	-2.177144	1.193838	0.000000
Н	2.080777	-1.320519	0.000000
н	2.177148	1.193832	0.000000

Α				A(p	y)		
С	1.175875	1.723351	0.082018	C	-1.392540	1.795424	-0.442010
С	1.590070	-3.060103	-0.085210	C	-2.580847	2.529651	-0.244609
С	0.636111	-4.071931	-0.266105	С	-3.818271	1.868877	-0.325554
С	-0.728558	-3.739561	-0.262885	С	-3.862058	0.493244	-0.616682
С	-1.086347	-2.403902	-0.094392	С	-2.651835	-0.196644	-0.739059
С	2.232193	-0.651646	0.447136	С	-0.052167	2.566038	-0.642877
С	1.914384	0.833562	0.143049	С	1.318578	1.827505	-0.547539
Ν	-0.142113	-1.425215	0.069341	N	-1.465231	0.464542	-0.633869
Ν	0.640482	1.281532	0.095646	N	1.414108	0.493404	-0.694427
С	2.980262	1.751620	0.054637	С	2.499522	2.599342	-0.472398
С	2.715885	3.121060	-0.090608	С	3.743593	1.968287	-0.626766
С	1.383596	3.563092	-0.136588	С	3.803894	0.582267	-0.861187
С	0.366107	2.616772	-0.036662	С	2.607014	-0.141125	-0.864365
С	2.454287	-0.754775	1.974698	С	-0.117395	3.134784	-2.081567
0	3.488028	-0.999060	-0.140245	0	-0.032748	3.715212	0.209876
С	-2.527727	-1.919336	-0.054467	С	-2.555285	-1.695931	-1.083796
С	-1.111559	2.962179	-0.129526	С	2.555661	-1.670796	-1.066910
Ν	-2.522220	-0.568230	0.065723	N	-1.300664	-2.144854	-0.850346
0	-3.495091	-2.686783	-0.120256	0	-3.537118	-2.294769	-1.550314
Ν	-1.835903	1.823502	0.018825	N	1.291025	-2.105757	-0.882009
0	-1.518005	4.111068	-0.339336	0	3.583050	-2.299394	-1.365226
Н	2.756213	-1.786153	2.240600	Н	4.742551	0.035297	-1.033087
Н	1.518596	-0.502239	2.509883	Н	-1.028936	3.751516	-2.201238
Ni	-0.906919	0.261645	0.124498	Н	-0.144010	2.308711	-2.817808
С	3.542038	-0.973436	-1.562712	Ni	-0.008903	-0.820087	-0.337777
Н	3.251130	-0.052637	2.287237	N	0.046780	-0.731244	1.687687
Н	2.665188	-3.284816	-0.054569	С	-1.093562	-0.899808	2.394665
Н	4.008818	1.368864	0.109199	С	-1.100356	-1.044689	3.786929
Н	4.577619	-1.248222	-1.840131	С	0.119474	-1.020471	4.479907
Н	3.316649	0.035122	-1.975713	С	1.302228	-0.849953	3.744542
Н	2.841993	-1.704258	-2.026088	С	1.222861	-0.710061	2.354063
С	-3.690976	0.292094	0.213141	Н	2.285406	-0.829645	4.237031
С	-3.267502	1.701437	-0.248936	С	0.040297	3.436883	1.599439
Н	-4.005590	0.316316	1.282590	Н	0.771226	3.764417	-2.280996
Н	-4.553074	-0.104306	-0.365399	Н	0.007740	4.412892	2.121000
Н	-3.843499	2.503985	0.260943	Н	0.986274	2.916753	1.876093
Н	-3.453006	1.822563	-1.341795	Н	-0.815365	2.815385	1.950574
Н	0.959453	-5.115511	-0.398645	Н	-2.027049	-0.929980	1.811029
Н	-1.537560	-4.475223	-0.383254	Н	-2.056134	-1.180789	4.313732
Н	3.548079	3.837442	-0.164296	Н	0.148363	-1.137161	5.573826
Н	1.092701	4.617468	-0.254061	С	-0.744007	-3.392833	-1.351419
				С	0.776752	-3.456480	-0.983380
				Н	-0.871108	-3.431744	-2.459090
				Н	-1.275409	-4.287720	-0.953585
				Н	1.344248	-4.062713	-1.724178
				н	0.895743	-3.976046	-0.001719

S1.10.2 Ethylenediamido-substituted nickel(II) dipyridylmethane A

Н

Н

Н

H-4.799710-0.065322-0.752922H-2.5228673.612869-0.064744H-4.7505082.436898-0.182260

2.4248533.685360-0.3171694.6679442.564693-0.578385

2.129143 -0.583323 1.741153

51.	10.3 trans-	Cyclohexylen	iediamido-sul	ostituted nickel(I	I) dipyridy	/Imethane B	
В				B(py)		
С	1.177445	-1.721459	0.128694	С	1.3209	-1.803028	0.362115
С	1.594351	-3.064200	0.029372	С	1.7249	-3.157467	0.355381
Ċ	0.645840	-4.083442	-0.134447	C	0.7495	-4.163839	0.286895
c	-0 716707	-3 749029	-0 188685	C C	-0 6141	97 -3 819802	0 230356
ĉ	-1 076796	-2 /08379	-0.070651	C C	-0.9518	270 -2.463426	0 187077
ĉ	2 224060	0 627201	0.070031	c	2 2762	0 704226	0.107077
c	2.234900	-0.057561	0.445616	C C	2.5703	07 0.704250	0.090340
C	1.911902	0.832745	0.085444	L	2.0831	.8/ 0./98/10	0.394834
N	-0.139747	-1.422229	0.081369	N	0.0144	-1.50/196	0.240705
Ν	0.636760	1.281128	0.061210	N	0.8213	1.258369	0.288731
С	2.976740	1.745061	-0.057330	C	3.1523	1.717487	0.423477
С	2.712531	3.113231	-0.213168	C	2.8760	3.095485	0.413264
С	1.381356	3.559742	-0.204254	C	1.5439	3.542258	0.394183
С	0.365248	2.616137	-0.070516	C	0.5255	32 2.587937	0.301000
С	2.469697	-0.676595	1.972542	С	2.6022	-0.791558	2.219731
0	3.486755	-1.007555	-0.138941	0	3.6334	-1.066826	0.108778
Ċ	-2 510729	-1 919082	-0 173269	c C	-2 4086	-1 971746	0.041972
ĉ	-1 108896	2 982068	-0.008919	C C	-0 9738	2 9391/17	0.325751
N	-2 530010	-0 579656	0.0000010	N	-2 1320	18 _0 610500	-0.007085
	-2.339910	-0.379030	0.055015	N	2.4520		-0.007083
0	-3.446365	-2.680799	-0.450551	0	-3.3344	-2./96/32	-0.013963
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0	-1.488846	4.159359	0.039644	0	-1.3409	4.035687	0.781382
Н	2.770067	-1.696612	2.280725	Н	2.8893	-1.823446	2.500644
Н	1.539665	-0.397128	2.504218	Н	1.6752	-0.517677	2.758966
Ni	-0.916619	0.265156	0.101268	Ni	-0.7475	0.226766	-0.298691
С	3.526181	-1.049899	-1.561409	C	3.6711	.44 -1.058347	-1.309857
н	3.271655	0.035504	2.247010	Н	3.4113	-0.098723	2.521457
н	2.669112	-3.284666	0.090166	н	4.1839	1.342388	0.487177
н	4.005232	1.359689	-0.025001	н	4.7059	-1.322485	-1.601434
н	4 563110	-1 322059	-1 836423	н	3 4248	-0 057174	-1 731699
н	3 280554	-0.066167	-2 020349	н	2 9742	-1 805238	-1 755511
н	2 833106	-1 813004	-1 0811//	C C	-3 5544		-0.261831
C	2.633130	0.202610	0 242011	C	2 12/17	00 0.200910	0.201031
c	-3.077207	1 714640	-0.242911		-3.1347		0.131070
C 	-3.282563	1./14649	0.208302	н	-1.42/5	-4.559541	0.203139
H	0.971636	-5.131351	-0.21/562	L L	-4.8933	-0.075955	0.425513
Н	-1.523122	-4.484310	-0.326969	Н	-3./24/	4/ 0.2/6404	-1.368846
н	3.543958	3.825455	-0.325733	C	-5.8181	.05 1.167054	0.504754
Н	1.088854	4.616626	-0.290851	Н	-4.6815	-0.459560	1.445455
С	-5.033741	-0.095857	0.379282	Н	-5.3745	-0.912324	-0.118621
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Н	-4.856838	-0.515810	1.391659	Н	-3.7055	2.934746	-1.576726
н	-5.484675	-0.911040	-0.218853	н	-4.0346	3.689892	-0.003104
С	-4.196390	2.749275	-0.478448	н	-5.7033	1.675488	-1.598233
Ċ	-5.639831	2,192058	-0.610846	н	-6.2642	39 3.011972	-0.581106
н	-3 78/1286	2 987970	-1 / 807/7	н	-5 6808	1 678798	1 / 81712
ц	-1 170101	3 605006	0.004576	н	-6 8813		0 477885
и П	-4.170494 E 772661	1 725790	1 610076	н Ц	2 2706	20 1 01EC17	1 226570
	-3.773001	1.725769	-1.010970	11	-3.2790	0.124756	1.230070
н	-6.3/1148	3.025172	-0.56/328	N	-0.2590	0.134756	-2.2/4433
н	-5.869293	1.61/8/0	1.466985	C	-0.1032	-1.029548	-2.942786
н	-7.025110	0.825148	0.385091	C	0.0952	-1.084176	-4.327592
Н	-3.45645	1.766039	1.311364	C	0.1377	0.114136	-5.055929
				C	-0.0260	1.322420	-4.361870
				C	-0.2260	05 1.291029	-2.976826
				Н	-0.0074	07 2.290027	-4.884395
				н	-0.3915	2.208886	-2.392163
				н	-0.1478	-1.950255	-2.340430
				н	0.2902	0.105873	-6.145810
					-		-

S1 10 3 trans_Ovelobevylepediamide_substituted nickel(II) dipyridylmethane B

Н

Н

Н

Н

Н

0.209444

1.055948

2.795094

3.705716

1.263185

-2.060139

-5.221521

-3.400451

3.818689

4.604096

-4.821698

0.288368

0.423324

0.443765

0.451265

C				с	(pv)		
C	-2.217922	1.329398	0.103174	C	2	, -2.213383	-1.356231	-0.772545
Ċ	-2.990032	2.504957	-0.018356	C	_	-2.983947	-2.539215	-0.759346
Ċ	-2 356857	3 745440	-0 163095	- C		-2 334289	-3 783489	-0 719936
ĉ	-0.953075	3 805221	-0 169583		-	-0.928712	-3 840689	-0 703818
ĉ	-0 237414	2 615703	-0.046131		-	-0 216507	-2 637297	-0.669021
c	-2 940980	0.000057	0.424396		-	-2 923511	0.000099	-1 069856
c	-2 217940	-1 329357	0 103378		-	-2 213420	1 356412	-0 772357
N	-0 870491	1 408165	0.078937	C N	1	-0.872683	-1 441820	-0 691478
N	-0.870517	-1 /08137	0.078908	N	• .1	-0 872727	1 1/1008	-0 601232
C	-0.870317	-2 50/032	-0.017842		-	-0.872727	2 520288	-0.759024
c	-2.330084	-2.304932	-0.162427		-	-2.384007	2.3333588	-0.739024
c	0.052165	2 205212	0.160277		-	-2.334338	2 010072	0.713373
c	0.333103	-3.803218 3.61E60E	-0.109377		_	-0.928782	3.040073 3.63747E	-0.703178
c	2 211076	-2.013093	1 040160		_	-0.210371	2.037473	2 E02100
0	-3.211970	0.000202	0.19640209		<u>,</u>	-3.199410	0.000183	-2.393190
c	-4.252025	-0.000005	-0.160496		,	-4.210075	0.000056	-0.450509
c	1.270190	2.500011	-0.049920			1.320302	-2.560065	-0.041605
	1.2/8128	-2.500010	-0.050250		-	1.320230	2.580259	-0.041511
	1.009895	1.255138	0.036232	N C	2	1./318/0	-1.289589	-0.4/1184
0	1.974059	3.578823	-0.132092		ן י	1.988955	-3.612973	-0.786175
N	1.669865	-1.255164	0.036080	N	4	1./31//8	1.289694	-0.4/1329
0	1.9/39/5	-3.5/8828	-0.132624	Ľ	,	1.988884	3.613190	-0.785464
н	-3.791395	0.901558	2.226524	H	1	-0.362976	4.783911	-0.714124
н	-2.254430	0.000236	2.503863	H	1	-3.779344	-0.900729	-2.8/243/
N	0.335225	-0.000002	0.108199	H	1	-2.244133	0.000220	-3.152420
C	-4.249703	-0.000103	-1.610394	N		0.333937	0.000040	-0.16/188
н	-3.791416	-0.901093	2.226682	N	4	-0.059241	-0.000291	1.841/74
н	-4.084857	2.418811	0.014324	C	-	-0.087894	-1.161030	2.534573
н	-4.084900	-2.418/53	0.014958	Ĺ	-	-0.148567	-1.205318	3.932238
н	-5.315213	-0.000878	-1.909367	C	-	-0.1/8429	-0.000559	4.650425
н	-3.757244	-0.901868	-2.038514	C	-	-0.148884	1.204340	3.932457
н	-3.758524	0.902305	-2.038631	C	2	-0.088212	1.160315	2.534783
С	2.965408	0.716127	0.005324	H	1	-0.166037	2.177420	4.444704
С	2.965391	-0.716178	0.005214	C	2	-4.215627	-0.000163	0.963443
н	-2.957420	4.662405	-0.261507	H	1	-3.779349	0.901123	-2.872355
Н	-0.381047	4.739425	-0.268030	H	1	-5.276057	-0.000009	1.281229
Н	-2.957537	-4.662359	-0.261195	H	1	-3.716141	0.902105	1.385101
Н	-0.381162	-4.739424	-0.267960	H	1	-3.716468	-0.902735	1.384834
С	4.179791	1.425763	-0.033276	H	1	-0.054812	-2.087027	1.938944
С	4.179756	-1.425840	-0.033491	H	1	-0.165470	-2.178497	4.444305
С	5.385407	-0.703131	-0.068073	H	1	-0.219720	-0.000663	5.750126
С	5.385424	0.703030	-0.067967	C	2	3.000841	-0.727555	-0.506095
Н	4.155435	2.523069	-0.039134	C	2	3.000802	0.727745	-0.506111
Н	6.339989	1.250722	-0.096774	H	1	-0.362884	-4.783714	-0.714988
Н	6.339958	-1.250843	-0.096965	H	1	-4.080099	-2.467618	-0.805591
Н	4.155370	-2.523144	-0.039519	H	1	-2.928167	-4.710445	-0.717319
				H	1	-4.080151	2.467776	-0.805343
				H	ł	-2.928240	4.710610	-0.716565
				H	ł	-0.055389	2.086436	1.939328
				C	2	4.227895	-1.423785	-0.571604
				C	2	5.430268	-0.704810	-0.630166
				C	2	5.430230	0.705124	-0.630159
				C	2	4.227817	1.424037	-0.571605

S1.10.4	Phenylenediamido-substituted nickel(II) dipyridylmethane C
	······································

4.204862

6.385000

6.385071

4.204748

H H

н

н

-2.522012

-1.251062

1.251433

2.522263

-0.587198

-0.681879

-0.681885

-0.587191

<u>эт</u> .	10.5 4,5-0	nuorophenyi	eneulamiuu-	substituted meker	(ii) dipyridyi		
D				D(p	by)		
С	2.653119	-1.330053	0.099821	C	-8.532559	-5.643166	-0.738748
С	3.424956	-2.505624	-0.024593	С	-9.304509	-6.823967	-0.680443
С	2.791353	-3.746442	-0.164333	С	-8.653324	-8.066030	-0.608288
С	1.387620	-3.807270	-0.163704	С	-7.247636	-8.126298	-0.625445
C	0.672047	-2.617889	-0.038018	C	-6.533149	-6.925160	-0.654474
C	3.378120	-0.000048	0.415406	C	-9.222752	-4.290702	-1.102531
Ċ	2.653136	1.329996	0.099939	C	-8.535777	-2.930178	-0.763850
N	1.305956	-1.409884	0.082559	N	-7.190322	-5.731487	-0.683878
N	1 305975	1 409842	0.082615	N	-7 193736	-2 837723	-0 711812
Ċ	3 / 2/ 995	2 505565	-0.02/1366	C C	-9 310/63	-1 7503/2	-0 726467
c	2 791/1/	3 7/6396	-0.16/076	C	-8 662118	-0 505626	-0 678221
c	1 207601	2 907241	-0.104070	C C	7 256601	-0.303020	0.078221
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c	0.072087	2.01/803	-0.037933	C	-0.539320	-1.042199	-0.705327
C	3.660334	-0.000121	1.937360	C	-9.363862	-4.304971	-2.644473
0	4.664683	-0.000001	-0.204976	0	-10.567329	-4.28/661	-0.612449
C	-0.843034	-2.561902	-0.035148	C	-4.996366	-6.870547	-0.726283
C	-0.842995	2.561874	-0.035379	C	-5.002465	-1.694684	-0.///203
N	-1.231482	-1.255642	0.052147	N	-4.5/655/	-5.5/2956	-0.664565
0	-1.545947	-3.575311	-0.114745	0	-4.332607	-7.907390	-0.856884
Ν	-1.231463	1.255628	0.052035	N	-4.579640	-2.989870	-0.690497
0	-1.545896	3.575329	-0.114495	0	-4.341124	-0.659060	-0.928160
Н	4.242027	-0.901344	2.211191	Н	-6.697140	0.504224	-0.715903
Н	2.707310	-0.000126	2.500658	Н	-9.916068	-5.210341	-2.962891
Ni	0.102571	-0.000014	0.117812	Н	-8.362862	-4.307498	-3.116607
С	4.671340	0.000143	-1.629172	Ni	-5.953879	-4.279139	-0.282800
Н	4.242065	0.901053	2.211271	N	-6.070022	-4.259287	1.748738
Н	4.519920	-2.419264	0.001873	C	-4.890208	-4.247992	2.411422
Н	4.519956	2.419187	0.002135	C	-4.815593	-4.233529	3.808640
Н	5.734615	0.000644	-1.935793	C	-6.002786	-4.230624	4.556491
Н	4.176089	0.902129	-2.053543	C	-7.224980	-4.242497	3.868203
н	4.176886	-0.902194	-2.053725	С	-7.212119	-4.256741	2.468401
С	-2.523578	-0.715859	0.024413	Н	-8.184884	-4.240925	4.405296
С	-2.523568	0.715864	0.024362	С	-10.720983	-4.275367	0.796100
н	3.391735	-4.663245	-0.265002	Н	-9.919065	-3.407269	-2.978973
н	0.816589	-4.742464	-0.258378	Н	-11.809782	-4.273059	0.996712
н	3.391812	4.663198	-0.264664	Н	-10.275819	-3.366475	1.262922
н	0.816666	4.742440	-0.258221	Н	-10.276814	-5.176544	1.278583
С	-3.736839	-1.428105	-0.013180	С	-3.318505	-5.010328	-0.795331
С	-3.736817	1.428126	-0.013309	С	-3.320259	-3.552030	-0.810199
c	-4.934033	0.705021	-0.046404	н	-6.685890	-9.071729	-0.624713
Ċ	-4.934044	-0.704984	-0.046335	н	-10.400785	-6.756461	-0.726599
н	-3 739843	-2 525216	-0.021072	н	-9 247360	-8 991791	-0 563687
F	-6 112144	-1 352397	-0.080618	н	-10 406610	-1 821266	-0 770434
F	-6 112123	1 352449	-0.080750	н	-9 258305	0 419406	-0.650292
н	-3 739804	2 525236	-0.021322	н	-8 150/9/	-4 266644	1 893268
	5.755004	2.525250	0.021322	C C	-2 096960	-5 708/27	-0 93193/
				C	-0.011/157	-// 087050	-0.931934
					-0.911437	-4.307330	-1.079193
					2 100412	-3.3/433/ 2 0F2022	-1.095601
				L	-2.100412	-2.0005222	-0.301731
				н	-2.091981		-0.934408
				H F	-2.098079	-1./20091	-0.986319
				F	0.259888	-2.931589	-1.239486

S1.10.5	4,5-Difluorophenylenediamido-substituted nickel(II) dipyridylmethane D	
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F

н

0.263160 -5.630782

-4.250709

-4.224655

-4.219300

-3.981500

H -3.830609

Н -5.975747

-1.211552

1.787979

4.297522

5.656549

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C	1,759376	-1.311018	0.132850	с.	1.980500	1.346081	-0.485212
c	2.563151	-2.464108	0.025705	C	2.771545	2.505706	-0.326092
ĉ	1 982170	-3 711916	-0 229029	c	2 167961	3 769206	-0 378125
C	0.588715	-3.787819	-0.343521	C	0.785584	3.858506	-0.594648
C	-0.154890	-2.616848	-0.204192	C	0.051126	2.671820	-0.699128
ĉ	2 444326	0.000131	0 549271	c	2 725210	-0.000944	-0.668503
ĉ	1 759297	1 311163	0 132568	ĉ	1 979325	-1 347393	-0 485767
N	0.412520	-1.394895	0.014227	N	0.645413	1.450318	-0.634327
N	0.412385	1.394998	0.014367	N	0.644154	-1.450470	-0.635078
C	2.562995	2.464258	0.025020	c	2.769388	-2.507725	-0.326964
C	1.981882	3.712052	-0.229505	C	2.164753	-3.770709	-0.379368
C	0.588379	3,787939	-0.343371	c	0.782295	-3.858785	-0.595860
C	-0.155134	2.616929	-0.203833	C	0.048845	-2.671450	-0.700054
c	2.527973	0.000348	2.093649	c	3.245654	-0.000877	-2.126940
0	3.803349	0.000105	0.099631	0	3.904270	-0.001619	0.146836
C	-1.651897	-2.625820	-0.242033	C	-1.461612	2,704071	-0.882973
c	-1.652149	2.625795	-0.241673	c	-1.463960	-2.702410	-0.883699
N	-2.144921	-1.376098	-0.031530	N	-1.995966	1.463802	-0.807184
0	-2.296527	-3.671461	-0.411137	0	-2.035649	3.793069	-1.067354
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0	-2.296822	3.671426	-0.410658	0	-2.038887	-3.790883	-1.068454
H	0.029672	4.718256	-0.522548	Ĥ	0.231376	-4.806540	-0.682960
Н	3.068563	-0.901640	2.439789	Н	3.863123	0.900132	-2.307337
Н	1.508428	0.000506	2.525144	Н	2.394943	-0.000371	-2.835099
Ni	-0.878955	-0.000015	0.041820	Ni	-0.762158	0.000512	-0.404985
С	4.008968	-0.000161	-1.309742	N	-0.759882	-0.000346	1.637439
Н	3.068736	0.902329	2.439534	С	-0.839346	1.160725	2.324922
н	5.105295	0.000026	-1.462030	С	-0.993248	1.204019	3.715847
н	3.580277	0.901043	-1.801718	С	-1.072176	-0.000720	4.429940
н	3.580647	-0.901753	-1.801326	С	-0.994055	-1.205264	3.715449
С	-3.592936	-1.260999	0.016783	С	-0.840123	-1.161573	2.324531
С	-3.593039	1.260344	0.015799	Н	-1.056461	-2.178745	4.223370
н	0.030103	-4.718147	-0.522947	С	3.675782	-0.001771	1.548396
н	3.647176	-2.353621	0.162892	Н	3.862319	-0.902371	-2.307660
н	2.610935	-4.610265	-0.321688	Н	4.671994	-0.002190	2.031247
н	3.647075	2.353811	0.161780	Н	3.115860	-0.904288	1.884831
Н	2.610602	4.610401	-0.322481	н	3.116486	0.901031	1.885100
С	-4.045540	-0.000071	0.739672	Н	-0.786157	2.085479	1.730547
Н	-3.996236	-2.172616	0.508758	Н	-1.055001	2.177347	4.224147
н	-4.015772	-1.267372	-1.017484	Н	-1.197341	-0.000845	5.523358
н	-3.653591	0.000415	1.780405	С	-3.429949	1.302605	-0.945417
н	-5.153427	-0.000145	0.807574	С	-3.431105	-1.299221	-0.945320
н	-4.015143	1.265458	-1.018783	Н	0.235501	4.806763	-0.681557
Н	-3.997006	2.172296	0.506577	Н	3.856295	2.394673	-0.189049
				н	2.779622	4.677525	-0.263417
				Н	3.854228	-2.397652	-0.189868
				Н	2.775671	-4.679568	-0.264972
				Н	-0.787650	-2.086144	1.729806
				С	-3.812191	0.001837	-1.668229
				Н	-3.846539	2.184174	-1.482202
				Н	-3.913605	1.308488	0.063846
				Н	-3.351537	0.001587	-2.680363
				Н	-4.913608	0.002336	-1.818232
				Н	-3.914610	-1.304474	0.064019
				Н	-3.848628	-2.180446	-1.481945

F				F(py)			
С	1.699675	-1.316146	0.032042	С	1.859447	-1.355269	0.098480
С	2.496249	-2.443571	-0.247428	С	2.641626	-2.493746	-0.188140
С	1.906545	-3.626202	-0.714529	С	2.010092	-3.731229	-0.381684
С	0.514407	-3.676452	-0.844370	С	0.618691	-3.819713	-0.252979
С	-0.225232	-2.541381	-0.506495	С -	-0.100663	-2.648451	0.023881
С	2.359325	-0.073132	0.645162	С	2.572208	-0.057253	0.538188
С	1.704983	1.267453	0.281280	С	1.865836	1.302989	0.316362
Ν	0.354401	-1.376672	-0.103668	Ν	0.517381	-1.452036	0.172562
Ν	0.379395	1.351518	0.016929	Ν	0.523112	1.403492	0.234212
С	2.501294	2.427674	0.322068	С	2.667871	2.463428	0.348909
С	1.939638	3.678789	0.032466	С	2.059578	3.725812	0.312285
С	0.578605	3.745570	-0.279120	С	0.664137	3.809597	0.260833
С	-0.169533	2.564416	-0.256403	С -	-0.077395	2.619568	0.222574
С	2.306027	-0.229109	2.181663	С	2.801137	-0.191813	2.062551
0	3.750803	-0.044086	0.317650	0	3.888379	-0.010408	-0.028651
Ċ	-1.718810	-2.572730	-0.432377	C ·	-1.602941	-2.704039	0.232568
Ċ	-1.643110	2.587398	-0.495450	C ·	-1.593264	2.686360	0.176707
N	-2.201949	-1.369593	0.038611	N ·	-2.167075	-1.463239	0.399205
0	-2.338784	-3.606523	-0.704584	0 -	2.129411	-3.830913	0.244471
N	-2.233071	1.371890	-0.200809	N ·	2.191122	1.451830	0.176390
0	-2.162304	3.653300	-0.859827	0 -	2.101476	3.822522	0.168097
н	0.044132	4 673786	-0 526438	ч Н	0 104666	4 755490	0 250902
н	2 820594	-1 163121	2 479317	н	3 374700	-1 115461	2 272186
н	1 252674	-0 269864	2 519729	н	1 829135	-0 243300	2 589260
Ni	-0.935864	-0.003087	0.014534	Ni -	-0.896653	-0 017443	-0.024839
C	4 094780	0 126723	-1.055169	C	3 962035	0 145648	-1 437209
н	2 809720	0.631695	2 662205	ч	3 370157	0.140040	2 437397
н	5 197013	0.0010553	-1 107993	н	5.037365	0 131353	-1 700159
н	3 796639	1 123383	-1 //856/	н	3 529369	1 113799	-1 779317
н	3 644159	-0 652478	-1 708616	н	3 454426	-0 681779	-1 983783
Ċ	-3 525988	-1 2/6081	0/82329	C .	2 521810	-1 286080	0.681821
c	-3.525588	1 2/2/00	-0.002455	C ···	2 582220	1 277388	0.001021
ц	-0.045789	-4 566790	-0.092455	с.	0.052776	-1 757388	-0 345009
н	3 57779/	-2 373597	-0.072//9	н	2 725282	-2 397853	-0 221871
н	2 520087	-4 501838	-0 9/9883	Ц	2 610126	-4 625850	-0 609257
н	2.550087	2 221172	0.5849883	Ц	2.010120	2 35/230	0.009257
н	2 561727	2.521175 1 586101	0.054335	Ц	2 676855	4 637120	0.419097
Ċ	-1 23/8/2	0.0021/13	0.004000	C .	A 205244	-0.007201	0.337003
c	-1 102616	2 226117	-0 351031	C .	A 111200	2 262551	-0 250342
c	-4.492010	2.330117	-0.331031	C ···	5 815703	2.303331	-0.230342
c	-5.874070	1 158688	0.075454	C ···	6 / 21 8 2 /	1 135878	0.220424
c	-0.443103 5 645242	0.001174	0.479303	C ···	5 659167	0.000264	0.220481
Ċ	-3.043242 6 256915	1 161762	1 250602	C ·	6 260471	1 152621	1.045250
c	-0.230813	-1.101703	1.230092	C ·	5 672518	-1.133031	1 300426
Ċ	-3.320088	2.318308	1.441800	C ·	1 202056	-2.301022	1.390420
с ц	-4.172077	-2.303091	1.041771	С ·	2 752006	-2.370170	1.100904
н Ц	-3.020083 5.086078	2 216900	1.124927	н ·	6 205000	2 100077	1.373784
н ц	-3.380078	-3.210809	1 510529	н ·	7 456120	-3.100077	1.780393
	-7.323020	-1.118110	1.510528			-1.093292	1.134810
п u	-1.212280	1.121582	0./39280	H ·	-1.52/U51	1.U/222U	0.314442
п 	-0.480390	2.1/0/19	-0.288/03	н .	2 022420	3.1/2023	-0.309/90
п	-4.053172	3.2332/9	-0.750323		0 024112	3.309559	-0.503/79
				N ·	0.924112	-0.079049	-2.001422
					0.15//43	0.140760	-2.83/193
				Ĺ	0.090523	120051.0	-4.2335/5

S1.10.7	1,8-Naphthalenediamido-substituted nickel	(II)	dipy	ridylm	ethane F
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С

С

С

Н

Н

Н

н

Н

-1.137444

-2.261084

-2.115602

-2.972493

-3.252155

-1.221735

1.007945

1.105345

-0.104524

-0.330998

-0.310678

-0.480542

-0.522993

-0.114364

0.322402

0.329151

-4.857469

-4.049643

-2.657394 -1.987461

-4.485372

-5.954739

-4.822455

-2.309622

	•						
G				G(p	y)		
С	-0.683501	1.033195	0.560844	С	-1.211560	1.786368	0.146497
С	0.475393	1.825051	0.429866	С	-2.305203	2.525768	0.649352
С	1.726863	1.224248	0.246844	С	-3.612954	2.094808	0.393436
С	1.802320	-0.175216	0.221855	С	-3.808569	0.937312	-0.370401
С	0.626417	-0.906600	0.366868	С	-2.682962	0.227585	-0.802422
С	-2.002816	1.744398	0.915655	С	0.184160	2.448208	0.246324
С	-3.322145	1.032959	0.561388	С	1.473731	1.604112	0.100107
Ν	-0.597165	-0.317645	0.520272	Ν	-1.415875	0.640918	-0.535041
Ν	-3.408308	-0.317915	0.521336	N	1.496423	0.424057	-0.552002
С	-4.481206	1.824598	0.430647	С	2.675060	2.202624	0.541683
С	-5.732689	1.223541	0.248508	С	3.902464	1.589660	0.261601
С	-5.807970	-0.175940	0.224151	С	3.911738	0.392306	-0.465083
С	-4.631881	-0.907102	0.368804	С	2.686188	-0.166831	-0.842536
С	-2.002564	1.950699	2.449214	С	0.232861	3.499171	-0.890023
0	-2.003032	3.062509	0.358827	0	0.257605	3.208860	1.460334
С	0.610039	-2.416541	0.383558	С	-2.844759	-1.068380	-1.592404
С	-4.615188	-2.417040	0.385389	С	2.645992	-1.490455	-1.601384
Ν	-0.664336	-2.844008	0.540046	Ν	-1.656927	-1.672180	-1.785906
0	1.641313	-3.089531	0.273702	0	-3.981728	-1.426933	-1.946639
Ν	-3.340637	-2.844264	0.541104	Ν	1.380449	-1.916044	-1.773311
0	-5.646509	-3.090219	0.277116	0	3.713608	-2.019471	-1.957773
н	2.737457	-0.741971	0.100751	н	4.824076	-0.147040	-0.759068
н	-6.743080	-0.742874	0.103686	н	-0.621148	4.197285	-0.795257
н	-1.100733	2.517177	2.751654	н	0.177820	2.996771	-1.874792
н	-2.002395	0.969372	2.961708	Ni	-0.066849	-0.869821	-0.953659
Ni	-2.002589	-1.578439	0.579821	Ν	-0.129972	-1.720810	0.904356
С	-2.003309	3.145885	-1.062832	С	-1.312376	-2.035280	1.478169
н	-2.904381	2.517034	2.751962	С	-1.400222	-2.750183	2.678883
н	0.367178	2.916552	0.489948	С	-0.219757	-3.163568	3.313437
н	2.629791	1.843852	0.138427	С	1.006739	-2.840758	2.714652
н	-4.373133	2.916137	0.490291	С	1.007700	-2.122701	1.512712
н	-6.635746	1.842980	0.140220	н	1.963050	-3.144826	3.164670
н	-2.002746	4.224541	-1.310759	С	0.236179	2.447027	2.659044
Н	-2.905309	2.675820	-1.514320	н	1.176833	4.074791	-0.832900
н	-1.102064	2.674786	-1.514741	н	0.287942	3.171121	3.494832
Н	-0.770721	-3.864829	0.547428	Н	1.104557	1.753249	2.733710
Н	-3.234088	-3.865069	0.548442	Н	-0.697727	1.848523	2.762145
				Н	-2.217372	-1.709468	0.944389
				Н	-2.389451	-2.981118	3.100309

S1.10.8	Bis(amido)-substituted	nickel(II) dip	yridv	ylmethane	G
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Н

Н

Н

Н

Н

H H

н

н

-0.2551660

-4.794644

-2.106624

-4.469471

2.622040

4.842184

1.950242

1.347008

-1.760592

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2.670564

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2.054420

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-2.820295

-2.561393

4.255438

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1.082752

0.598256

1.007494

-2.260406

-2.290489

S1.	10.9 Bis(n	nethylamido)-s	substituted n	ickel(II) dipyridylm	nethane H		
н				H(p	y)		
С	-0.709658	0.995739	0.720061	C	-1.183067	1.742559	0.243037
С	0.453459	1.787890	0.805609	С	-2.254257	2.457515	0.822513
С	1.720131	1.200208	0.708583	С	-3.564916	1.988472	0.668228
С	1.800719	-0.185465	0.521273	С	-3.785148	0.829076	-0.084537
С	0.616719	-0.917823	0.446692	С	-2.674533	0.153176	-0.605565
С	-2.059190	1.709228	0.915229	С	0.193822	2.438608	0.207047
С	-3.317334	0.967787	0.438703	С	1.485035	1.606151	0.027787
Ν	-0.618049	-0.344437	0.547270	Ν	-1.403741	0.590913	-0.421358
Ν	-3.398297	-0.378904	0.551237	Ν	1.491237	0.364263	-0.500927
С	-4.449781	1.721958	0.074545	С	2.695794	2.270551	0.325507
С	-5.671572	1.082926	-0.176031	С	3.919105	1.657144	0.032040
С	-5.752011	-0.305773	-0.007735	С	3.911933	0.388214	-0.556184
С	-4.600018	-0.998310	0.363062	С	2.678460	-0.232633	-0.792063
С	-2.243863	1.962069	2.430251	С	0.134634	3.416337	-0.992418
0	-2.003844	3.010942	0.324432	0	0.333661	3.277844	1.362469
С	0.616263	-2.393304	0.178244	С	-2.867155	-1.102326	-1.432430
С	-4.609031	-2.463052	0.696817	С	2.654641	-1.642220	-1.345694
Ν	-0.653679	-2.880116	0.166796	Ν	-1.694348	-1.701423	-1.747849
0	1.664545	-3.010413	-0.061601	0	-4.024801	-1.448591	-1.740443
Ν	-3.350882	-2.890273	0.983879	Ν	1.405296	-2.151400	-1.428739
0	-5.661848	-3.112258	0.771482	0	3.734664	-2.201739	-1.620931
н	2.742881	-0.743708	0.418844	Н	4.815166	-0.172165	-0.837558
н	-6.675872	-0.889757	-0.131060	Н	-0.725371	4.103399	-0.873731
н	-1.383909	2.536424	2.825342	Н	0.014912	2.851796	-1.936927
н	-2.315097	0.998620	2.970579	Ni	-0.081166	-0.960170	-0.830288
Ni	-1.997880	-1.643595	0.609058	Ν	-0.217416	-1.758599	1.048882
С	-1.781704	3.057675	-1.081253	С	-1.386192	-2.260957	1.505671
н	-3.172772	2.540418	2.598433	С	-1.490254	-2.931492	2.730998
н	0.332880	2.871284	0.944495	С	-0.341513	-3.094043	3.518292
н	2.627587	1.819074	0.775446	С	0.871723	-2.576184	3.041668
н	-4.353760	2.814904	0.024475	С	0.891391	-1.920574	1.805026
н	-6.554138	1.670205	-0.471372	Н	1.804675	-2.680737	3.614563
н	-1.842250	4.124435	-1.369953	С	0.434221	2.598137	2.605543
н	-2.549636	2.488296	-1.651230	Н	1.066853	4.011095	-1.044177
н	-0.778163	2.668251	-1.363070	Н	0.503793	3.378889	3.387354
С	-0.806213	-4.242513	-0.316808	Н	1.342187	1.955274	2.663108
Н	-0.009228	-4.460624	-1.057655	Н	-0.456855	1.962836	2.813506
Н	-1.797058	-4.368420	-0.790524	Н	-2.262781	-2.127256	0.854352
Н	-0.705884	-5.000841	0.490436	Н	-2.466566	-3.322910	3.051959
С	-3.240293	-4.209795	1.580405	Н	-0.389322	-3.619545	4.484140
н	-3.349959	-5.032166	0.839635	Н	-4.778763	0.410417	-0.299691
н	-4.050784	-4.350437	2.327074	Н	-2.039420	3.392216	1.358222
н	-2.261488	-4.315010	2.082317	Н	-4.406189	2.540468	1.115421
				Н	2.650638	3.272864	0.773243
				Н	4.865803	2.173304	0.255048
				Н	1.827837	-1.515344	1.394060
				C	-1.807695	-2.886422	-2.576953
				Н	-0.976599	-2.930141	-3.307623
				Н	-2.778815	-2.890101	-3.114950
				Н	-1.766802	-3.824177	-1.975314

С

н

H H 1.334084 -3.553888

2.284049

1.170917 -3.698060

0.488945 -4.043691

-4.072641

-1.789623

-2.882037

-1.265622

-1.538078

I.				l(py	()		
С	1.309311	1.290176	0.256508	С	-1.284342	4.181717	1.405744
С	2.451849	2.108277	0.302732	С	-2.283639	5.005427	1.960461
С	3.728457	1.530242	0.202154	С	-3.633203	4.642085	1.808699
С	3.839529	0.15123	0.062145	С	-3.957083	3.487958	1.104215
С	2.667819	-0.637298	0.029548	С	-2.914074	2.679479	0.586149
С	-0.046016	1.991256	0.467451	С	0.146989	4.772040	1.381055
С	-1.317732	1.269237	-0.012172	С	1.395594	3.869765	1.215952
Ν	1.410049	-0.052519	0.128219	N	-1.593238	3.036206	0.765839
Ν	-1.412929	-0.076666	0.070514	Ν	1.343730	2.669150	0.602975
С	-2.432695	2.059664	-0.339898	С	2.623661	4.452713	1.585610
С	-3.670524	1.443193	-0.592748	С	3.821460	3.785165	1.276930
С	-3.783245	0.061952	-0.469011	С	3.773429	2.569087	0.605467
C	-2.644257	-0.694129	-0.114157	C	2.512468	2.010476	0.276217
C	-0.219263	2.211962	1.989240	C	0.170669	5.746626	0.176819
0	0.004799	3.305619	-0.095419	0	0.326950	5.606006	2.535008
Ċ	2.626606	-2.054346	-0.125805	C	-3.135251	1.451904	-0.129877
Ċ	-2.613790	-2.099343	0.139204	C	2.353131	0.741373	-0.381138
N	1.354351	-2.599804	-0.107848	N	-2.021894	0.723091	-0.508505
C	3 574767	-3 059859	-0 421007	C C	-4 316442	0 796142	-0 561121
N	-1 359478	-2 593166	0 454996	N	1 064759	0 279971	-0 582845
C	-3 583270	-3 112680	0 312182	C C	3 290676	-0 203640	-0 871431
н	1 815831	-0 3/6202	-0.017882	е н	1 689/33	2 028261	0.330/96
н	-4 737012	-0.458458	-0.632239	н	-0 647170	6 485925	0.330430
н	0.642971	2 781269	2 386259	н	0.034124	5 184059	-0 766526
н	-0 279564	1 236062	2.500255	Ni	-0 321034	1 468721	0.246016
Ni	0.003532	-1 3/1520/	0 189272	N	-0.366687	0 522380	2 057895
C	0.003332	3 382806	-1 503260	N C	0 772829	0.022380	2.037893
ц	-1 150357	2 780360	2 177528	C	0.772829	-0.661025	2,004303
н	2 215002	2.700000	0 421218	C C	-0 /25150	-0 887879	1 183082
и Ц	2.313333	2 162645	0.421218	C	1 607060	-0.887879	2 007440
и Ц	4.027754 2.217756	2.103043	0.257005	C	1 526221	0.400291	2 605040
и Ц	-2.317730	2 052474	-0.337441	C	-1.330321	1 0290301	2.093040
п	-4.545912	2.052474	-0.004401		0.547456	4.920214	5.762005
и Ц	0.147939	2 025202	2 070270	ы Ц	0.402006	5 702047	4 560257
	-0.365172	2.055595	-2.070570	п	1 1 9 2 9 0 0	3.705047	4.500257
п С	1.190052	2.989310	-1.810437		1.183280	4.195035	3.848945
c	1.4/2/10	-3.919000	-0.411015	п	-0.007974	4.595045	2.200101
c	2.034130	-4.245199	-0.005541	п	1.099108	1 020204	2.050955
c	-1.313920	-3.884700	0.843037	н Ц	1.741313 E 001E29	2 194055	4.214240
	-2.877983	-4.240352	0.766774		-5.001528	5.184955	0.947283
п	-4.004056	-5.020004	1 024254	п	-1.990950	5.955004	2.407104
	-5.296124	-3.225552	1.054254	п	-4.420707	5.277625	2.251505
н	-0.665695	-4.485500	1.190961	н	2.622553	5.432430	2.079919
н	0.596216	-4.568590	-0.504541	H	4.789290	4.231/16	1.553052
н	4.659793	-2.931/9/	-0.514444	L	-3.889129	-0.370304	-1.22/248
н	3.224581	-5.23/164	-0.860399	H	-5.349413	1.140235	-0.426180
				L	-2.4/6464	-0.374106	-1.162618
				н	-1.784001	-1.120675	-1.5/1415
				H	-4.519929	-1.124946	-1./13232
				C	2.529335	-1.2/3135	-1.383318
				H	4.383895	-0.11185/	-0.86/861
				C	1.1/1772	-0.934331	-1.175087
				H	0.282319	-1.526149	-1.425598
				Н	2.905953	-2.188240	-1.856931

H -0.448381 -1.441716 5.434037

0.676682

4.383737

2.199932

H -2.585508 -0.559125

H -2.443660

S1.10.11	Bis(pyrazolato)-substituted nickel(dipyridylmethane J
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J				J	(py)			
С	1.318715	1.282243	0.171392	C	2	-1.298908	4.200028	1.400295
С	2.459723	2.105067	0.113159	C	2	-2.299175	5.040757	1.931292
С	3.727336	1.529783	-0.052014	C	2	-3.646071	4.667369	1.807704
С	3.834986	0.142938	-0.137190	C	2	-3.970065	3.483072	1.149634
С	2.668505	-0.641778	-0.052747	C	2	-2.929111	2.668665	0.649680
С	-0.020258	1.980357	0.471896	C	2	0.135983	4.785181	1.362025
С	-1.321674	1.273375	0.052070	C	2	1.381232	3.867537	1.260833
Ν	1.416991	-0.063544	0.091146	Ν	N	-1.609635	3.034026	0.800318
Ν	-1.420680	-0.074246	0.082205	Ν	N	1.335169	2.662644	0.658457
С	-2.448319	2.084092	-0.182264	C	2	2.605680	4.435680	1.670133
Ċ	-3.699556	1.490521	-0.402950	Ċ	2	3.800508	3.741947	1.425723
Ċ	-3.811661	0.102299	-0.347761	- C	2	3.756518	2.514926	0.767830
Ċ	-2.661868	-0.667791	-0.086041	Ċ	2	2.503190	1,984691	0.387488
c	-0.097262	2 169312	2 005963	C	-	0 182687	5 699578	0 113297
õ	0.001094	3 305351	-0.068769		้า	0 304903	5 673313	2 477408
c	2 629518	-2 072701	-0.095458		-	-3 152351	1 417041	-0 033499
c	-2 631190	-2 091725	0.071096		-	2 344364	0 721448	-0 292286
N	1 372630	-2 618392	0.042296	C N	N N	-2 043856	0.699063	-0 409570
Ċ	3 5/3970	-3 131889	-0 261922	C C	-	-// 300968	0.695005	-0 /10099
N	-1 379503	-2 612321	0.201922	C N	М	1 062/178	0.302959	-0 551013
Ċ	-3 559152	-3 1/19697	0.313043	C C	~	3 235557	-0.268003	-0 765381
ц	1 805836	-0.356963	-0.256023	L	-	1 671328	1 051215	0.538630
н	4.803830	-0.330303	-0.230323	۱ ۲		-0.632370	6 446905	0.338030
н	0 786635	2 72/770	2 258/52	۱ ۲		0.057453	5 002/13/	-0.803548
н	-0 110130	1 1 2 1 7 0 2	2.556452	I N	ui	-0 33/30/	1 463300	0.252158
Ni	0.000274	-1 370380	0 10/7/0	N		-0.305686	0.380102	1 960689
C	0.000274	2 400651	1 496097		N ~	-0.393080	0.380102	1,900089
ц	1 015906	3.409031	-1.400007		-	-0.370100	1 917244	2 001765
	-1.015690	2.720000	2.207057		~	-0.050524	-1.01/544	2.901705
	2.320997	3.190162	0.210089		-	-0.506236	-1.294101	4.1904/3
	4.023079	2.1059930	-0.104691		~	-0.31803	0.087808	4.348011
н	-2.324420	3.173904	-0.158984	L L	-	-0.269813	0.889667	3.202030
н	-4.583569	2.110184	-0.598142	F	-	-0.210794	0.546826	5.342291
н	0.041531	4.489988	-1./21489	L L	-	0.298722	5.065082	3./596/3
	-0.739985	2.888070	-2.004837	г 1	ר י	1.150258	0.224439	0.067704
Н	1.055875	3.006178	-1.876203	F	-	0.440597	5.879351	4.496443
IN C	1.413914	-3.932405	-0.032431	F	-	1.126806	4.329793	3.882140
	2./1080/	-4.270040	-0.213232	F	-	-0.666509	4.553774	3.979379
N C	-1.43/1/6	-3.906324	0.546632	F	-	-0.6/13/4	-1.308615	0.762145
C	-2.745849	-4.258226	0.451673	F	-	-0.784529	-2.893537	2.731204
н	-4.646082	-3.1126/1	0.016366	F	-	-0.549840	-1.954013	5.076493
н	-3.040481	-5.302935	0.614892	F	-	-5.013579	3.167360	1.013253
н	4.629230	-3.078597	-0.401276	F	-	-2.006864	5.988239	2.401511
н	2.996358	-5.327760	-0.302624	F	-	-4.438589	5.315014	2.213285
				F	4	2.603994	5.425367	2.144361
				F	-	4./64023	4.174002	1./37105
				F	-	-0.125072	1.979579	3.271597
				C	-	-3.760053	-0.473324	-0.996205
				Ν	N	-2.399960	-0.450053	-0.973138
				C	2	2.372034	-1.251945	-1.279502

N 1.068350

-5.355466

4.331065

-4.286900

2.626535

Н

Н

H H -0.893491

0.954151

-0.268866

-1.330208

-2.208573

-1.128155

-0.282056

-0.742304

-1.437405

-1.755456

S1.10.12 Bis	(imidazolato)-substituted	nickel(II)	dipyrid	ylmethane I	<
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К				К	(py)			
С	1.313409	1.283237	0.213745	C		1.525051	1.198916	-1.308167
С	2.462359	2.095815	0.201576	C		0.509224	2.012768	-0.766746
С	3.733255	1.515144	0.060692	C		-0.837571	1.661654	-0.964490
С	3.836879	0.131228	-0.053054	C		-1.148069	0.521656	-1.700973
С	2.659525	-0.637909	-0.017544	C		-0.088098	-0.271271	-2.192555
С	-0.030749	1.988592	0.470105	С		2.960330	1.779301	-1.272360
С	-1.317586	1.267961	0.032342	С		4.202112	0.870403	-1.446692
Ν	1.409132	-0.061623	0.107858	N	I	1.226306	0.067389	-1.977752
Ν	-1.410927	-0.079441	0.090868	Ν	I	4.149243	-0.303519	-2.108489
С	-2.447389	2.060153	-0.242413	C		5.434301	1.416339	-1.033028
С	-3.693685	1.450832	-0.464174	C		6.629093	0.745490	-1.346085
С	-3.800189	0.065004	-0.371386	C		6.578624	-0.441755	-2.071486
С	-2.643743	-0.68075	-0.080128	C		5.314613	-0.952807	-2.438786
С	-0.148614	2.210304	1.997306	C		3.023628	2.802525	-2.434403
0	0.002901	3.301585	-0.095342	0)	3.117951	2.561639	-0.081131
С	2.616942	-2.065956	-0.123508	С		-0.303085	-1.494366	-2.929861
С	-2.609312	-2.100390	0.122548	C		5.153577	-2.190016	-3.166484
Ν	1.364232	-2.627406	-0.051742	N	I	0.791028	-2.234437	-3.305186
Ν	3.604381	-2.943155	-0.357752	N	I	-1.490409	-2.023628	-3.291656
Ν	-1.369120	-2.621124	0.406283	N	I	3.881743	-2.634910	-3.430998
Ν	-3.612662	-2.986750	0.203907	N	I	6.136353	-2.996398	-3.619164
н	4.792983	-0.398663	-0.164864	Н	I	7.471388	-1.007509	-2.372174
н	-4.745480	-0.479848	-0.501329	Н	l	2.210604	3.545726	-2.325696
н	0.726810	2.781667	2.361062	Н	l	2.907024	2.281830	-3.404146
Н	-0.187800	1.235540	2.520207	N	li	2.491957	-1.492733	-2.542028
Ni	0.002983	-1.368972	0.194422	N	I	2.441726	-2.508747	-0.764087
С	0.142310	3.378184	-1.510817	C		1.272042	-2.721382	-0.122129
Н	-1.072378	2.778129	2.220040	C		1.191140	-3.458007	1.065886
Н	2.333507	3.180862	0.307192	C		2.362968	-4.000494	1.612084
Н	4.632654	2.149209	0.044795	C		3.574275	-3.785233	0.939679
н	-2.332361	3.151416	-0.244470	C		3.571406	-3.036938	-0.243781
н	-4.577735	2.067325	-0.687058	C		3.097585	1.831798	1.137195
Н	0.088893	4.453061	-1.769587	Н		3.998943	3.325775	-2.422712
Н	-0.672117	2.840462	-2.045354	Н		3.221791	2.572331	1.950810
Н	1.118359	2.974380	-1.860343	Н		3.928244	1.092271	1.198185
С	1.567942	-3.958801	-0.275219	Н		2.134421	1.293133	1.288567
С	2.953855	-4.134382	-0.453186	Н	I	0.370425	-2.297443	-0.589962
С	-1.601804	-3.932483	0.704289	Н	I	0.212466	-3.603536	1.545749
С	-2.988557	-4.139564	0.570128	Н	I	-2.176547	0.199142	-1.914860
Н	3.488063	-5.073608	-0.651366	Н	I	0.791322	2.926316	-0.227566
н	0.753092	-4.686952	-0.325467	Н	I	-1.637857	2.295299	-0.551631
Н	-0.811580	-4.619865	1.022153	Н		5.437799	2.374755	-0.497835
н	-3.544237	-5.072266	0.737744	Н	I	7.596164	1.167861	-1.031809
				C		-1.141048	-3.165956	-3.939792
				C		0.262470	-3.310362	-3.949372
				Н	I	0.886420	-4.105312	-4.376210
				Н	I	-1.892195	-3.839409	-4.376093
				C		5.459405	-4.015169	-4.211465
				C		4.068573	-3.807105	-4.096451
				Н	1	3.231914	-4.421843	-4.450745

Н

Н

н

н

5.978981 -4.853073

2.331676

4.522283

4.500020

-4.586923

-4.195006

-2.863442

-4.697322

2.542996

1.317345

-0.808802

	10.15 Dis(ti)	muonneunyip	yrazolato, sat		, apyriayiiri		
L	2 22 4 4 5 2	4 204227	0.007000	L(p	y)	6 004050	2 406604
C	2.234452	1.301337	0.097308	С	-17.034387	6.821353	2.496604
C	3.3/525/	2.123516	0.026005	С	-18.036828	7.663746	3.020817
С	4.640358	1.549880	-0.156435	С	-19.383513	7.296438	2.886918
С	4.747257	0.162600	-0.247693	C	-19.706811	6.113703	2.224050
С	3.582043	-0.619514	-0.151685	C	-18.664466	5.298982	1.733104
С	0.900108	2.000823	0.414209	C	-15.597758	7.402619	2.473637
С	-0.407215	1.291509	0.017645	C	-14.354708	6.482483	2.372845
Ν	2.333331	-0.044141	0.011605	N	-17.345735	5.656919	1.893084
Ν	-0.506823	-0.056000	0.051417	N	-14.398336	5.282727	1.759386
С	-1.538631	2.100406	-0.199612	С	-13.130943	7.043258	2.794031
С	-2.792930	1.507034	-0.397458	С	-11.936264	6.350477	2.550757
С	-2.904100	0.118233	-0.336996	С	-11.978564	5.129590	1.879647
С	-1.749704	-0.648133	-0.094761	С	-13.230171	4.608274	1.488579
С	0.845561	2.196968	1.948762	С	-15.539414	8.326621	1.231931
0	0.913161	3.321492	-0.133487	0	-15.434728	8.279882	3.596751
Ċ	3.540825	-2.052885	-0.203891	C	-18.886485	4.046222	1.045330
c	-1.714593	-2.074561	0.064682	C	-13.389338	3.350905	0.791732
N	2.285024	-2.597375	-0.049154	N	-17.777168	3.331316	0.665147
C	4 449212	-3 107863	-0 397995	C	-20 033108	3 314947	0 675034
N	-0.456922	-2 593093	0.337333	N	-14 671390	2 940708	0 519423
Ċ	-2 638506	-3 129709	0.201400	C C	-12 /08050	2.340700	0.313423
ц	5 716459	0.226910	0.135500	с ц	16 25 21 09	0.076279	1 20/170
и Ц	2 969112	-0.330810	-0.381740	н Ц	15 650112	7 728/65	0 208/02
н Ц	1 724100	-0.392332	-0.403119		16 069225	1.004715	1 228060
	1.754199	2.704050	2.205259	INI N	-10.008555	4.094715	1.556009
	0.850055	1.212975	2.455507	N	-10.150491	2.961102	3.050490
	0.917768	-1.348/18	0.136307	l	-16.311153	1.651082	2.860422
C	0.987056	3.419080	-1.553259	l	-16.370957	0.774262	3.950973
н	-0.068575	2.758861	2.220657	l	-16.239897	1.285639	5.250039
н	3.243386	3.208551	0.125897	C	-16.052105	2.666246	5.415263
н	5.535773	2.186275	-0.218386	С	-16.003/31	3.479182	4.276863
Н	-1.414446	3.190376	-0.182068	Н	-15.943806	3.115582	6.413210
Н	-3.680172	2.132016	-0.578748	C	-15.453722	7.661632	4.874880
Н	0.925634	4.497819	-1.793007	Н	-14.564376	8.849489	1.198070
Н	0.147111	2.891916	-2.057625	Н	-15.319298	8.470336	5.618829
Н	1.943958	3.017812	-1.954710	Н	-14.626904	6.925477	5.000068
Ν	2.317272	-3.907964	-0.138548	Н	-16.420959	7.148646	5.080964
С	3.615310	-4.242135	-0.345995	Н	-20.750300	5.802373	2.078108
Ν	-0.503186	-3.884391	0.516546	Н	-13.133585	8.028330	3.277899
С	-1.812197	-4.234307	0.447532	Н	-15.858507	4.568221	4.357689
Н	-3.727254	-3.108902	0.051930	С	-19.485442	2.159123	0.088236
Н	5.531126	-3.069592	-0.557699	N	-18.126677	2.184232	0.102297
С	4.015835	-5.679621	-0.509492	С	-13.368139	1.398039	-0.219345
С	-2.236585	-5.654209	0.686507	N	-14.670974	1.756759	-0.074100
F	3.690728	-6.432113	0.564779	Н	-21.090426	3.566563	0.804053
F	5.362952	-5.769843	-0.678947	н	-11.404884	2.350150	0.337726
F	3.434267	-6.252428	-1.588882	С	-20.224611	0.993561	-0.496574
F	-1.963252	-6.066573	1.947213	C	-13.002933	0.095926	-0.865715
F	-1.633514	-6.520941	-0.155305	F	-19.893686	-0.176740	0.102901
F	-3.579808	-5,773253	0.504965	F	-19.989153	0.837406	-1.820226
				F	-21.566436	1.160842	-0.342454
				, E	-13.478264	-0.008788	-2.127439
				F	-11.650222	-0.039430	-0.927824
				•		0.000 .00	0.01.01

S1.10.13 Bis(trifluormethylpyrazolato)-substituted nickel(II) dipyridylmethane L

F -13.480098

H -11.063406

H -10.974012

H -20.176620

H -17.744561

H -16.408652

H -16.519201 H -16.283123 -0.970762

4.566930

6.777484

7.946295

8.608639

1.299614

-0.299887

0.617503

-0.175555

1.649435

2.872171

3.287235

3.496390

1.818686

3.768834

6.123691

S1.10.14	Bis(q	juinolinolato)-substituted	nickel(II)	dipyrid	ylmethane N
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м				М(ру)	
С	-0.974104	1.415281	0.308790	C 12.020048 6.334468	-2.290369
С	-1.454174	0.106148	0.014054	C 11.464714 5.021228	-2.287214
С	0.389151	1.644722	0.422042	C 13.393150 6.519442	-2.329974
С	1.328831	0.585473	0.260619	C 14.270060 5.392108	-2.348911
Ν	0.898588	-0.655887	-0.004098	N 13.765839 4.156157	-2.312599
С	-0.453486	-0.902890	-0.133320	C 12.413602 3.943870	-2.289651
Ċ	-2.812792	-0.278704	-0.144414	C 10.078261 4.716910	-2.287371
Ċ	-3.113345	-1.612554	-0.438672	C 9.680335 3.376395	-2.300505
Ċ	-2.120645	-2.608509	-0.584092	C 10.603380 2.310122	-2.305143
Ĉ	-0 759407	-2 270727	-0 432323	C 12 000999 2 547203	-2 293873
н	0.783183	2.648386	0.633875	H 13.831247 7.526651	-2.360172
н	-1 689362	2 242540	0 439494	H 11 344480 7 204986	-2 275628
н	-4 167982	-1 905648	-0 562812	H 8 604248 3 138588	-2 306851
н	-3 608453	0 472465	-0.034887	H 9 339586 5 531996	-2 282721
н	-2 388692	-3 649551	-0 814575	H 10 258463 1 265608	-2 319580
Ċ	2.300052	0 943242	0.241736	C 15 772703 5 662532	-2 598954
c	3 135366	1 513636	-1 163185	C 15 923780 5 916583	-4 118629
н	2 477638	2 379589	-1 371280	H 15 251411 6 738103	-4 433781
н	4 191050	1 844218	-1 208077	H 16 969077 6 197187	-4 352820
н	2 965747	0 736453	-1 932638	H 15.661913 5.000305	-4 681178
0	3 075206	2 021865	1 146483	0 16 136272 6 908906	-1 982749
c	3 872965	-0 195602	0/197780	C 16 823736 / 5889//	-2 229977
c	5 152533	0.153647	0.437780	C 18 182263 5 013665	-2 110437
c	6 140852	-0.812793	0.988291	C 19 194605 4 078885	-1 960668
N	3 512641	-1 475028	0.247773	N 16 526066 3 288042	-2 181364
Ċ	1 181833	-2 /50/83	0.247773	C 17507284 2342449	-2.050037
c	5 837251	-2 178139	0.345445	C 18 897218 2 684666	-1 9/2197
c	6 7/1/20	-2.178139	0.713008	C = 10.857218 = 2.084000	-1.942197
c	4 008515	-3 765872	0.032107	C 17.047874 0.960346	-2 054724
c	4.008313	-1 877678	0.032137	C = 17.047874 = 0.900340	-2.054724
c	6 270000	-4 556647	0.104555	C = 10.033210 = 0.031330	-1 846023
ц	5 366208	1 21///05	1 065130	H 18 401574 6 080472	-1.840023
н	7 16331/	-0 529397	1 283765	H = 20.242446 = 4.407571	-1 869028
н	1 606550	-5 8/39/3	-0 128/67	H 17 7/1821 _1 086/59	-1 965570
н	6 98/1281	-5 /01625	0.520254	H 20 161/02 -0 /93201	-1 768252
н	7 789117	-3 098297	1.062660	H 20.924496 1.891941	-1 7/7789
0	0.255054	-3 095587	-0 5/3061	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-2 29700/
0	2 743159	-3 876771	-0 297137	0 15 776429 0 712737	-2 158984
Ni	1 869388	-2 231825	-0.181657	Ni 14 721772 2 404222	-2 020588
C	2 856011	1 73/12/19	2 522678	C 1/1 278172 1 8257//	2.020300
н	1 802350	1 / 38961	2.322070	C 14.017407 0 799581	1 810284
ц	3 070//8	2 665020	2.727555	C = 14.017407 = 0.755501	0 442500
н	3.575315	0.926396	2 895562	C 14 693243 3 075325	2 245594
	5.525515	0.520550	2.000002	C 14 820087 2 240620	0 862318
				N 14 576679 2 260128	-0 015003
				H 14 910527 2.200130	2 926522
				H 15,153204 4 211832	0.435506

H 13.690427 -0.196398

C 16.078104

H 16.372886

H 16.782234

H 15.051360

H14.1599981.6546663.811085H13.9900860.291037-0.328900

6.930789

7.950505

6.201114

6.726306

2.142599

-0.566722

-0.251657

-0.103345

-0.183705

S1.10.15 E	Bis(triazolato)-substituted	nickel(II)) dipyrid	ylmethane N
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Ν				N(p	y)		
С	1.317394	1.285676	0.178838	С	-1.298100	4.211180	1.398859
С	2.460400	2.106062	0.134290	С	-2.299346	5.051645	1.927580
С	3.728066	1.532240	-0.030988	С	-3.646068	4.678437	1.806942
С	3.834979	0.145912	-0.133905	С	-3.970844	3.492321	1.151434
С	2.667400	-0.635844	-0.065147	С	-2.929753	2.679775	0.652943
С	-0.022006	1.984814	0.473818	С	0.136673	4.796166	1.363222
С	-1.321339	1.275829	0.051968	С	1.381058	3.877964	1.261269
Ν	1.416907	-0.059439	0.083423	Ν	-1.610256	3.043493	0.801334
Ν	-1.421757	-0.071874	0.086995	Ν	1.336280	2.672254	0.658859
С	-2.449044	2.082665	-0.188296	С	2.605861	4.443768	1.671598
С	-3.699505	1.487617	-0.406645	С	3.800695	3.749615	1.430976
С	-3.811866	0.099186	-0.341687	С	3.757401	2.521878	0.773255
С	-2.661887	-0.666186	-0.075334	C	2.504769	1.995160	0.391211
С	-0.105168	2.176613	2.007578	C	0.185067	5.712720	0.115725
0	0.000998	3.306900	-0.069808	0	0.304625	5.680597	2.480039
С	2.620212	-2.066426	-0.134208	С	-3.148859	1.428501	-0.031225
С	-2.624709	-2.089110	0.099675	С	2.341957	0.734249	-0.290950
Ν	1.364196	-2.612124	-0.006404	Ν	-2.048350	0.713113	-0.425110
С	3.470995	-3.159037	-0.337947	С	-4.253373	0.650156	-0.418961
Ν	-1.372309	-2.606670	0.336103	Ν	1.066736	0.317836	-0.570622
С	-3.495881	-3.176471	0.235825	C	3.177996	-0.289543	-0.769719
н	4.805532	-0.354047	-0.256248	Н	4.671968	1.957125	0.545106
Н	-4.773819	-0.412652	-0.481671	Н	-0.629288	6.460640	0.168598
Н	0.776929	2.743635	2.361863	Н	0.060813	5.108750	-0.803360
Н	-0.129251	1.191363	2.511563	Ni	-0.333790	1.481205	0.238013
Ni	0.000564	-1.359840	0.185931	N	-0.395291	0.369792	1.932979
С	0.103903	3.408707	-1.487486	C	-0.577763	-0.960339	1.765236
Н	-1.024424	2.737598	2.263673	C	-0.637257	-1.834446	2.858043
Н	2.328314	3.190568	0.240104	C	-0.503839	-1.320487	4.155742
н	4.625067	2.168178	-0.071185	C	-0.313972	0.060206	4.318078
Н	-2.326130	3.172823	-0.171735	C	-0.266174	0.870552	3.177828
Н	-4.583400	2.111732	-0.606484	Н	-0.203594	0.511495	5.314908
н	0.045147	4.488019	-1./25300	C	0.296254	5.0/01/1	3.762082
н	-0.724269	2.881252	-2.010/08	Н	1.158624	6.237689	0.072804
н	1.069738	3.010584	-1.870201	н	0.437286	5.883496	4.499766
N	1.429026	-3.930922	-0.131822	н	1.123/88	4.334450	3.884844
N	2.703541	-4.276699	-0.330490	н	-0.669334	4.558837	3.979589
N	-1.458784	-3.901660	0.605115	н	-0.675968	-1.313766	0.724316
N	-2.744192	-4.260651	0.549479	н	-0.787054	-2.908732	2.678210
н	-4.586623	-3.235672	0.140699	н	-0.546735	-1.986741	5.030879
н	4.555938	-3.201977	-0.490925	н	-5.014319	3.175922	1.015415
				н	-2.006904	5.999708	2.396/03
				н	-4.43/934	5.326988	2.211902
				н	2.604150	5.433313	2.146266
				H	4./63562	4.181279	1.744321
				H	-0.119470	7.929018	3.255891

N N

Н

N -3.780506 -0.475135

N -2.441227 -0.423863 N 2.388530 -1.256941

-0.875500

0.837172

-0.375864

1.111179

-5.329291

H 4.271717

-1.002434 -0.986992

-1.290478

-1.150774

-0.313477

-0.768043

0				0(n	w)		
c	2 235910	1 254699	0.012156	C (p	-17 038664	6 784959	2 465848
c	3 374568	2 062711	-0.180027	C	-18 047910	7 617393	2 995798
c	4 625853	1 /7/590	-0.405710	G C	-19 392911	7 238023	2 880594
c	4.020000	0.082051	-0 /10088	C	-19 71/198	6.048212	2.000334
c	3 568036	-0 672377	-0.410088	C	-19.714198	5 25/055	1 73281/
c	0.021002	1 067220	0.10021	C C	15 607209	7 276690	2 427455
c	0.931003	1.307230	0.410873	C	-13.007398	6 460045	2.427433
N	-0.403333 2 221110	0.002124	0.111222	C N	-14.303747	5 615207	2.311919
N	0.505240	0.095059	-0.003073	N	1/ /12/65	5 251065	1 715206
C	1 540704	2 075120	0.088393	N C	-14.412403	3.231303	2 705 702
c	2 816664	2.073120	0.011723	C	11 027906	6 221715	2.703702
c	2.010004	1.493929	-0.120034	C	11 096501	0.331713 E 000702	2.433700
C	1 75525015	0.101910	-0.142275	C	12 245471	J.099795	1.601097
C	-1.755250	-0.056709	-0.020910	C	-15.245471	4.363301	1.444272
	0.989997	2.179041	1.945097	C	-15.506211	8.502027	1.105751
0	0.912028	3.280073	-0.150422	0	-15.435828	8.253080	3.548590
c	3.521989	-2.110527	-0.120832	C	-18.882184	3.994738	1.048189
	-1./10030	-2.097713	0.020388	L	-13.411449	3.312310	0.708019
IN N	2.280487	-2.040978	0.105331	IN N	-17.796664	3.280374	0.038802
IN N	4.470951	-3.048269	-0.204672	IN N	-20.041738	3.376926	0.767791
IN N	-0.465000	-2.641730	0.169898	IN N	-14.6/4222	2.886525	0.486232
	-2.000297	-3.031270	-0.008601	IN	-12.4/2114	2.434079	0.379820
н	5.678145	-0.451475	-0.561468	н	-11.091443	4.513254	1.552300
н	-3.884991	-0.426777	-0.232263	н	-10.383078	9.04/922	1.248479
н	1.905025	2.743050	2.207911	H	-15.695791	7.705568	0.262213
	1.004462	1.201305	2.462508	NI NI	-16.078190	4.043575	1.296743
	0.913566	-1.399268	0.153189	N	-16.132971	2.944452	2.999551
	0.855993	3.303384	-1.572570	C	-10.314375	1.012847	2.843007
	0.103137	2.752034	2.275758	C	-10.308022	0.740102	5.942104
н	3.253480	3.152384	-0.128265	C	-16.230923	1.270352	5.235375
	5.514475	2.104244	-0.562208	C	-16.042359	2.052329	5.380409
н	-1.419822	3.103817	0.063614	L U	-15.999793	3.454716	4.240414
н	-3./11038	2.128291	-0.213817	H	-15.928820	3.110980	6.379424
н	0.855714	4.441993	-1.819684	L U	-15.434221	7.033972	4.826829
	-0.067718	2.901416	-1.980189	п	-14.596594	8.830399	1.141533
	1.734940	2.885308	-2.058919	п	-15.291006	8.442027	5.508952
	2.407994	-3.900131	0.183576	п	-14.603590	0.900090	4.939490
	5.729945	-4.10/1/0	-0.005520	п	-10.390903	1 250244	1 906772
	-0.560440	-5.901001	0.229624	п	-10.410541	1.230244	1.800775
C	-1.910595	-4.155700	0.122562	п	16 260520	-0.529710	5.771427
C	4.547020	-3.343374	0.005024	п	-10.209520	0.010005 E 700840	0.115525
с г	-2.337238 E 2070E4	-3.331313	0.127803	н Ц	17 750514	9 566474	2.077007
г с	3.307934	-3.034124 E 010EC2	1 1 2 1 0 0 2	п	-17.759514	0.000474	2 200070
г с	4.940519	-2.010202	-1.101995	п	-20.105542	7.003400	3.200070
r E	1 622610	-0.495204 £ 402010	0.243170	н Ц	10 072241	6.014313	3.100000
г с	-1.025010	-0.403010 E 000701	0.376337 1.06734E	п	15 954100	0.700700	2.750590
г с	-5.115156	-3.000701 E 610994	-1.007545	П	-13.654199	4.544294 2.24602E	4.510566
Г	-2.209030	-3.019884	1.00/023		-13.30439/ 10.3201E3	2.240823 2.1/E202	0.190304
				N	-10.230133	2.143382 1 /FE730	0.089324
					-13.240227	1 697526	-0.140000
					-20 51155	1 106201	-0.0000000
					-12 667824	0 18/015	-0.373340
				C	12.00/024	0.104013	0.702773

S1.10.16 Bis(trifluormethyltriazolato)-substituted nickel(II) dipyridylmethane O

 C
 -12.667824
 0.184015
 -0.702773

 F
 -19.849372
 0.064866
 -0.681526

 F
 -21.134115
 1.629430
 -1.498607

 F
 -21.482534
 0.883325
 0.519092

 F
 -11.720831
 0.443392
 -1.635486

 F
 -12.070342
 -0.551995
 0.271600

 F
 -13.614974
 -0.584299
 -1.271574

1a, S	5 = 0			1a, 1	S = 1		
С	1.314427	1.302314	0.111937	С	1.335334	1.291516	0.115697
С	2.483185	2.078083	-0.013632	С	2.482727	2.097500	-0.033541
С	3.726614	1.461588	-0.205199	С	3.736166	1.498137	-0.220638
С	3.785074	0.061509	-0.244992	С	3.830691	0.101083	-0.245160
С	2.599953	-0.656766	-0.106683	С	2.658359	-0.643084	-0.088356
С	-0.000285	2.017333	0.472369	С	-0.000283	1.987368	0.472653
С	-1.314841	1.301839	0.112491	С	-1.335808	1.291114	0.116158
Ν	1.388234	-0.048913	0.056220	N	1.447663	-0.053458	0.086482
Ν	-1.388138	-0.049375	0.055930	N	-1.447707	-0.053881	0.086576
С	-2.483960	2.077246	-0.011980	С	-2.483520	2.096776	-0.032401
С	-3.727245	1.460413	-0.203384	С	-3.736830	1.497078	-0.219265
С	-3.785153	0.060337	-0.244187	С	-3.830899	0.100002	-0.244221
С	-2.599697	-0.657574	-0.106862	С	-2.658273	-0.643833	-0.088023
С	0.000057	2.212920	2.007380	С	-0.000022	2.174827	2.008589
0	-0.000530	3.336021	-0.077030	0	-0.000526	3.311039	-0.069786
С	2.534152	-2.171653	-0.094056	С	2.670415	-2.177286	-0.077671
С	-2.533323	-2.172440	-0.095282	С	-2.669855	-2.178042	-0.077574
0	1.306036	-2.607385	0.044915	0	1.478090	-2.698764	-0.034243
0	3.544784	-2.856307	-0.194055	0	3.747111	-2.765353	-0.113717
0	-1.305033	-2.607803	0.043303	0	-1.477374	-2.699180	-0.034352
0	-3.543692	-2.857415	-0.195755	0	-3.746355	-2.766443	-0.114082
Н	4.714251	-0.513456	-0.372867	Н	4.774257	-0.449688	-0.369815
Н	-4.714155	-0.514907	-0.372086	Н	-4.774325	-0.451040	-0.368735
Н	0.901556	2.778372	2.312584	Н	0.901323	2.738488	2.317685
Н	0.000488	1.229070	2.514906	Н	0.000264	1.188486	2.511121
Ni	0.000252	-1.287531	0.097237	Ni	0.000182	-1.469005	0.102447
С	-0.001346	3.427716	-1.498897	С	-0.000876	3.411577	-1.490714
Н	-0.901604	2.777839	2.313089	Н	-0.901457	2.738145	2.318042
Н	2.389807	3.170655	0.055478	Н	2.374317	3.189314	0.017150
Н	4.637096	2.070825	-0.308936	Н	4.633724	2.125448	-0.334996
Н	-2.390960	3.169812	0.057896	Н	-2.375437	3.188611	0.018602
Н	-4.638019	2.069359	-0.306255	Н	-4.634632	2.124133	-0.333109
Н	0.004106	4.507664	-1.740137	Н	0.000487	4.493035	-1.725688
н	-0.905803	2.964537	-1.952432	Н	-0.903069	2.948374	-1.948782
Н	0.897325	2.955027	-1.954091	Н	0.899755	2.945959	-1.949400

S1.10.17 Bis(carboxylato)-substituted nickel(II) dipyridylmethane with MeO-substituent 1a

1a(py), MeO-side	coordination, S	= 1	1a(p	y), MeO-side	coo
С	-1.286171	4.244835	1.366083	С	-1.241314	
С	-2.325388	5.034867	1.901094	С	-2.297695	
С	-3.655298	4.607579	1.781918	С	-3.614873	
С	-3.930791	3.408806	1.111184	С	-3.858918	
С	-2.856877	2.664897	0.612117	С	-2.778985	
С	0.140906	4.848217	1.341517	С	0.160428	
С	1.373400	3.915611	1.232498	С	1.370045	
Ν	-1.572028	3.076534	0.754593	Ν	-1.494357	
Ν	1.304086	2.716988	0.616471	Ν	1.264687	
С	2.621667	4.423580	1.649998	С	2.631531	
С	3.788330	3.683399	1.412576	С	3.783976	
С	3.695315	2.456952	0.741749	С	3.656532	
С	2.428855	2.003328	0.359575	С	2.386607	
С	0.192949	5.779557	0.107028	С	0.192571	
0	0.305436	5.716895	2.470030	0	0.333773	
С	-3.074160	1.349703	-0.156607	С	-2.920771	
С	2.241864	0.681242	-0.405647	С	2.127210	
0	-1.975751	0.768801	-0.527487	0	-1.765009	
0	-4.231502	0.979092	-0.358169	0	-4.018220	
0	1.004733	0.394627	-0.667456	0	0.855284	
0	3.247755	0.036751	-0.706004	0	3.042853	
Н	4.559675	1.825561	0.489743	Н	4.502235	
Н	-0.621006	6.527702	0.167209	Н	-0.625563	
Н	0.071239	5.187606	-0.820266	Н	0.063777	
Ni	-0.320896	1.591059	0.200679	Ni	-0.279080	
Ν	-0.382912	0.448690	1.862641	N	-0.338556	
С	-0.578871	-0.868138	1.626577	С	-0.461273	-
С	-0.646905	-1.799067	2.670291	C	-0.616993	-
С	-0.507602	-1.354985	3.993153	C	-0.648917	-
С	-0.303225	0.013311	4.227968	C	-0.523327	-
С	-0.247539	0.881614	3.131686	C	-0.370454	
Н	-0.187821	0.409505	5.247363	Н	-0.543395	-
С	0.293303	5.091774	3.745055	C	0.337890	
н	1.166471	6.305793	0.073528	Н	1.162559	
Н	0.429097	5.897099	4.492290	Н	0.501906	
н	1.121537	4.356230	3.864432	Н	1.154361	
Н	-0.670954	4.574402	3.954084	Н	-0.629071	
н	-0.681/99	-1.152696	0.568643	н	-0.432359	-
н	-0.808167	-2.861365	2.43/0/4	н	-0./12892	-
н	-0.557278	-2.065831	4.831990	н	-0.771006	-
H	-4.943683	3.013418	0.947039	н	-4.85/8/2	
Н	-2.072555	5.98/608	2.386383	н	-2.058465	
н	-4.469421	5.220237	2.199419	н	-4.43/51/	
н	2.658//5	5.406638	2.139285	н	2.68286/	
н	4.764291	4.075208	1./38841	н	4./6/489	
н	-0.088653	1.963/38	3.266751	Н	-0.269270	

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С	-1.241314	4.327024	1.305059
С	-2.297695	5.082899	1.849460
С	-3.614873	4.609013	1.786571
С	-3.858918	3.385078	1.147790
С	-2.778985	2.684236	0.616168
С	0.160428	4.962318	1.257988
С	1.370045	4.016117	1.145233
Ν	-1.494357	3.138794	0.706765
Ν	1.264687	2.810089	0.538595
С	2.631531	4.496118	1.547665
С	3.783976	3.728645	1.333090
С	3.656532	2.490726	0.687323
С	2.386607	2.069194	0.300564
С	0.192571	5.878608	0.012204
0	0.333773	5.836421	2.376599
С	-2.920771	1.374849	-0.135184
С	2.127210	0.772599	-0.441381
0	-1.765009	0.917549	-0.546164
0	-4.018220	0.858198	-0.316705
0	0.855284	0.603247	-0.704180
0	3.042853	0.014755	-0.743358
H	4.502235	1.826046	0.456524
Н	-0.625563	6.622030	0.072735
н	0.063777	5.270298	-0.903835
Ni	-0.279080	1.892667	0.050178
N	-0.338556	0.377555	2.178212
С	-0.461273	-0.901988	1.777775
С	-0.616993	-1.965889	2.680923
С	-0.648917	-1.686944	4.054938
С	-0.523327	-0.353759	4.474828
С	-0.370454	0.638919	3.494792
н	-0.543395	-0.085187	5.541957
С	0.337890	5.220926	3.659687
н	1.162559	6.409803	-0.038415
н	0.501906	6.032441	4.394159
н	1.154361	4.471792	3.767282
н	-0.629071	4.720081	3.891740
н	-0.432359	-1.066036	0.687342
н	-0.712892	-2.995488	2.305257
н	-0.771006	-2.497435	4.790306
н	-4.857872	2.939407	1.030315
н	-2.058465	6.052112	2.308717
н	-4.437517	5.198009	2.219342
н	2.682867	5.487653	2.018444
н	4.767489	4.102900	1.654913
н	-0.269270	1.700986	3.786700

1a(py), Me-side co	oordination, S =	1	1a(py), Me-side coo
С	-1.853114	1.340487	0.047259	C -1.937449
С	-2.638032	2.479207	-0.228777	C -2.696613
С	-2.016002	3.709572	-0.483746	C -2.066095
С	-0.618550	3.785024	-0.457450	C -0.671316
С	0.102944	2.626979	-0.147771	C 0.029972
С	-2.578303	0.018062	0.399464	C -2.677370
С	-1.866440	-1.317528	0.070967	C -1.925429
Ν	-0.508715	1.443560	0.109345	N -0.589528
Ν	-0.523029	-1.432948	0.133398	N -0.576741
С	-2.663634	-2.452670	-0.183231	C -2.674314
С	-2.054909	-3.693524	-0.418482	C -2.032800
С	-0.658352	-3.782248	-0.394473	C -0.637360
С	0.075345	-2.626816	-0.104471	C 0.053516
С	-2.850625	0.032133	1.920096	C -2.985921
0	-3.875993	0.020078	-0.209288	0 -3.948224
С	1.638808	2.636789	-0.070676	C 1.532432
С	1.610396	-2.652334	-0.030551	C 1.555735
0	2.155240	1.495095	0.256102	O 1.953811
0	2.226197	3.693274	-0.311187	O 2.218380
0	2.139376	-1.515002	0.294877	O 1.966314
0	2.187693	-3.715147	-0.266847	O 2.250856
Н	-0.095050	-4.708422	-0.579174	H -0.043762
Н	-3.422890	0.940984	2.189864	H -3.576958
Н	-1.893656	0.026072	2.475224	H -2.036413
Ni	0.875664	0.002074	0.532162	Ni 0.626213
C	-3.920574	0.006160	-1.633415	C -3.933618
н	-3.440032	-0.861766	2.202481	H -3.568817
н	-4.992788	0.021550	-1.908128	H -4.993180
н	-3.455056	-0.906929	-2.065877	H -3.429272
	-3.424390	0.893040	-2.084009	
	-0.045378	4.702492	-0.054989	
	-3./3208/	2.383177	-0.229404	
н	-2.020093	-2 3/5308	-0.700314	H _3 768333
н	-2 674450	-4 581534	-0.185250	H -2 620723
N	0 989075	0.045606	2 544068	N 0.676222
Ċ	1 002917	1 226083	3 200928	C 1.023966
c	1 253303	1 315351	4 574657	C 1 713140
c	1 505264	0 139695	5 296959	C 2 063257
C	1.498998	-1.083088	4.610236	C 1.707698
C	1.240580	-1.088264	3.234688	C 1.018833
H	0.817325	2.125654	2.595983	Н 0.745762
Н	1.711501	0.176980	6.377369	Н 2.612175
H	1.257941	2.300820	5.062411	Н 1.976089
н	1.255552	-2.019673	2.650851	Н 0.736321
H	1.702004	-2.032456	5.126553	Н 1.966243

1a(py), Me-side	coordination, S = 0	
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С	-2.696613	2.479472	-0.352959
С	-2.066095	3.718780	-0.529727
С	-0.671316	3.785243	-0.411468
С	0.029972	2.614840	-0.128957
С	-2.677370	0.014770	0.242538
С	-1.925429	-1.297205	-0.046395
Ν	-0.589528	1.407182	0.024443
Ν	-0.576741	-1.364446	0.061860
С	-2.674314	-2.465623	-0.283811
С	-2.032800	-3.703612	-0.427175
С	-0.637360	-3.754177	-0.308813
С	0.053516	-2.570208	-0.059166
С	-2.985921	0.034810	1.757208
0	-3.948224	-0.000429	-0.411333
С	1.532432	2.569414	0.065306
С	1.555735	-2.505795	0.131588
0	1.953811	1.362157	0.341762
0	2.218380	3.584086	-0.015913
0	1.966314	-1.287654	0.374340
0	2.250856	-3.515986	0.076693
Н	-0.043762	-4.676730	-0.392082
н	-3.576958	0.937742	2.005278
Н	-2.036413	0.04/229	2.32/640
NI	0.626213	0.031059	0.359923
C	-3.933618	-0.020405	-1.836153
н	-3.568817	-0.865933	2.031107
н	-4.993180	-0.029738	-2.155843
н	-3.429272	-0.924582	-2.243447
н	-3.43/513	0.8/0508	-2.208831
	-0.080051	4./10580	-0.519185
	-3.789788	2.382023	-0.402005
п	-2.002004	4.010499	0 224712
п	-3.706333	-2.5/9500	-0.554/12
N	-2.020723	-4.014223	2 8/0/27
C	1 023966	1 220662	2.049427
c	1.023900	1.220002	J.455209
c	2 063257	0.080215	5 202220
c	1 707698	-1 123898	1 685583
c	1 018833	-1 08/1797	3 161830
н	0 745762	2 145267	2 901012
н	2.612175	0.100270	6.247474
н	1.976089	2.264978	5.086208
н	0.736321	-2.021709	2.954765
н	1.966243	-2.090769	5.142193
•••	2.0002 10		2.2.2233

1a(p	y) ₂ , S = 1		
C	-1.284220	4.248219	1.341545
С	-2.304854	5.015146	1.943337
С	-3.625683	4.546105	1.933370
С	-3.908706	3.323912	1.312084
С	-2.856839	2.619211	0.714954
С	0.138880	4.862685	1.278350
С	1.373001	3.924993	1.207216
Ν	-1.580999	3.081115	0.733309
Ν	1.317619	2.718048	0.606581
С	2.604603	4.427506	1.678835
С	3.767718	3.656522	1.547534
С	3.684193	2.398916	0.938509
C	2.437578	1.963639	0.473549
С	0.184414	5.767440	0.026937
0	0.305117	5.761293	2.386796
С	-3.116605	1.292531	-0.027032
C	2.294233	0.607840	-0.246872
0	-2.068965	0.783056	-0.585661
0	-4.274511	0.862883	-0.043094
0	1.106239	0.368036	-0.694446
0	3.305479	-0.093497	-0.353674
H	4.540702	1.725204	0.790916
н	-0.632441	6.513579	0.075785
н	0.063886	5.155603	-0.886632
Ni	-0.314072	1.705540	-0.083983
N	-0.400619	0 496039	1 693157
C	-0.609107	-0.818304	1.470616
C	-0.671595	-1.748774	2.516661
c	-0 512178	-1 302472	3 836299
ĉ	-0 295234	0.064763	4 062772
C	-0.247459	0.925702	2.958428
н	-0 164173	0 464473	5 079139
c	0 305573	5 179057	3 683366
н	1 155422	6 298003	-0.017153
н	0 441843	6.012288	4 399561
н	1 137957	4 452980	3 824144
н	-0.652572	4 663210	3 919372
н	-0 731126	-1 110099	0 417234
н	-0.843973	-2 810673	2 289115
н	-0 556195	-2 010449	4 678161
н	-4 912576	2 879043	1 251646
н	-2 045428	5 979031	2 401674
н	-4 424715	5 139814	2.401074
н	2 631296	5 426607	2.404274
н	4 73031230	4 044096	1 916142
н	-0.078786	2 007510	3 091559
N	-0 283427	2 564454	-2 044962
c	-1 428023	2 966982	-2 633879
c	-1 482694	3 405407	-3 963214
č	-0.302163	3,422598	-4.719843
č	0.887125	2,998003	-4,110556
ĉ	0 850321	2 575261	-2 775106
н	-2 336767	2 921451	-2 016828
н	-0 310359	3 755327	-5 769150
н	-7 <u>1</u> /1051	3 718876	-4 202711
н	2.744901 1 757/21	2 212/125	-7 2715//44
н	1.839731	2.981832	-4.659895
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10.10 010/00		bothated me			Billo Substitu	
			16	o(py), BnO-side	e coordination	
1.338827	1.280341	0.090173	C	-0.972152	4.225381	1.517792
2.515539	2.038683	-0.064549	C	-1.853852	5.085605	2.205611
3.751222	1.400781	-0.237171	C	-3.228080	4.806450	2.216435
3.793733	-0.000457	-0.226993	C	-3.704939	3.688021	1.520650
2.600993	-0.699986	-0.061226	C	-2.779617	2.868953	0.865634
0.031021	2.015455	0.434908	С	0.501856	4.673407	1.350393
-1.290063	1.311965	0.075142	С	1.606324	3.617993	1.090176
1.396853	-0.072629	0.081451	Ν	-1.449506	3.134400	0.883261
-1.379925	-0.039333	0.066033	Ν	1.341164	2.477285	0.420253
-2.446748	2.097822	-0.092696	С	2.937656	3.955259	1.413584
-3.695109	1.489189	-0.279176	C	3.982725	3.104395	1.025857
-3.770851	0.089399	-0.269381	C	3.686294	1.942950	0.300912
-2 596911	-0.638081	-0.090123	C C	2 346129	1 659579	0.018936
0.024685	2 226695	1 968039	C C	0 524353	5 628688	0 133165
0.050248	3 326260	-0 127778	0	0.878856	5 485089	2 467385
2 516920	-2 212/196	0.007709	0 C	-3 220522	1 635/09	0.05815/
-2 5/0568	-2.212450	-0.020181	C C	1 026151	0 / 180/7	_0 702110
1 282580	-2 627874	0.162765	0	-2 237064	0.966856	-0.460588
2 510072	2.027674	0.102703	0	1 126192	1 402417	0.400588
1 220205	2.912003	-0.000437	0	-4.420462	1.402417	-0.034321
-1.526265	-2.390763	0.146471	0	0.054604	0.267050	-0.945092
-3.50/200	-2.828279	-0.105382	0	2.827047	-0.313609	-1.224800
4.716295	-0.589828	-0.335629	н	4.444209		-0.066619
-4.705804	-0.478068	-0.388226	н	-0.192262	6.457535	0.292722
0.932141	2.782367	2.2/3659	H	0.239729	5.077580	-0.783462
0.009665	1.24/118	2.483427	NI	-0.435178	1.562252	0.120911
-0.006733	-1.291/93	0.162887	N	-0.45/16/	0.335697	1./23/45
0.058880	3.41/243	-1.5511//	C	-0.796738	-0.942206	1.441210
-0.8/2393	2.804512	2.263079	C	-0.863853	-1.921964	2.439251
2.437536	3.134343	-0.032888	C	-0.571366	-1.569528	3.764606
4.668061	1.995659	-0.365014	C	-0.220200	-0.240805	4.048073
-2.343623	3.191358	-0.060205	C	-0.175710	0.680812	2.995644
-4.596135	2.105541	-0.417293	Н	0.017445	0.083872	5.071571
0.065517	4.868984	-1.977186	C	0.939261	4.843968	3.734586
-0.832001	2.902086	-1.982632	Н	1.541313	6.046316	0.001632
0.951616	2.896700	-1.972270	Н	-1.013350	-1.155504	0.383733
0.075283	5.177964	-3.353488	Н	-1.143995	-2.950217	2.168882
0.081143	6.511487	-3.784133	Н	-0.616421	-2.320383	4.568089
0.077467	7.556837	-2.844583	Н	-4.767324	3.412592	1.451849
0.067956	7.255924	-1.474897	Н	-1.450842	5.977091	2.705970
0.061984	5.919439	-1.041023	Н	-3.919657	5.473171	2.754529
0.054636	5.681208	0.031792	Н	3.137304	4.893844	1.948900
0.065161	8.068516	-0.732008	Н	5.022990	3.361621	1.278890
0.082084	8.604241	-3.182755	Н	0.094003	1.735244	3.169198
0.088666	6.737250	-4.861525	C	1.384146	5.829314	4.793957
0.078253	4.364083	-4.097148	Н	1.648503	3.981349	3.706096
			н	-0.058006	4.422738	4.010684
			C	1.531204	5.389133	6.125643
			С	1.940593	6.277490	7.129392
			С	2.209364	7.621021	6.815770
			C	2.064791	8.064831	5.493364
			C	1.654092	7.175386	4.486095
	1.338827 2.515539 3.751222 3.793733 2.600993 0.031021 -1.290063 1.396853 -1.379925 -2.446748 -3.695109 -3.770851 -2.596911 0.024685 0.050248 2.516920 -2.549568 1.283589 3.519072 -1.328285 -3.567206 4.716295 -4.705804 0.932141 0.009665 -0.006733 0.058880 -0.872393 2.437536 4.668061 -2.343623 -4.596135 0.065517 -0.832001 0.951616 0.075283 0.081143 0.077467 0.067956 0.061984 0.054636 0.065161 0.082084 0.078253	1.338827 1.280341 2.515539 2.038683 3.751222 1.400781 3.793733 -0.00457 2.600993 -0.699986 0.031021 2.015455 -1.290063 1.311965 1.396853 -0.072629 -1.379925 -0.039333 -2.446748 2.097822 -3.695109 1.489189 -3.770851 0.089399 -2.596911 -0.638081 0.024685 2.226695 0.050248 3.326260 2.516920 -2.212496 -2.549568 -2.152187 1.283589 -2.627874 3.519072 -2.912603 -1.328285 -2.596785 -3.567206 -2.828279 4.716295 -0.589828 -4.705804 -0.478068 0.932141 2.782367 0.009665 1.247118 -0.006733 -1.291793 0.058880 3.417243 -0.872393 2.804512 2.437536 3.134343 4.668061 1.995659	1.338827 1.280341 0.090173 2.515539 2.038683 -0.064549 3.751222 1.400781 -0.237171 3.793733 -0.000457 -0.226993 2.600993 -0.699986 -0.061226 0.031021 2.015455 0.434908 -1.290063 1.311965 0.075142 1.396853 -0.072629 0.081451 -1.379925 -0.039333 0.066033 -2.446748 2.097822 -0.092696 -3.695109 1.489189 -0.279176 -3.770851 0.089399 -0.269381 -2.596911 -0.638081 -0.090123 0.024685 2.226695 1.968039 0.050248 3.326260 -0.127778 2.516920 -2.212496 0.007709 -2.549568 -2.152187 -0.020181 1.283589 -2.627874 0.162765 3.519072 -2.912603 -0.066437 -1.328285 -2.596785 0.148471 -3.567206 -2.828279 -0.105382 4.716295 -0.589828 -0.335629 <td>It It 1.338827 1.280341 0.090173 C 2.515539 2.038683 -0.064549 C 3.793733 -0.00457 -0.226993 C 2.600993 -0.699986 -0.061226 C 0.031021 2.015455 0.434908 C -1.290063 1.311965 0.075142 C 1.396853 -0.07629 0.081451 N 1.379925 -0.039333 0.066033 N -2.446748 2.097822 -0.092696 C -3.770851 0.089399 -0.269381 C -2.596911 -0.638081 -0.090123 C 0.050248 3.326260 -0.127778 O 0.51902 -2.212496 0.007709 C 2.516920 -2.212496 0.007709 C 1.283589 -0.627874 0.162765 O 0.3519072 -2.912603 -0.105382 O 0.357070 C 2.273659 H</td> <td>Ib(py), Bn0-side 1.338827 1.280341 0.090173 C -0.972152 2.515539 2.038683 -0.064549 C -1.853852 3.75122 1.400781 -0.237171 C -3.228080 3.79373 -0.00457 -0.226993 C -3.704939 2.600993 -0.699986 -0.051226 C -2.779617 0.31021 2.015455 0.434908 C 1.606324 1.290063 1.311965 0.075142 C 1.606324 1.39925 -0.039333 0.066033 N 1.341164 2.446748 2.097822 -0.092696 C 2.397565 -3.695109 1.489189 -0.279176 C 3.882725 -3.70851 0.089399 -0.269381 C 8.2642129 -0.024685 2.226695 1.968039 C 5.224353 0.050248 3.26260 -0.127778 O 8.28265 2.549568 -2.152187 -0.020181 C 1.936151</td> <td>Ibigen Ibigen Ibigen Bigen 1.338827 1.280341 0.090173 C -0.972152 4.225381 2.515539 2.038683 -0.064549 C -1.853852 5.085605 3.751222 1.400781 -0.226993 C -3.704939 3.688021 2.60093 0.699986 -0.601226 C -2.779617 2.868953 0.031021 2.015455 0.434908 C 1.606324 3.617993 1.396853 0.07202 0.081451 N -1.449506 3.134400 -1.379925 -0.039333 0.066033 N 1.341164 2.477285 -2.466748 2.097822 -0.092696 C 2.937656 3.955259 -3.695109 1.489189 -0.27976 C 3.68272 3.104395 -2.549561 0.68039 C 0.524353 5.628688 0.024685 1.212480 0.00779 C -3.220522 1.63609 -2.549568 -2.121496 0.0066437 <</td>	It It 1.338827 1.280341 0.090173 C 2.515539 2.038683 -0.064549 C 3.793733 -0.00457 -0.226993 C 2.600993 -0.699986 -0.061226 C 0.031021 2.015455 0.434908 C -1.290063 1.311965 0.075142 C 1.396853 -0.07629 0.081451 N 1.379925 -0.039333 0.066033 N -2.446748 2.097822 -0.092696 C -3.770851 0.089399 -0.269381 C -2.596911 -0.638081 -0.090123 C 0.050248 3.326260 -0.127778 O 0.51902 -2.212496 0.007709 C 2.516920 -2.212496 0.007709 C 1.283589 -0.627874 0.162765 O 0.3519072 -2.912603 -0.105382 O 0.357070 C 2.273659 H	Ib(py), Bn0-side 1.338827 1.280341 0.090173 C -0.972152 2.515539 2.038683 -0.064549 C -1.853852 3.75122 1.400781 -0.237171 C -3.228080 3.79373 -0.00457 -0.226993 C -3.704939 2.600993 -0.699986 -0.051226 C -2.779617 0.31021 2.015455 0.434908 C 1.606324 1.290063 1.311965 0.075142 C 1.606324 1.39925 -0.039333 0.066033 N 1.341164 2.446748 2.097822 -0.092696 C 2.397565 -3.695109 1.489189 -0.279176 C 3.882725 -3.70851 0.089399 -0.269381 C 8.2642129 -0.024685 2.226695 1.968039 C 5.224353 0.050248 3.26260 -0.127778 O 8.28265 2.549568 -2.152187 -0.020181 C 1.936151	Ibigen Ibigen Ibigen Bigen 1.338827 1.280341 0.090173 C -0.972152 4.225381 2.515539 2.038683 -0.064549 C -1.853852 5.085605 3.751222 1.400781 -0.226993 C -3.704939 3.688021 2.60093 0.699986 -0.601226 C -2.779617 2.868953 0.031021 2.015455 0.434908 C 1.606324 3.617993 1.396853 0.07202 0.081451 N -1.449506 3.134400 -1.379925 -0.039333 0.066033 N 1.341164 2.477285 -2.466748 2.097822 -0.092696 C 2.937656 3.955259 -3.695109 1.489189 -0.27976 C 3.68272 3.104395 -2.549561 0.68039 C 0.524353 5.628688 0.024685 1.212480 0.00779 C -3.220522 1.63609 -2.549568 -2.121496 0.0066437 <

S1.10.18	Bis(carboxylato)-substituted nickel(II)	dipyridylmethane w	vith BnO	-substituent 1b

H 1.323021

Н Н

н

Н

2.531337

2.051389

1.539430

2.273291

6.380064

7.603572

8.164431

3.448444 5.238694

4.336662

8.318994

5.919273

7.518552

9.115526

1b(p	oy), Me-side co	oordination		C	-0.782771	2.586452	4.239660
С	-1.863465	-0.063891	1.678067	С	-0.181306	4.845307	1.266370
С	-2.734964	0.247651	2.741951	С	-0.246197	3.918936	0.023149
С	-2.211129	0.509788	4.016263	Ν	-0.754379	3.061196	2.968830
С	-0.825787	0.453528	4.208099	Ν	-0.860581	2.718575	0.065995
С	-0.018093	0.103204	3.120533	С	0.242874	4.424356	-1.200509
С	-2.479212	-0.414254	0.301612	С	0.114513	3.660929	-2.369234
С	-1.647076	-0.107732	-0.969840	С	-0.508803	2.409590	-2.298894
Ν	-0.534984	-0.159846	1.894347	С	-0.990969	1.972152	-1.059547
N	-0.304179	-0.246966	-0.971459	C	-1.434879	5.747227	1.226006
C	-2.329460	0.202420	-2.164533	0	0.924966	5.746917	1.112082
C	-1.603797	0.404480	-3.347396	C	-1.552115	1.272766	4,484995
ĉ	-0 209202	0 291125	-3 320198	C C	-1 728332	0.624113	-0 931121
c	0.406289	-0.0/1920	-2 108715	0	-2 112926	0.024113	3 / 29837
c	-2 782045	-1 928832	0 300824	0	-1 58/2/5	0.835158	5 639/8/
0	-3 757153	0 221109	0.300024	0	-2 101277	0.383274	0 250811
c	1 508127	-0.017781	3 262074	0	-1 8225/1	-0.070494	-1 9/7200
Ċ	1.308127	-0.017781	3.202074	U U	-1.052541	1 742514	-1.947200
	2 107156	-0.196201	-2.004030	п ц	1 202265	1.742514 6 494020	-5.100609
0	2.107150	-0.397312	2.176149	п	-1.592205	0.464059	2.031065
0	2.012931	0.237896	4.356903	H	-2.345575	5.129555	1.337202
0	2.347602	-0.517421	-0.819020	NI	-1.580876	1./05//2	1.684960
0	2.606581	-0.021238	-3.020068	N	0.180213	0.472524	1.782381
Н	0.439855	0.441062	-4.195075	C	-0.061047	-0.839163	1.986747
Н	-3.441986	-2.179662	1.153922	C	0.971787	-1.784374	2.047966
н	-1.839100	-2.500210	0.391067	C	2.297769	-1.356156	1.891706
Ni	0.951096	-0.668497	0.585707	C	2.543736	0.008408	1.679184
С	-3.781167	1.646777	0.163241	C	1.451577	0.884729	1.632216
Н	-3.287925	-2.209626	-0.643391	Н	3.565833	0.394114	1.550756
Н	-0.326702	0.655538	5.166955	C	2.228576	5.178972	1.105078
Н	-3.817356	0.268038	2.555812	Н	-1.478568	6.286845	0.259928
Н	-2.887860	0.755342	4.849384	Н	-1.118536	-1.116385	2.107199
Н	-3.425233	0.276292	-2.154383	Н	0.729168	-2.843480	2.216878
Н	-2.133323	0.649347	-4.281168	Н	3.129566	-2.075976	1.934709
Ν	0.999670	-2.681297	0.665083	Н	-0.240465	2.813929	6.297937
С	0.979789	-3.317976	1.856705	Н	0.982713	5.915797	3.465707
С	1.191063	-4.696440	1.971712	Н	0.967190	5.050231	5.831250
С	1.438409	-5.445322	0.811918	Н	0.709563	5.418639	-1.220140
С	1.466371	-4.779900	-0.422318	Н	0.497431	4.050010	-3.325541
С	1.245749	-3.398283	-0.453569	Н	1.599720	1.965100	1.466441
н	0.803248	-2.692263	2.743593	Ν	-3.532134	2.585343	1.639524
н	1.614582	-6.530121	0.870062	C	-4.127851	2.985536	2.781514
н	1.169580	-5.167239	2.965166	С	-5.454698	3.432313	2.827562
н	1.284892	-2.833424	-1.395962	С	-6.201373	3.460867	1.640905
н	1.666821	-5.317760	-1.360177	С	-5.584976	3.039070	0.454290
С	-5.135036	2.138027	-0.301387	С	-4.252648	2.607528	0.499759
н	-2.986743	2.047881	-0.508461	Н	-3.518586	2.930506	3.694967
н	-3.562741	2.058740	1.176849	н	-7.248601	3.800166	1.642311
С	-5.347272	3.525285	-0.443945	Н	-5.891240	3.743129	3.787944
С	-6.590297	4.016875	-0.864622	н	-3.743996	2.246372	-0.405217
C	-7.437459	1.747824	-1.007520	н	-6.126456	3.031789	-0.502909
Ċ	-7.641628	3.128139	-1.148522	C	3.269782	6.268928	0.971413
H	-4.527662	4.228989	-0.223670	Н	2.339992	4.453275	0.263957
C	-6.191446	1.253198	-0.585792	н	2.414006	4.601047	2.042240
н	-8.255765	1.044442	-1.226628	r r	4,634163	5.913158	0.936039
н	-6 027123	0 172563	-0.471118	C C	5 625483	6 896266	0.815472
н	-8 617984	3 514010	-1 479228	c r	5 267224	8 252589	0 727987
н	-6 740077	5 102115	-0 973022		3 917274	8 6129/1	0 761202
11	0.740077	5.102115	-0.973022		2.212324 2.017176	7 679052	0.701392
				с ц	1 85/071	7 0020000	0.002025
1h/-	nv).			п ц	2 677720	7.503000	0.300330
TUL	-0 120207	1 217/00	2 683057	п ц	5.022230	9.072907	0.052007
c	-0.120307	4.21/400	2.005357	п ,,	0.043349 6 606153	5.025504	0.055775
C C	0.300964	4.9090/0	5./112//	н	0.000153	0.002430	1.004220
C C	0.480633	4.476444	5.02/144	н	4.924069	4.85152/	1.004220
L	-0.109872	3.200921	J.298383				

ic ic/py/leaded Builton-Jete conditional C 1.33830.1 1.276458 0.090168 C 1.01227 5.0740146 6.082066 C 3.732291 -0.003811 -0.230111 C -0.099863 3.672329 7.436204 C 2.000365 -0.030521 C -1.058364 4.671088 3.741529 C 1.230714 -0.030521 C -1.268364 4.671088 3.741529 C -1.200121 1.307895 0.077347 C -1.30056 3.619335 2.643073 N 1.330034 -0.043363 0.067851 N -2.30597 2.480726 2.89583 C -3.695340 1.485300 -0.257541 C -1.394548 3.131898 0.256407 C -3.259776 3.32252 -0.125544 C -1.264348 3.36754 C -0.046716 3.224527 -0.255970 C 2.409276 1.624791 7.454986 C -0.049776	S1.10.19 Bis(carboxylato)-substituted nickel(II) dipyridylmethane with ^t BuBnO-substituent 1c								
C 1.338534 1.274458 0.090163 C 1.102225 4.218019 5.214170 C 2.514944 2.036095 -0.065540 C -0.401778 4.790724 7.471603 C 2.600856 -0.703621 -0.063526 C -1.250366 3.673237 7.945284 C 2.600856 -0.0703621 -0.663526 C -1.250366 3.61333 2.614073 N 1.396783 -0.07465 0.080744 N -1.230267 2.480724 2.480724 2.480574 2.480724 2.480574 2.480574 2.480724 2.480574 2.480724 2.480749 2.725499 0.450733 2.517027 2.216144 0.004975 0 0.517444 2.4404988 3.375408 <td>1c</td> <td></td> <td></td> <td></td> <td></td> <td>1c(p</td> <td>y), ^tBuBnO-si</td> <td>de coordination</td> <td></td>	1c					1c(p	y), ^t BuBnO-si	de coordination	
C 2.514944 2.035005 -0.065540 C -0.41229 5.074044 6.09266 C 3.75691 -0.063526 C 0.409063 3.67329 7.34524 C 2.000356 -0.703621 -0.063526 C -0.17507 2.857611 7.01770 C -1.200121 1.30785 -0.077347 C -1.33064 4.671083 3.741529 C -1.200121 1.30785 -0.077347 C -1.30654 4.671083 3.74152 C -2.468734 -0.0759541 C -1.204256 3.958496 1.309355 C -3.67155 0.085761 C -2.46819 5.67790 3.225407 C -3.25977 -3.32252 -0.125544 C -1.594548 3.11898 0.525407 C -3.25977 -2.254977 -2.464819 5.67790 3.22259 -0.2975241 C -2.690276 1.667170 1.88213 C -3.56779 -0.51508 -0.49778 3.2	С	1.338534	1.276458	0.090163		c	-1.102225	4.218019	5.214170
C 3.793007 1.397455 -0.239596 C -0.401778 4.790724 7.471603 C 3.793007 1.397455 -0.23956 C 1.757057 2.887611 7.011702 C 0.031089 2.011647 0.463262 C -1.230656 3.619333 3.2634073 N 1.380783 -0.077645 0.087744 N -1.739247 3.127165 5.684418 N 1.3306783 -0.077645 0.087851 N 2.20527 2.480724 2.489578 2.1393855 C -3.695340 1.485300 -0.257741 C -1.594548 3.111389 0.254970 3.23227 C -2.597124 -0.642095 -0.657681 C 2.304892 1.952845 0.549070 C 2.517027 -2.215144 0.004975 C -3.482549 0.4271851 2.549479 C 2.537027 -2.215144 0.004575 C -3.68259 0.293078 1.40028 C 2.537027	С	2.514944	2.035095	-0.065540		С	-0.412229	5.074044	6.098266
C 3.733291 -0.003811 -0.73626 C 1.099863 3.672329 7.44224 C 2.600856 -0.703621 C 1.758767 2.857611 7.017702 C 0.031089 2.011647 0.436212 C 1.7530656 3.619333 2.634073 N 1.380783 -0.076456 0.080744 N 1.732477 3.127165 5.688418 N 1.380034 -0.043363 -0.067851 N 2.20597 2.480726 2.595124 0.548070 1.339556 C -3.771155 0.085460 -0.255776 C 2.24827 0.525607 1.828213 C 0.250776 C 2.24697 3.21595 0.42095 0.037163 3.22252 0.125534 0 -0.151086 5.482458 3.367544 C -2.56997 -2.15144 0.014542 C -3.625497 0.474598 C -2.56097 -2.15144 0.014542 C -3.625499 0.47573 S	С	3.750507	1.397455	-0.239596		С	-0.401778	4.790724	7.471603
C 2.600856 -0.73621 -0.063326 C -1.757057 2.857611 7.017702 C -1.230121 1.307895 0.077347 C -1.530656 3.619335 2.634073 N -1.380034 -0.043563 0.080744 N -1.732072 2.480726 2.89583 C -2.446874 2.093867 -0.089595 C -1.204256 3.958446 1.033955 C -3.6953.41 4.8500 -0.257714 C -1.294284 3.11188 0.256407 C -2.59714 -0.6420970 C -2.484819 3.62774 2.48498 3.62764 C -2.05974 -0.612077 -2.246144 -0.014737 C -3.484218 3.367544 C -2.517027 -2.216144 -0.014737 C -3.468497 0.424951 2.944979 O 1.28202 -2.61840 -0.18373 C -3.265990 0.93344 3.57649 0.93344 3.57649 O -3.38129	С	3.793291	-0.003811	-0.230111		С	-1.099863	3.672329	7.945284
C 0.031089 2.011647 0.436212 C -1.268364 4.671083 3.241529 N 1.395783 -0.076465 0.080744 N -1.739247 3.127165 5.688418 N -1.380034 -0.038367 0.067851 N -2.246874 2.039567 5.6895486 1.303955 C -3.6495340 1.485300 -0.275241 C -1.594548 3.111898 0.556407 C -3.771155 0.065406 -0.255776 C 2.248429 1.552760 3.222395 O 0.049776 3.322252 -0.125344 O 0.151086 5.482458 3.375549 C -2.549697 -2.166194 -0.018473 C -3.452497 0.427851 2.94479 O 1.283902 -2.613804 0.160375 O -3.68299 0.397678 8.660208 O 1.351749 O.3267379 -0.3377210 O.3267337 1.40028 O 1.351749 O.346129 -2.99078 1.40028	С	2.600856	-0.703621	-0.063526		С	-1.757057	2.857611	7.017702
C -1.230121 1.307895 0.077347 C -1.530656 3.613335 2.634073 N -1.380034 -0.043363 0.067851 N -1.232577 2.480726 2.895583 C -2.446874 2.033667 -0.089595 C -1.204256 3.955448 3.111898 0.256477 C -3.695340 1.48500 -0.257714 C -1.532448 3.111898 0.256477 C -2.597124 -0.642095 -0.087681 C -2.6324488 3.367564 C 2.517027 -2.216144 0.004542 C -2.567230 1.624591 7.454958 C -2.5496697 -2.517027 -2.16144 0.01875 O -3.425497 0.427851 2.94479 O -1.32262 -2.60329 0.148704 O -3.56748 0.231341 3.57548 O -3.356739 -2.832379 -0.103721 O -3.66129 0.23141 3.57548 O -3.425497 -3.567339	С	0.031089	2.011647	0.436212		С	-1.268364	4.671083	3.741529
N 1.396783 -0.076465 0.080744 N -1.739247 3.127165 S68418 C -3.805340 -0.03350 0.067851 N -2.20557 2.40726 2.89583 C -3.695340 1.485300 -0.027541 C -1.204256 3.958496 1.303955 C -3.695340 0.48500 -0.25776 C -2.434892 1.9552845 0.64007 C -3.77155 0.085440 -0.25776 C -2.434891 5.65760 3.72159 O 0.049776 3.322252 -0.12534 O -0.151086 5.482488 3.375548 C -2.549697 -2.156194 -0.018473 C -3.425497 0.427851 2.924479 O 1.283902 -2.601892 0.137135 O -3.65649 0.293141 3.57548 O 1.43870 -2.894730 0.137573 O -3.367549 0.293374 2.402334 O 1.43737 0.505292 0.30029 H </td <td>С</td> <td>-1.290121</td> <td>1.307895</td> <td>0.077347</td> <td></td> <td>С</td> <td>-1.530656</td> <td>3.619335</td> <td>2.634073</td>	С	-1.290121	1.307895	0.077347		С	-1.530656	3.619335	2.634073
N -1.38034 -0.043363 0.067851 N -2.205597 2.480726 2.289583 C -3.695340 1.485300 -0.275241 C -1.20426 3.98966 1.303955 C -3.695340 1.485300 -0.275241 C -1.594548 3.111898 0.256407 C -2.59712 -0.6220576 C -2.324482 1.952845 0.365467 C -0.269714 -0.6220576 C -2.34942 1.3828248 3.367564 C -2.549707 -2.2216144 -0.004575 O -0.151086 5.482488 3.367564 C -2.349697 -2.156194 -0.014373 C -3.426497 0.424581 2.294479 O -1.328260 -2.61808 -0.017353 O -3.088293 0.960616 6.470513 O -3.357339 -2.832379 -0.103721 O -3.368129 -0.29978 1.400284 H -4.71517 -0.52929 -0.340029 H -2.694730 <td>Ν</td> <td>1.396783</td> <td>-0.076465</td> <td>0.080744</td> <td></td> <td>N</td> <td>-1.739247</td> <td>3.127165</td> <td>5.688418</td>	Ν	1.396783	-0.076465	0.080744		N	-1.739247	3.127165	5.688418
C -2.446874 2.093867 -0.089595 C -1.204256 3.958496 1.303955 C -3.675130 -0.275241 C -1.204256 3.958496 0.255477 C -2.597124 -0.642095 -0.087681 C -2.609276 1.667170 1.888213 O 0.02017 -2.312517 1.959617 C -2.448419 5.5(2760) 3.72199 O 0.049776 -3.322252 -0.125534 O -0.151086 5.482458 3.37564 C -2.549697 -2.156194 -0.018473 C -3.425497 0.427851 2.294479 O 1.328302 -2.601982 0.10757 O -3.68129 0.29314 3.75408 O -3.56739 2.83279 O.103751 O -3.665329 1.299758 4.040575 H -4.706139 -4.41641 2.444472 N -2.342116 6.454167 4.410157 H -0.93647 2.777214 2.274720 H <t.< td=""><td>Ν</td><td>-1.380034</td><td>-0.043363</td><td>0.067851</td><td></td><td>N</td><td>-2.205597</td><td>2.480726</td><td>2.895583</td></t.<>	Ν	-1.380034	-0.043363	0.067851		N	-2.205597	2.480726	2.895583
C -3.695340 1.485300 -0.275241 C -1.594548 3.11188 0.256407 C -3.771155 0.085480 -0.265776 C -2.269276 1.667170 1.888213 C 0.02011 2.221557 1.995617 C -2.494819 5.627690 3.72159 O 0.049776 3.322252 -0.125534 O 0.0151086 5.842458 3.367564 C -2.546967 -2.156144 0.004542 C -3.425497 0.427851 2.294479 O 1.233002 -2.631804 0.160375 O -3.088293 0.960616 6.470513 O -3.357339 2.832379 -0.103721 O -3.861829 -0.290314 3.575408 O -0.356739 -0.481936 -0.384158 H -2.364730 1.409335 O.211055 H -4.706193 -0.481936 -0.384158 H -2.364730 1.29579 0.162716 N -0.907711 0.330221 5.601671 <tr< td=""><td>С</td><td>-2.446874</td><td>2.093867</td><td>-0.089595</td><td></td><td>С</td><td>-1.204256</td><td>3.958496</td><td>1.303955</td></tr<>	С	-2.446874	2.093867	-0.089595		С	-1.204256	3.958496	1.303955
C -3.771155 0.085480 -0.265776 C -2.324892 1.952845 0.549070 C -0.26011 2.221557 1.966617 C -2.69276 1.667170 1.88213 C 0.026011 2.221557 1.966617 C -2.448419 5.627690 3.221959 O 0.049776 3.22252 -0.125534 O -0.151086 5.482458 3.367564 C -2.549697 -2.156194 -0.018473 C -3.45397 0.427851 2.29479 O 1.283902 -2.650892 0.148704 O -3.576349 0.299078 1.400828 O -3.56739 -3.86129 -0.299078 1.400828 -0.210557 I -0.930647 2.777214 2.274720 H -3.402230 5.07684 4.006757 I 0.01431 1.241681 2.484472 N -2.50719 1.561056 4.684571 I -0.057369 3.413048 1.548876 C 1.193033 <t< td=""><td>С</td><td>-3.695340</td><td>1.485300</td><td>-0.275241</td><td></td><td>С</td><td>-1.594548</td><td>3.111898</td><td>0.256407</td></t<>	С	-3.695340	1.485300	-0.275241		С	-1.594548	3.111898	0.256407
C -2.597124 -0.642095 -0.087681 C -2.609276 1.667170 1.88213 O 0.049776 3.322252 -0.125534 O -0.151086 5.482458 3.367564 C -2.549677 -2.51404 -0.0181087 C -3.425497 0.427851 2.294479 O 1.283902 -2.631804 0.160375 O -3.088293 0.960616 6.470513 O -1.328260 -2.600920 0.148704 O -3.576349 0.239314 3.575408 O -1.328260 -2.600920 0.140721 O -3.861829 -0.290978 1.400828 H -4.71513 -0.481936 -0.384158 H -2.324211 6.454167 4.410657 H 0.93647 2.777214 2.274720 H -3.027119 1.561056 4.660900 Ni -0.007589 3.413448 1.549876 C -1.19303 -0.948221 5.01671 I 0.04143 1.424612 1.494270	С	-3.771155	0.085480	-0.265776		С	-2.324892	1.952845	0.549070
C 0.026011 2.221557 1.969617 C 2.448439 5.627690 3.721595 0 0.049776 3.32252 -0.125534 O -0.151086 5.682458 3.367564 C 2.517027 -2.151644 0.004542 C -3.2567230 1.624591 7.454938 C 3.519144 -2.916198 -0.013721 O -3.86129 -0.299078 1.400828 0 -3.357339 -2.832379 -0.103721 O -3.86129 -0.299078 1.400828 H -4.70513 O.6316129 -0.299078 1.400828 -0.210575 H -0.01431 0.414516 -2.444472 N -2.607119 1.561056 4.400575 H -0.011431 1.24681 -2.448472 N -2.007119 1.561056 4.663010 N -0.0057369 3.413048 1.549876 C -1.193093 -0.94224 4.66312 N -0.005769 2.79272 2.256492 C -0.194080	С	-2.597124	-0.642095	-0.087681		С	-2.609276	1.667170	1.888213
0 0.049776 3.322252 0.125534 0 -0.151086 5.482488 3.367564 C 2.517027 -2.216144 0.004542 C -2.547230 1.6245911 7.454958 C -2.549697 -2.156194 -0.018473 C -3.6828233 0.960161 6.470513 0 -3.56739 -2.832379 -0.103721 O -3.861829 -0.299078 1.400828 1 -3.757549 0.299078 1.400828 1.4715617 -0.4400828 4 -4.715613 -0.340029 H -2.366430 1.249535 -0.211055 H -0.736769 -2.832379 0.162716 N -0.907711 0.330221 4.684571 C 0.057369 3.413048 -1.549876 C -1.193093 -0.948221 5.016854 V -0.06651 -1.29579 0.162716 N -0.907711 0.330221 4.684571 C 0.057369 3.413048 -1.549876 C -1.194093 -0.94	С	0.026011	2.221557	1.969617		С	-2.484819	5.627690	3.721959
C 2.517027 2.216144 0.004542 C -2.567230 1.624591 7.454958 C -2.549697 -2.156194 -0.018473 C -3.425497 0.427851 2.294479 O 1.283902 -2.651804 0.160375 O -3.08829 0.293144 3.575408 O -1.328602 -2.60082 0.144704 O -3.57549 0.293314 3.575408 O -3.567339 -2.832379 -0.103721 O -3.861829 -0.29078 1.400828 H -4.705139 -0.481936 -0.384158 H -2.324211 6.454167 4.441069 H -0.006651 -1.295779 0.162716 N -2.90719 1.561056 4.669090 Ni -0.006651 -1.295779 0.162716 N -0.907711 0.330221 4.64571 C 0.057369 3.413048 -1.549876 C -1.199039 -0.948221 5.01877 H -0.87076 2.792572 2.65649 C -1.148102 -0.97480 4.402832 H -4.302	0	0.049776	3.322252	-0.125534		0	-0.151086	5.482458	3.367564
C -2.549697 -2.156194 -0.018473 C -3.425497 0.425497 0.229479 O 1.283902 -2.631804 0.160375 O -3.088293 0.960616 6.470513 O 1.328260 -2.603892 0.148704 O -3.575549 0.293078 1.400828 H 4.715817 -0.592992 -0.340029 H -2.694730 1.249535 -0.211055 H -0.71535 O -3.61229 0.299078 1.400828 H -0.71537 0.481936 H -2.324211 6.54167 4.41069 H -0.03474 2.77720 H -3.402230 5.076854 4.004575 H 0.037369 3.413048 -1.549876 C -1.193093 -0.907711 0.30221 4.684571 H 2.436244 3.130717 -0.033868 C 1.128405 -1.580559 4.402824 H -2.43181 3.187368 -0.057452 C 0.3664700 0.57364	С	2.517027	-2.216144	0.004542		С	-2.567230	1.624591	7.454958
0 1.283902 -2.631804 0.160375 0 -3.08293 0.96016 6.470513 0 3.519144 -2.916198 -0.071535 0 -2.659809 1.387657 8.660208 0 -3.36733 -2.832379 -0.103721 0 -3.861829 0.293314 3.575408 0 -3.367339 -2.832379 -0.103721 0 -3.861829 0.293978 1.40028 H 4.71517 0.52929 -0.340029 H -2.694730 1.249535 -0.211055 H -4.706193 -0.481936 -0.384158 H -2.324211 6.454167 4.40169 H 0.011431 1.241681 2.484472 Ni -3.07711 0.33654 4.004757 C 0.057369 3.413048 1.549876 C -1.19303 -0.948221 5.01617 H -0.370769 2.799327 2.63649 C -1.148105 -1.80555 4.789043 H -6.370769 2.83727 C 1.	С	-2.549697	-2.156194	-0.018473		С	-3.425497	0.427851	2.294479
O 3.519144 -2.916198 O -2.659809 1.328260 2.660892 0.148704 0 -3.35733 -2.832379 -0.103721 O -3.861829 -0.299078 1.400828 H 4.715817 -0.592992 -0.340029 H -2.6494730 1.249535 -0.211055 H -0.01431 1.241681 2.484472 Ni -2.507119 1.561056 4.669090 Ni -0.06651 -1.29779 0.162716 N -0.907369 3.413048 -1.549876 C -1.193093 -0.948221 5.019671 Ni -0.0657369 3.413048 -1.549876 C -1.193093 -0.948221 5.019671 H -2.870769 2.709327 2.255649 C 1.128406 -1.58055 H 4.232421 5.019671 H -2.343181 3.18766 O 1.128408 -0.251259 4.42518 H -2.343181 3.18766 O C 1.114810 -0.251259 4.4204746	0	1.283902	-2.631804	0.160375		0	-3.088293	0.960616	6.470513
0 -1.328260 -2.600892 0.148704 0 -3.576549 0.299078 1.400828 0 -3.567339 -2.832379 -0.103721 0 -3.861829 -0.299078 1.400828 4 -4.715817 -0.592992 -0.340029 H -2.694730 1.249535 -0.211055 H -0.933647 2.777214 2.274720 H -3.40230 5.076854 4.004575 H -0.011431 1.241681 2.484472 Ni -2.507119 1.561056 4.666900 Ni -0.006651 -1.295779 0.162716 N -0.90711 0.330221 4.684571 C 0.05769 3.41304 -1.549876 C -1.193093 -0.948221 5.018617 H -0.870769 2.799327 2.265649 C 1.144812 -0.251259 4.42518 H -2.43181 3.187768 -0.057452 C 0.364700 0.673246 4.402832 H -2.843181 3.187568 -0.05777 <td>0</td> <td>3.519144</td> <td>-2.916198</td> <td>-0.071535</td> <td></td> <td>0</td> <td>-2.659809</td> <td>1.387657</td> <td>8.660208</td>	0	3.519144	-2.916198	-0.071535		0	-2.659809	1.387657	8.660208
0 -3.567339 -2.832379 -0.103721 0 -3.861829 -0.299078 1.249535 H 4.706193 -0.6481936 -0.384158 H -2.342211 6.454167 4.441069 H 0.0384158 H -2.32211 6.454167 4.441069 H 0.01131 1.241681 2.484472 Ni -2.507119 1.561056 4.66690 Ni -0.006551 -1.295779 0.162716 Ni -0.90740 -1.930057 5.081877 H 0.870769 2.799327 2.265649 C -1.193093 -0.948221 5.019671 H -4.667112 1.992529 -0.368255 C 1.414812 -0.251259 4.42518 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204766 C 0.064417 4.864192 -1.974627 C 1.116680 4.840491 3.305150 H -0.834708 H -0.434704 2.305729 2.33863	0	-1.328260	-2.600892	0.148704		0	-3.576549	0.293314	3.575408
H 4.715817 -0.592992 -0.340029 H -2.694730 1.249535 -0.211055 H -0.393647 2.777214 2.274720 H -3.302230 5.076854 4.004575 H 0.011431 1.241681 2.484472 Ni -2.50719 1.561056 4.669090 Ni -0.00651 -1.295779 0.162716 N -0.907711 0.330221 4.684571 C 0.057369 3.413048 -1.549876 C -1.193093 -0.948221 5.019671 H -0.870769 2.799327 2.265649 C -0.197480 -1.930757 5.081877 H -4.667112 1.992529 -0.368255 C 1.144812 -0.251259 4.442518 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.864192 -1.1974627 C 1.116680 4.84041 3.05150 H -0.834007 2.897107 -1.974627 C 1.116680 4.80431 3.305150 C 0.0626	0	-3.567339	-2.832379	-0.103721		0	-3.861829	-0.299078	1.400828
H -4.706193 -0.481936 -0.384158 H -2.324211 6.454167 4.441069 H 0.031431 1.241681 2.274720 H -3.40223 5.076854 4.004575 Ni -0.006651 -1.295779 0.162716 Ni -2.50719 1.56105 4.669090 Ni -0.057669 2.799327 2.265649 C -1.91093 -0.948221 5.019671 H 2.436294 3.130717 -0.038868 C 1.128405 -1.580559 4.789043 H -4.667112 1.992529 -0.368255 C 0.1414812 -0.251259 4.442518 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204766 C 0.064417 4.864192 -1.970507 H -2.250865 -1.159611 5.236729 C 0.076226 5.185094 -3.344453 H -0.470120 -2.336355 2.338480 C 0.07513 7.590760 -2.852434 H -1.90200 -3.336355 4.30211 C 0.06	Н	4.715817	-0.592992	-0.340029		Н	-2.694730	1.249535	-0.211055
H 0.933647 2.777214 2.274720 H -3.402230 S.076854 4.004575 H 0.011431 1.241681 2.484472 Ni -2.50719 1.561056 4.669090 C 0.006651 -1.295779 0.162716 Ni 0.0907711 0.330221 4.684571 H -0.870769 2.799327 2.265649 C -1.193033 -0.948221 5.018677 H 2.436294 3.130717 -0.033868 C 1.128405 -1.580559 4.789043 H -2.343181 3.187368 -0.057452 C 0.36470 0.673246 4.402812 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.06417 4.864192 -1.97487 H -2.615361 6.048723 2.706270 C 0.034941 2.890937 -1.979487 H -2.615361 6.048723 2.706270 C 0.076226 5.15504 -3.344453	Н	-4.706193	-0.481936	-0.384158		Н	-2.324211	6.454167	4.441069
H 0.011431 1.241681 2.484472 Ni -2.507119 1.561056 4.669090 Ni -0.006531 -1.295779 0.162716 N -0.907711 0.330221 4.669090 H -0.870769 2.799327 2.265649 C -1.193093 -0.948221 5.019671 H -0.870769 2.799327 2.265649 C -0.197480 -1.930757 5.081877 H 2.436294 3.130717 -0.033686 C 1.128405 -1.580559 4.42518 H -2.634181 3.187368 -0.057452 C 0.364700 0.673246 4.402832 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.86492 -1.974627 C 1.116680 4.804913 3.305150 H -0.834007 2.897107 -1.979487 H -2.250865 -1.159611 5.236729 C 0.06256 5.185094 -3.344453 H -1.168844 3.33766 9.006834 C 0.06570	Н	0.933647	2.777214	2.274720		Н	-3.402230	5.076854	4.004575
Ni -0.006651 -1.295779 0.162716 N -0.907711 0.330221 4.684571 C 0.057369 3.413048 -1.549876 C -1.193093 -0.948221 5.019671 H 0.870769 2.799327 2.265649 C -1.193093 -0.948221 5.019671 H 2.436294 3.130717 -0.038868 C 1.128405 -1.580559 4.789043 H -2.6343181 3.187368 -0.057452 C 0.364700 0.673246 4.402832 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.864192 -1.979487 H -2.615361 6.048723 2.706270 H 0.834007 2.890937 -1.970507 H -2.250865 -1.159611 5.236729 C 0.075246 5.185094 -3.344453 H -1.168864 3.393766 9.006834 C 0.065706 7.252688 -1.481595 H 0.990076 5.965369 5.697309 C 0.06	Н	0.011431	1.241681	2.484472		Ni	-2.507119	1.561056	4.669090
C 0.057369 3.413048 -1.549876 C -1.193093 -0.948221 5.019671 H -0.870769 2.799327 2.265649 C -0.197480 -1.930757 5.081877 H 2.436294 3.130717 -0.033868 C 1.128405 -1.580559 4.789043 H 4.2667112 1.992529 -0.368255 C 1.414812 -0.251259 4.442518 H -2.343181 3.187368 -0.057452 C 0.364700 0.673246 4.402832 C 0.064417 4.864192 -1.974627 C 1.116680 4.840491 3.305150 H 0.949441 2.89937 -1.979677 H -2.250865 -1.159611 5.236729 C 0.07513 7.590760 -2.852434 H -1.0470120 -2.353635 4.830471 C 0.065706 7.252688 -1.481595 H 0.90076 5.965369 5.697309 C 0.05776 5.690872 0.029677 H -0.64391 3.370534 -0.782936 H 0.050476<	Ni	-0.006651	-1.295779	0.162716		N	-0.907711	0.330221	4.684571
H -0.870769 2.799327 2.265649 C -0.197480 -1.930757 5.081877 H 2.436294 3.130717 -0.033868 C 1.128405 -1.580559 4.789043 H 4.657112 1.992529 -0.368255 C 1.414812 -0.251259 4.442518 H -2.343181 3.187368 -0.057452 C 0.364700 0.673246 4.402832 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.864192 -1.97627 C 1.15681 6.048723 2.706270 H -0.834007 2.897107 -1.979487 H -2.615361 6.048723 2.706270 C 0.065264 5.20403 -3.372495 H 1.930020 -2.333635 4.830241 C 0.065706 7.252688 1.481595 H 0.90007 5.965369 5.697309 C 0.050476 5.690872 0.029677 H 0.064391 4.895136 1.107466 H 0.050476	С	0.057369	3.413048	-1.549876		С	-1.193093	-0.948221	5.019671
H 2.436294 3.130717 -0.033868 C 1.128405 -1.580559 4.789043 H 4.667112 1.992529 -0.368255 C 1.414812 -0.251259 4.442518 H -2.343181 3.187368 -0.057452 C 0.364700 0.673246 4.402837 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.864192 -1.974627 C 1.116860 4.840491 3.305150 H -0.834007 2.897107 -1.979487 H -2.615361 6.048723 2.706270 H 0.949441 2.890937 -1.970507 H -2.250865 -1.158061 5.236729 C 0.065706 7.252688 -1.481595 H 0.990076 5.963736 9.006834 C 0.065706 7.252688 -1.481595 H 0.090076 5.963769 5.697309 C 0.05076 7.252688 -1.481595 H 0.090076 5.963769 5.697309 H 0.050476 <td>Н</td> <td>-0.870769</td> <td>2.799327</td> <td>2.265649</td> <td></td> <td>С</td> <td>-0.197480</td> <td>-1.930757</td> <td>5.081877</td>	Н	-0.870769	2.799327	2.265649		С	-0.197480	-1.930757	5.081877
H 4.667112 1.992529 -0.368255 C 1.414812 -0.251259 4.422518 H -2.343181 3.187368 -0.057452 C 0.364700 0.673246 4.402832 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.864192 -1.974627 C 1.116680 4.840491 3.305150 H 0.949441 2.897107 -1.979487 H -2.615361 6.048723 2.706270 H 0.949441 2.890937 -1.970507 H -2.615361 6.048723 2.706270 C 0.07526 5.185094 -3.34453 H -0.470120 -2.959372 5.35840 C 0.065706 7.252688 -1.415816 1.00766 5.965369 5.697309 C 0.055290 5.920239 -1.045234 H 0.137999 5.454109 8.165087 H 0.050476 5.690872 0.029677 H -0.640391 4.895136 1.107466 H 0.0504679 1.72824	Н	2.436294	3.130717	-0.033868		С	1.128405	-1.580559	4.789043
H -2.343181 3.187368 -0.057452 C 0.034700 0.673246 4.402832 H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.864192 -1.974627 C 1.116680 4.840491 3.305150 H -0.834007 2.897107 -1.979487 H -2.615361 6.048723 2.706270 H 0.949441 2.890937 -1.970507 H -2.250865 -1.159611 5.236729 C 0.065264 6.520403 -3.772495 H 1.930020 -2.333635 4.830241 C 0.065706 7.252688 -1.481595 H 0.090076 5.956369 5.697309 C 0.055047 5.900872 -0.72200 H -0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.72200 H -0.540679 1.728240 4.136906 H 0.091759 6.720414 -4.85707 H 0.540679 1.728240 4.136906 H 0.080629 <td>Н</td> <td>4.667112</td> <td>1.992529</td> <td>-0.368255</td> <td></td> <td>С</td> <td>1.414812</td> <td>-0.251259</td> <td>4.442518</td>	Н	4.667112	1.992529	-0.368255		С	1.414812	-0.251259	4.442518
H -4.596440 2.101702 -0.412700 H 2.438789 0.071804 4.204746 C 0.064417 4.864192 -1.974627 C 1.116680 4.840491 3.305150 H 0.834007 2.897107 -1.979487 H -2.615361 6.048723 2.706270 H 0.949441 2.890937 -1.970507 H -2.25085 -1.159611 5.236729 C 0.076226 5.185094 -3.344453 H -0.470120 -2.959372 5.358480 C 0.065706 7.252688 1.481595 H 0.900076 5.965369 5.697309 C 0.05706 7.25268 1.481595 H 0.030769 5.454109 8.165087 H 0.050476 5.690872 0.029677 H 0.664391 4.895136 1.107466 H 0.081559 8.050087 -0.722200 H 1.33910 3.370534 -0.782936 C 0.081629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.080629	Н	-2.343181	3.187368	-0.057452		С	0.364700	0.673246	4.402832
C 0.064417 4.864192 -1.974627 C 1.116680 4.840491 3.305150 H -0.834007 2.897107 -1.979487 H -2.615361 6.048723 2.706270 C 0.076226 5.185094 -3.344453 H -0.470120 -2.959372 5.358480 C 0.082564 6.520403 -3.772495 H 1.930020 -2.333635 4.830241 C 0.065706 7.252688 -1.415955 H 0.090076 5.965369 5.697309 C 0.059200 5.20239 -1.045234 H 0.137999 5.454109 8.165087 H 0.050476 5.690872 0.029677 H -0.664391 4.895136 1.107466 H 0.061559 8.05087 -0.722200 H -1.339140 3.370534 -0.782936 C 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.080629 4.379227 -4.097028 C 3.097470 2.596364 C 0.101077 9.225464	Н	-4.596440	2.101702	-0.412700		Н	2.438789	0.071804	4.204746
H -0.834007 2.897107 -1.979487 H -2.615361 6.048723 2.706270 H 0.949441 2.890937 -1.970507 H -2.252865 -1.159611 5.236729 C 0.076226 5.185094 -3.344453 H -0.470120 -2.959372 5.358480 C 0.082564 6.520403 -3.772495 H 1.930020 -2.333635 4.830241 C 0.065706 7.252688 -1.481595 H 0.090076 5.965369 5.697309 C 0.059290 5.920239 -1.045234 H 0.137999 5.454109 8.165087 H 0.050476 5.690872 0.029677 H 0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.030158 8.050087 -3.272152 C 3.590763 2.726461 C 0.101077 9.225464 </td <td>С</td> <td>0.064417</td> <td>4.864192</td> <td>-1.974627</td> <td></td> <td>С</td> <td>1.116680</td> <td>4.840491</td> <td>3.305150</td>	С	0.064417	4.864192	-1.974627		С	1.116680	4.840491	3.305150
H 0.949441 2.890937 -1.970507 H -2.250865 -1.159611 5.236729 C 0.076226 5.185094 -3.344453 H -0.470120 -2.959372 5.358480 C 0.082564 6.520403 -3.772495 H 1.930020 -2.33635 4.830241 C 0.065706 7.252688 -1.481595 H 0.090076 5.965369 5.697309 C 0.059290 5.920239 -1.045234 H 0.137999 5.454109 8.165087 H 0.050476 5.690872 0.029677 H 0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.78236 H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.101077 9.225464 -4.819117 H 1.393275 4.418827 4.302034 H 0.105248	Н	-0.834007	2.897107	-1.979487		H	-2.615361	6.048723	2.706270
C 0.076226 5.185094 -3.344453 H -0.470120 -2.959372 5.358480 C 0.082564 6.520403 -3.772495 H 1.300020 -2.333635 4.830241 C 0.07513 7.590760 -2.852434 H -1.168864 3.333766 9.006834 C 0.055706 7.252688 -1.481595 H 0.090076 5.965369 5.697309 C 0.050476 5.690872 0.029677 H -0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.068629 4.379227 -4.097028 C 2.173202 5.826615 2.88058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 C 0.101077 9.225464 -4.819117 H 1.393275 4.41827 4.302034 H 0.005248 10.301088 -5.088191 C 4.216898 7.647524 2.013341 C 0.11077	Н	0.949441	2.890937	-1.970507		H	-2.250865	-1.159611	5.236729
C 0.082564 6.520403 -3.772495 H 1.930020 -2.333635 4.830241 C 0.077513 7.590760 -2.852434 H -1.168864 3.393766 9.006834 C 0.065706 7.252688 -1.481595 H 0.090076 5.965369 5.697309 C 0.059290 5.920239 -1.045234 H 0.137999 5.454109 8.165087 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.080426 9.070167 -3.287153 H 1.085052 3.977470 2.596364 L 1.003513 8.767536 -5.272652 C 3.509363 5.407263 2.726461 H 0.105248 10.301088 -5.088191 C 4.216898 7.647524 2.013341 C -1.184239 <td>С</td> <td>0.076226</td> <td>5.185094</td> <td>-3.344453</td> <td></td> <td>H</td> <td>-0.470120</td> <td>-2.959372</td> <td>5.358480</td>	С	0.076226	5.185094	-3.344453		H	-0.470120	-2.959372	5.358480
C 0.07/513 7.590/60 -2.852434 H -1.168864 3.393/66 9.006834 C 0.065706 7.252688 -1.481595 H 0.090076 5.965369 5.697309 C 0.059290 5.920239 -1.045234 H 0.137999 5.454109 8.165087 H 0.050476 5.690872 0.029677 H -0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 H 1.003513 8.76756 -5.272652 C 3.509363 5.407263 2.726401 H 0.105248 10.301088 -5.088191 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -1.23737	C	0.082564	6.520403	-3.772495		H	1.930020	-2.333635	4.830241
C 0.065706 7.252688 -1.481595 H 0.090076 5.965369 5.697309 C 0.059290 5.920239 -1.045234 H 0.137999 5.454109 8.165087 H 0.050476 5.690872 0.029677 H -0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 C 0.101077 9.225464 -4.819117 H 1.393275 4.418827 4.302034 H 0.00513 8.767536 -5.272652 C 3.509363 5.407263 2.726461 H 0.105248 10.301088 -5.088191 C 2.871674 8.053656 2.150640 H -1.184239	C	0.077513	7.590760	-2.852434		н	-1.168864	3.393766	9.006834
C 0.059290 5.920239 -1.045234 H 0.137999 5.454109 8.165087 H 0.050476 5.690872 0.029677 H -0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 C 0.101077 9.225464 -4.819117 H 1.393275 4.418827 4.302034 H 0.005248 10.301088 -5.088191 C 4.509240 6.299598 2.312592 H -0.792554 8.769918 -5.292083 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.056227 2.950388 H -1.237337 <td>C</td> <td>0.065706</td> <td>7.252688</td> <td>-1.481595</td> <td></td> <td>н</td> <td>0.090076</td> <td>5.965369</td> <td>5.69/309</td>	C	0.065706	7.252688	-1.481595		н	0.090076	5.965369	5.69/309
H 0.050476 5.690872 0.029677 H -0.664391 4.895136 1.107466 H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 C 0.101077 9.225464 -4.819117 H 1.393275 4.418827 4.302034 H 0.005248 10.301088 -5.088191 C 4.509240 6.299598 2.312592 H -0.792554 8.769918 -5.292083 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.193923 <td>C</td> <td>0.059290</td> <td>5.920239</td> <td>-1.045234</td> <td></td> <td>н</td> <td>0.137999</td> <td>5.454109</td> <td>8.165087</td>	C	0.059290	5.920239	-1.045234		н	0.137999	5.454109	8.165087
H 0.061559 8.050087 -0.722200 H -1.339140 3.370534 -0.782936 H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 C 0.101077 9.225464 -4.819117 H 1.393275 4.418827 4.302034 H 0.05524 10.301088 -5.088191 C 4.509240 6.299598 2.312592 H -0.792554 8.769918 -5.292083 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 <td>H</td> <td>0.050476</td> <td>5.690872</td> <td>0.029677</td> <td></td> <td>н</td> <td>-0.664391</td> <td>4.895136</td> <td>1.10/466</td>	H	0.050476	5.690872	0.029677		н	-0.664391	4.895136	1.10/466
H 0.091759 6.720414 -4.852707 H 0.540679 1.728240 4.136906 H 0.080629 4.379227 -4.097028 C 2.173202 5.826615 2.858058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 C 0.101077 9.225464 -4.819117 H 1.393275 4.418827 4.302034 H 1.003513 8.767536 -5.272652 C 3.509363 5.407263 2.726461 H 0.105248 10.301088 -5.088191 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912	н	0.061559	8.050087	-0.722200		н	-1.339140	3.370534	-0./82936
H 0.080629 4.379227 -4.097028 C 2.173202 5.826613 2.858058 C 0.084262 9.070167 -3.287153 H 1.085052 3.977470 2.596364 C 0.101077 9.225464 -4.819117 H 1.393275 4.418827 4.302034 H 1.003513 8.767536 -5.272652 C 3.509363 5.407263 2.726461 H 0.105248 10.301088 -5.088191 C 4.509240 6.295958 2.312592 H -0.792554 8.769918 -5.292083 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.371190	н	0.091759	6.720414	-4.852707		H C	0.540679	1.728240	4.136906
C0.0842629.070167-3.287153H1.0850523.9774702.596364C0.1010779.225464-4.819117H1.3932754.4188274.302034H1.0035138.767536-5.272652C3.5093635.4072632.726461H0.10524810.301088-5.088191C4.5092406.2995982.312592H-0.7925548.769918-5.292083C4.2168987.6475242.013341C-1.1842399.768763-2.741234C2.8716748.0536562.150640H-2.1035539.294890-3.141622C1.8668077.1677282.563936H-1.19392310.838911-3.035679H3.7812904.3622272.950388H-1.2373379.725649-1.634981H5.5382035.9248782.224527C1.3425489.765311-2.713764H0.8283487.5137842.662544H1.36191210.835248-3.008380H2.5903039.0950221.929540H2.2690699.288461-3.093434C5.2879358.6567211.553330H1.3711909.722771-1.606581C6.6901258.0239381.479332H7.4276938.7829111.148634H6.7300447.1861460.753831C5.3401639.8388532.550783H5.6053969.4902143.569606	H C	0.080629	4.379227	-4.097028			2.173202	5.820015	2.858058
C 0.101077 9.223404 -4.819117 H 1.393275 4.418827 4.302034 H 1.003513 8.767536 -5.272652 C 3.509363 5.407263 2.726461 H 0.105248 10.301088 -5.088191 C 4.509240 6.299598 2.312592 H -0.792554 8.769918 -5.292083 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.193923 10.838911 -3.035679 H 3.781290 4.362227 2.950388 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 </td <td>c</td> <td>0.084262</td> <td>9.070167</td> <td>-3.28/153</td> <td></td> <td>H 11</td> <td>1.085052</td> <td>3.977470</td> <td>2.590304</td>	c	0.084262	9.070167	-3.28/153		H 11	1.085052	3.977470	2.590304
H 1.003313 8.787336 -5.272632 C 3.509363 5.407263 2.726461 H 0.105248 10.301088 -5.088191 C 4.509240 6.299598 2.312592 H -0.792554 8.769918 -5.292083 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.193923 10.838911 -3.035679 H 3.781290 4.362227 2.950388 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 </td <td></td> <td>0.101077</td> <td>9.225464</td> <td>-4.819117</td> <td></td> <td>н с</td> <td>1.393275</td> <td>4.418827</td> <td>4.302034</td>		0.101077	9.225464	-4.819117		н с	1.393275	4.418827	4.302034
H 0.105248 10.301088 -5.088191 C 4.509240 6.299598 2.312592 H -0.792554 8.769918 -5.292083 C 4.216898 7.647524 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.193923 10.838911 -3.035679 H 3.781290 4.362227 2.950388 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.427693 </td <td></td> <td>1.003513</td> <td>8.707530</td> <td>-5.2/2052</td> <td></td> <td></td> <td>3.509303</td> <td>5.407203</td> <td>2.720401</td>		1.003513	8.707530	-5.2/2052			3.509303	5.407203	2.720401
H -0.792534 8.789918 -5.292083 C 4.216898 7.647324 2.013341 C -1.184239 9.768763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.193923 10.838911 -3.035679 H 3.781290 4.362227 2.950388 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 <td>н</td> <td>0.105248</td> <td>10.301088</td> <td>-5.088191</td> <td></td> <td>C C</td> <td>4.509240</td> <td>0.299598</td> <td>2.312592</td>	н	0.105248	10.301088	-5.088191		C C	4.509240	0.299598	2.312592
C -1.184239 9.788763 -2.741234 C 2.871674 8.053656 2.150640 H -2.103553 9.294890 -3.141622 C 1.866807 7.167728 2.563936 H -1.193923 10.838911 -3.035679 H 3.781290 4.362227 2.950388 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606	п С	-0.792554	0.709918	-5.292083		c c	4.210898	7.047524	2.013341
H -2.103333 9.294890 -5.141022 C 1.866807 7.167726 2.363936 H -1.193923 10.838911 -3.035679 H 3.781290 4.362227 2.950388 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606	с u	-1.104259	9.706705	-2.741254			2.071074	0.055050 7 167720	2.150040
H -1.13323 10.383911 -5.053079 H 5.781250 4.362227 2.950388 H -1.237337 9.725649 -1.634981 H 5.538203 5.924878 2.224527 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606		-2.103553	9.294890	-3.141022		с u	1.800807	/.10//28	2.303930
In -1.25737 5.725043 -1.034381 In 5.538203 5.524878 2.224327 C 1.342548 9.765311 -2.713764 H 0.828348 7.513784 2.662544 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606	н	-1.193923	0 7256/0	-1 63/081		н Н	5 5 2 8 2 0 2	5 02/2227	2.930366
H 1.342548 5.705311 42.715704 H 0.825346 7.513764 2.002344 H 1.361912 10.835248 -3.008380 H 2.590303 9.095022 1.929540 H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606	C	1 2/25/33/	9.723049	-1.034381		н Н	0.828203	7 51278/	2.224327
H 2.269069 9.288461 -3.093434 C 5.287935 8.656721 1.553330 H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.025910 7.643377 2.465388 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606	н	1 361912	10 8352/18	-3 008380		н	2 200340	9 095022	1 9795/0
H 1.371190 9.722771 -1.606581 C 6.690125 8.023938 1.479332 H 7.025910 7.643377 2.465388 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606	н	2 269069	9 288/61	-3 003300		r r	5 287925	8 656721	1 552320
H 7.025910 7.643377 2.465388 H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606	н	1.371190	9,722771	-1.606581		c C	6.690125	8.023938	1.479332
H 7.427693 8.782911 1.148634 H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606		1.07 1100	J./ L L// L	1.000001		Ĥ	7.025910	7,643377	2.465388
H 6.730044 7.186146 0.753831 C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606						H	7.427693	8.782911	1.148634
C 5.340163 9.838853 2.550783 H 5.605396 9.490214 3.569606						H	6.730044	7.186146	0.753831
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H H H	-0.680194 -1.397889 -2.354718	1.737543 6.488462 5.133143	-3.164331 2.042842 1.334549
H H H Ni	-0.680194 -1.397889 -2.354718 -1.581122	1.737543 6.488462 5.133143 1.704928	-3.164331 2.042842 1.334549 1.686148
H H Ni N	-0.680194 -1.397889 -2.354718 -1.581122 0.185694	1.737543 6.488462 5.133143 1.704928 0.479838	-3.164331 2.042842 1.334549 1.686148 1.777210
H H Ni N	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084	1.737543 6.488462 5.133143 1.704928 0.479838	-3.164331 2.042842 1.334549 1.686148 1.777210 1 987321
H H Ni C	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321
H H Ni C C	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570
U H H Ni C C C	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037
H H Ni C C C	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037
О Н Н Н N N C C C C	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446
оннн х госос	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066
0 Н Н Н N С С С С С С С	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066
О Н Н Н N N C C C C H	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598
онннёгосссно	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668
О Н Н Н NI N С С С С С Н С	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6 289021	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668
О Н Н Н N N C C C C C H C H	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918
ОНННЙ РСССССНСНН	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287
О Н Н Н Й Р С С С С С С Н С Н Н Н	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2 832040	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501
О Н Н Н Й Р С С С С С С Н С Н Н Н	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501
О Н Н Н Й М С С С С С Н С Н Н Н Н	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562
ОНННЙ МСССССНСНННН	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107
онннё гососононнннн:	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107
О Н Н Н Й Р С С С С С Н С Н Н Н Н Н Н	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848
оннн й лососононннннн	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154
оннг й гососононннннн .	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.606722	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154
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оннн й лссссснсннннннн	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704
Оннн й лососононннннннн.	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412 1.506402	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704
О म म म 🗵 Z С С С С С	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412 1.596400	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356 1.977985	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704 1.447797
оннн й лососононн н н н н н н н л	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412 1.596400 -3.535925	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356 1.977985 2.577295	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704 1.447797 1.648056
оннн й лососононнннннннн н	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412 1.596400 -3.535925 -4.127228	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356 1.977985 2.577295 2.978011	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704 1.648056 2.791962
оннн й лососононнннннннн н ло	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412 1.596400 -3.535925 -4.127738	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356 1.977985 2.577295 2.978011	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704 1.447797 1.648056 2.791862
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оннн й лососононн н н н н н н н лосс	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412 1.596400 -3.535925 -4.127738 -5.456275 -6 208898	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356 1.977985 2.577295 2.978011 3.419166 3.441354	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704 1.447797 1.648056 2.791862 2.843301 1.660277
оннн й лососононннннннн н н госос	-0.680194 -1.397889 -2.354718 -1.581122 0.185694 -0.048084 0.989596 2.312598 2.550767 1.454193 3.570175 2.218653 -1.491120 -1.103508 0.753024 3.148054 -0.228437 0.978668 0.972163 0.686708 0.466412 1.596400 -3.535925 -4.127738 -5.456275 -6.208898 5.506452	1.737543 6.488462 5.133143 1.704928 0.479838 -0.832285 -1.772373 -1.338418 0.026559 0.897547 0.416817 5.176558 6.288021 -1.114030 -2.832040 -2.054141 2.826981 5.924526 5.065200 5.418816 4.047356 1.977985 2.577295 2.978011 3.419166 3.441354	-3.164331 2.042842 1.334549 1.686148 1.777210 1.987321 2.045570 1.880037 1.661446 1.618066 1.525598 1.085668 0.251918 2.115287 2.219501 1.920562 6.292107 3.447848 5.816154 -1.234520 -3.337704 1.447797 1.648056 2.791862 2.843301

С	-4.262079	2.593510	0.511788				
Н	-3.513747	2.928295	3.702450				
Н	-7.257593	3.776061	1.665960				
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Н	2.326967	4.456234	0.239434				
Н	2.400805	4.590961	2.018687				
С	4.625198	5.918939	0.936232				
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Н	4.923805	4.859729	1.007295				
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С	7.790251	8.815975	0.619677				
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Н	8.012642	8.271885	1.560100				
Н	8.521462	9.645241	0.535336				
С	6.146805	10.142775	-0.723813				
Н	6.894822	10.956306	-0.827986				
Н	5.140351	10.603374	-0.781394				
Н	6.256090	9.462724	-1.593072				
С	6.213022	10.365237	1.792024				
Н	6.969173	11.174173	1.716596				
Н	6.360742	9.846624	2.761127				
н	5.213128	10.842761	1.814851				
S1.1	LO.20 Bis(ca	arboxylato)-su	bstituted nic	kel(II) dipyridylm	ethane with	^t Bu ₂ BnO-substit	uent 1d
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1d				Н	1.368248	10.110781	0.183736
С	1.456459	1.225400	-2.764285	Н	-0.360537	9.667607	0.052269
С	1.212484	1.926914	-3.961019	Н	0.755386	8.627757	0.988905
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С	1.206805	-0.812935	-3.913536	Н	2.770243	7.387832	-1.989978
С	1.898806	2.022558	-1.523826	Н	2.618667	7.313896	-0.202514
С	1.641985	1.384436	-0.146529				
Ν	1.442854	-0.128526	-2.756048				
Ν	1.649635	0.039118	0.008615	10	l(py), ^t Bu₂BnO-	side coordination	
С	1.556174	2.224282	0.980840	C	-1.347413	4.233130	5.720291
С	1.470573	1.675325	2.267359	C	-0.675234	5.103060	6.604557
С	1.498513	0.280960	2.409256	C	-0.684378	4.836003	7.981147
С	1.592178	-0.501412	1.261038	C	-1.384189	3.719838	8.457533
С	3.428141	2.227474	-1.644146	C	-2.023019	2.890796	7.529865
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С	1.281578	-2.319734	-3.761599	C	-1.733129	3.601008	3.141566
С	1.668437	-2.015795	1.280685	N	-1.986055	3.144656	6.197868
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0	1.739667	-2.518535	0.072543	C	-1.756841	3.065206	0.769512
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н	0.770034	-0.803803	-6.004181	C	-2.787723	1.633187	2.402399
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Ni	1.640102	-1.278405	-1.306355	C	-3.602013	0.393410	2.811015
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Н	1.569910	3.311769	0.823861	Н	-2.837885	1.190397	0.307121
Н	1.395611	2.333775	3.145815	Н	-2.576470	6.448786	4.905055
С	-0.512813	4.878401	-1.465608	H	-3.636512	5.057372	4.468934
Н	-0.446918	2.922797	-0.543408	N	-2.729128	1.562075	5.185733
Н	-0.571924	2.892788	-2.321984	N	-1.122075	0.341988	5.242158
С	-1.885973	5.175368	-1.557285	C	-1.405207	-0.933888	5.588768
С	-2.344815	6.504851	-1.529835	C	-0.404986	-1.909505	5.679144
С	-1.378366	7.526901	-1.410265	C	0.923334	-1.554943	5.403017
С	0.003078	7.266701	-1.320899	C	1.207403	-0.228350	5.044431
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Н	1.485387	5.658552	-1.296102	H	2.233115	0.098050	4.818987
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н	-2.601063	4.344962	-1.653046	Н	-2.839729	6.022077	3.170936
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С	-4.738159	5.628308	-1.772572	Н	-0.675970	-2.936217	5.964321
н	-4.501692	5.052159	-2.690296	Н	1.728608	-2.302561	5.466453
Н	-5.800589	5.937803	-1.841477	H	-1.468133	3.453669	9.521180
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Н	-5.335824	7.908253	-0.394009	Н	-0.850450	4.864072	1.614161
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Н	-4.118723	6.994326	0.557708	Н	0.326917	1.741844	4.700065
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Н	-5.140231	8.060153	-2.938269	Н	0.879595	3.978155	3.142173
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Н	-3.483264	8.719350	-2.793975	C	3.273113	5.384453	3.214511
С	0.998336	8.440044	-1.193636	C	4.295685	6.258771	2.803020
С	0.875563	9.353295	-2.436968	C	3.946717	7.606405	2.567299
Н	1.112487	8.795704	-3.365924	C	2.636089	8.095990	2.727831
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С	0.668078	9.255924	0.079019	Н	4.733512	8.304811	2.243080

н	0.601913	7.509678	3.282585
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С	5.942713	4.301355	2.910472
н	5.324415	3.661270	2.248661
н	7.001988	4.014646	2.751288
н	5.688513	4.059695	3.962600
С	6.172578	6.046705	1.133140
н	5.529866	5.473591	0.434242
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С	6.681002	6.606353	3.543718
н	7.737375	6.292176	3.411648
н	6.405929	6.447425	4.606268
Н	6.628742	7.694982	3.342239
С	2.333574	9.583646	2.448655
С	3.208688	10.467238	3.369433
Н	4.290782	10.293943	3.204019
Н	3.009051	11.542266	3.178728
Н	2.994814	10.262971	4.438316
С	2.658102	9.902237	0.969455
Н	2.038874	9.287698	0.284643
Н	2.455040	10.971045	0.749390
Н	3.722092	9.706933	0.727431
С	0.855907	9.935279	2.705436
Н	0.171941	9.357363	2.051491
Н	0.562442	9.750243	3.758697
Н	0.683871	11.010716	2.497236
1d	(py), Me-side co	ordination	4 700004
C	-1.826154	-0.02/332	1.708264
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C	-2.651938	0.307955	2.800946
C C	-2.651938 -2.074834	0.307955 0.598928	2.800946 4.045549
C C C C	-2.651938 -2.074834 -0.682446	0.307955 0.598928 0.548164	2.800946 4.045549 4.179385 2.066851
	-2.651938 -2.074834 -0.682446 0.078632	0.307955 0.598928 0.548164 0.172783	2.800946 4.045549 4.179385 3.066851
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933	0.307955 0.598928 0.548164 0.172783 -0.406207	2.800946 4.045549 4.179385 3.066851 0.366999
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270
C C C C C N N C	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2 113044
с с с с с с с N N с с	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1 767759	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3 328745
C C C C C C N N C C C	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.37550	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3 359083
C C C C C C N N C C C C	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0 285259	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2 168586
C C C C C C N N C C C C C	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1 920581	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503
CCCCCNNCCCCO	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162
C C C C C N N C C C C C C C	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645
C C C C C N N C C C C O C C	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417
	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380
C C C C C Z Z C C C C C C C C C C C C C	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503
С С С С С С С С С С С С С С С С С С С	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703
с с с с с с	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062
с с с с с с	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845 -3.805442	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817 1.653333	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062 0.241729
сососии и и и и и и и и и и и и и и и и	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845 -3.805442 -3.348351	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817 1.653333 -2.220004	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062 0.241729 -0.504714
сососии и и и и и и и и и и и и и и и и	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845 -3.805442 -3.348351 -0.143113	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817 1.653333 -2.220004 0.772832	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062 0.241729 -0.504714 5.111015
с ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845 -3.805442 -3.348351 -0.143113 -3.741163	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817 1.653333 -2.220004 0.772832 0.323696	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062 0.241729 -0.504714 5.111015 2.660006
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сососии и и и и и и и и и и и и и и и и	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845 -3.805442 -3.348351 -0.143113 -3.741163 -2.715857 -3.538826	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817 1.653333 -2.220004 0.772832 0.323696 0.862792 0.270946	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062 0.241729 -0.504714 5.111015 2.660006 4.901038 -2.059323
с ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845 -3.805442 -3.348351 -0.143113 -3.741163 -2.715857 -3.538826 -2.332307	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817 1.653333 -2.220004 0.772832 0.323696 0.862792 0.270946 0.583718	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062 0.241729 -0.504714 5.111015 2.660006 4.901038 -2.059323 -4.243181
ооооогии и и и и и и и и и и и и и и и и	-2.651938 -2.074834 -0.682446 0.078632 -2.499933 -1.719137 -0.489645 -0.379392 -2.445972 -1.767759 -0.375650 0.285259 -2.801505 -3.780548 1.609643 1.811307 2.161863 2.160991 2.273035 2.444515 0.237931 -3.423632 -1.855405 0.936845 -3.805442 -3.348351 -0.143113 -3.741163 -2.715857 -3.538826 -2.332307 0.980384	0.307955 0.598928 0.548164 0.172783 -0.406207 -0.128090 -0.118948 -0.288822 0.175192 0.344121 0.205034 -0.116325 -1.920581 0.227115 0.055904 -0.294769 -0.353332 0.341999 -0.590130 -0.155106 0.327151 -2.153344 -2.490672 -0.675817 1.653333 -2.220004 0.772832 0.323696 0.862792 0.270946 0.583718 -2.684557	2.800946 4.045549 4.179385 3.066851 0.366999 -0.943108 1.870270 -0.998701 -2.113044 -3.328745 -3.359083 -2.168586 0.410503 0.290162 3.145645 -2.125351 2.047806 4.210188 -0.951168 -3.173417 -4.263380 1.296503 0.470703 0.517062 0.241729 -0.504714 5.111015 2.660006 4.901038 -2.059323 -4.243181 0.667860

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С	4.358717	6.377016	2.847661	н	-2.030242	-2.647390	0.378935
С	3.979470	7.712329	2.589460	Ni	0.813036	-0.756420	0.681418
Ċ	2.656775	8.173324	2.735177	С	-3.765535	1.555562	-0.216339
Ċ	1.680272	7.247667	3.158997	- H	-3.397467	-2.359319	-0.758948
н	3 601448	4 434029	3 477874	н	-0 796608	0 519519	5 150908
н	4 751779	8 424068	2 259304	н	-4 057001	0 297337	2 242077
н	0.633944	7 5/19//7	3 288225	н	-3 30/7/0	0.257337	1 601091
Ċ	5 820207	5 9/852/	2 661109	н	-2 277012	-0.062344	-2 424038
c	6.040207	1 450410	2.004403	н Ц	1 995400	0.002344	-2.424038
	0.049294	4.439410	2.990004		-1.003400	0.040402	-4.400400
	5.451433	3.797917	2.330032	L U	-5.140481	2.103013	-0.500837
	7.110120	4.195349	2.842741	п	-3.059875	1.80/51/	-1.022078
	5.792020	4.222555	4.042420	н	-3.374054	2.005018	0.726729
С 	6.254788	6.191165	1.196218	l	-5.293243	3.493323	-0.679686
н	5.632425	5.595417	0.497824	C	-6.551361	4.062531	-0.94/1/4
н	7.314824	5.898003	1.046441	C	-7.547873	1.795954	-0.866976
н	6.158005	7.256847	0.907820	C	-7.657984	3.190019	-1.034216
С	6.727379	6.788281	3.605158	Н	-4.401411	4.132939	-0.603232
Н	7.792379	6.500282	3.483717	C	-6.268310	1.264686	-0.601057
Н	6.448450	6.631216	4.666979	Н	-6.120239	0.186890	-0.463426
Н	6.648427	7.873435	3.393669	Н	-8.649629	3.619917	-1.244085
С	2.321573	9.648963	2.430653	C	-6.754418	5.578792	-1.150554
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Н	4.257658	10.416891	3.183458	Н	-4.683448	6.057915	-1.752538
Н	2.947000	11.634054	3.134132	Н	-4.994989	6.250415	0.005809
Н	2.957290	10.373474	4.412550	Н	-5.630992	7.449534	-1.155594
С	2.646647	9.951458	0.948173	С	-7.314821	5.831304	-2.570821
н	2.045481	9.311889	0.270200	Н	-6.612846	5.463738	-3.346772
н	2.420642	11.011667	0.709517	н	-7.472586	6.917187	-2.737863
н	3.716063	9.776570	0.714824	Н	-8.287211	5.323367	-2.729868
С	0.834799	9.970522	2.674275	С	-7.757711	6.108559	-0.098327
H	0.167903	9.366457	2.026278	Н	-8.745224	5.612163	-0.179516
н	0.540060	9.795626	3.728975	н	-7.380349	5.941755	0.931099
Н	0.638958	11.038197	2.447880	Н	-7.919133	7.198477	-0.232079
C	-0 487954	0 104887	5 255751	C C	-8 805735	0 908680	-0 981703
C.	-1 414184	-1 409792	5 763567	C C	-9 841839	1 347097	0.080712
CI	-0 3322/13	-2 7772/10	5 986683	е н	-10 759067	0 726397	0.006886
н	-2 139066	-1 58/09/	4 948015	н	-9/133353	1 23/1910	1 105713
н	-2.133000	-1.384034	6 702514	н Н	-10 1/12258	2 /05966	-0.046684
	-1.922930	-1.125475	0.702514		0 417227	1 060225	2 204112
					-9.41/25/	1.009555	-2.594115
1	dama) NGa aida			п	-8.090840	0.757685	-3.177072
10(acm), ivie-side	coordination	1 520002	н	-10.327686	0.442607	-2.495965
C	-2.054461	-0.145930	1.538802	H	-9.707221	2.118551	-2.602287
C	-2.996808	0.225734	2.520379	C .	-8.489583	-0.582485	-0.759650
C	-2.5/2010	0.477284	3.832318	н	-9.419205	-1.180327	-0.849543
C	-1.214014	0.347596	4.148318	Н	-8.069422	-0.771505	0.248966
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С	-2.576576	-0.541806	0.135113	Cl	0.947526	-3.202730	0.939881
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Ν	-0.752680	-0.277189	1.867551	Cl	3.427103	-4.775030	1.459833
Ν	-0.310423	-0.520241	-0.983969	Н	2.910320	-2.516972	2.097353
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С	-0.043130	-0.272332	-3.365760				
С	0.480040	-0.475555	-2.085281	1d	(dcm)₂		
С	-2.940187	-2.043616	0.198712	C	-0.063536	4.495694	2.664793
0	-3.811846	0.133099	-0.111646	С	0.531816	5.258238	3.692071
С	1.168180	-0.214372	3.401909	С	0.470092	4.807394	5.017303
С	1.983540	-0.676713	-1.857698	С	-0.195091	3.608150	5.300992
0	1.858670	-0.520609	2.341917	C	-0.762916	2.897800	4.239147
0	1.587296	-0.060118	4.547191	C	-0.115044	5.109205	1.242977
0	2.313857	-0.797993	-0.604639	C	-0.211366	4.178045	0.007827
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Ν	-0.692099	3.339954	2.959211	
Ν	-0.817629	2.975255	0.066813	
С	0.232269	4.685523	-1.231939	
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Ċ	-0 587007	2 686546	-2 313652	
ĉ	-1 005/82	2 230680	-1.056782	
c	1 250216	6.027964	1 207019	
C	-1.359210	0.027804	1.20/018	
0	1.001113	5.987010	1.074890	
C	-1.508248	1.579354	4.475710	
С	-1.711083	0.888723	-0.890793	
0	-1.934400	1.006592	3.384970	
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н	-0.780708	2.035608	-3.178258	
Н	-1.295501	6.774202	2.022398	
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Ni	-1 438684	1 958573	1 693276	
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C	2 203/07	5 383700	1.011014	
ц	1 100126	6 556022	0.225267	
и П	-1.409420	0.JJ002J	6 211707	
	-0.501195	5.100051	0.511767	
н	1.025349	6.205391	3.435145	
н	0.934828	5.398400	5.821496	
н	0.708592	5.675016	-1.262051	
н	0.392880	4.324387	-3.36/450	
CI	-3.851336	2.833446	1.624437	
С	3.366354	6.442116	0.923457	
Н	2.375979	4.650792	0.226483	
Н	2.461358	4.801775	2.001479	
С	4.712140	6.030540	0.882768	
С	5.754583	6.966679	0.758711	
С	5.400771	8.331131	0.676671	
С	4.065842	8.778124	0.712598	
С	3.049828	7.807197	0.837136	
Н	1.992348	8.096312	0.868813	
Н	6.204770	9.077263	0.582288	
Н	4.938120	4.956071	0.951106	
С	7.241625	6.555683	0.710866	
С	7.428916	5.031178	0.821601	
н	6.934635	4.490577	-0.011058	
н	7.031243	4.632646	1.777025	
Н	8.508376	4.780714	0.782860	
C	7 995152	7 223372	1 886021	
н	7 580279	6 897304	2 861463	
н	7 929708	8 329020	1 8/15608	
н	9 070673	6 950252	1.843000	
Ċ	7 857010	7 024061	-0.620184	
ц	9 020910	6 7//250	-0.023184	
п	0.950019	0.744559	-0.001505	
	7.792044	6.125460	-0.755401	
	7.339351	0.550402	-1.490802	
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C	4.307129	10.837023	-0.722947	
H	5.402236	10.692648	-0.814282	
Н	4.104313	11.924934	-0.808296	
Н	3.828131	10.330205	-1.585369	
С	4.447281	11.024416	1.792794	
Н	5.546906	10.886079	1.782992	
Н	4.246312	12.114671	1.738551	
Н	4.070712	10.654312	2.768141	
С	2.250395	10.583047	0.679494	
Н	2.077381	11.676023	0.607948	
Н	1.799467	10.237433	1.631825	
н	1.699792	10.104656	-0.155683	

С	-4.567414	1.163431	1.893768
CI	-6.326684	1.208546	1.964823
H.	-4 128448	0.818329	2 847421
н	-/ 209703	0.561120	1 03939/
Ċ	-4.209703	1 020202	2 047100
	1 025264	-1.020393	2.047103
	1.035204	-2.389482	2.149297
н	-0.751731	-1.120254	1.173061
н	-0.656380	-0.909174	2.983036
1d(py)(dcm), 'Bu ₂ E	3nO-side coordi	nation of py
C	-1.29///3	4.369932	5./86/9/
С	-0.532973	5.145882	6.683742
С	-0.475614	4.786537	8.037417
С	-1.198063	3.671069	8.479705
С	-1.930079	2.937399	7.540234
С	-1.488650	4.908150	4.345532
С	-1.841841	3.932022	3.193734
Ν	-1.961891	3.282788	6.229146
Ν	-2.560850	2.812230	3.413918
С	-1.537106	4.329295	1.874253
С	-1.993434	3.560286	0.794779
С	-2.765503	2.419236	1.046739
С	-3.026075	2.072818	2.376548
С	-2.645409	5.933746	4.413482
0	-0.336662	5.673622	3.976113
С	-2.768335	1.717940	7.957989
С	-3.889123	0.849429	2.726224
0	-3.355968	1.113241	6.970359
0	-2.824852	1.431730	9.154501
0	-4.002615	0.625448	4.000569
0	-4.397062	0.211588	1.803309
н	-3.187744	1.776123	0.261181
н	-2.414598	6.711119	5.167334
н	-3.587732	5.427376	4.696196
Ni	-2.898222	1.850787	5.155886
N	-1 317602	0 549781	5.033666
c	-1 620023	-0 740752	5 294530
c	-0 648091	-1 748438	5 261033
c	0.675958	-1 409638	4 947337
c	0.982546	-0.067/1/	4.547337
c	-0.046920	0.879905	4.077322
ц	2 005712	0.248430	4.752700
Ċ	0.888755	1 963024	3 8/0286
ц	-2 778302	6 /1/709	3 425063
 Ц	2.770352	0.414705	5 521075
н Ц	-2.074413	-0.945015	5 490012
н Ц	1 460062	2.780372	1 012497
н ц	1.400002	-2.101330	4.913407
	-1.231019	5.555577	9.526234
	-0.007812	0.034354	0.300552
	0.120088	5.38/808	8.741109
	-0.958522	5.249337	1./12833
н	-1.756212	3.864732	-0.236382
н	0.147685	1.945577	4.530082
C	1.991275	5.897755	3.390015
н	0.776595	4.133807	3.099527
Н	1.1/5692	4.484862	4.807496
C	3.309422	5.406998	3.332631
C	4.371636	6.224045	2.904437
C	4.065960	7.552664	2.538108
С	2.760172	8.078597	2.588531
С	1.723456	7.225603	3.021645
Н	3.498269	4.365447	3.632410
н	4.885401	8.206828	2.202649

Н	0.688196	7.580942	3.088436	Н	-3.383027	0.791673	4.441655
С	5.829886	5.724090	2.829497	Н	-3.201484	0.188808	-2.581933
С	5.965949	4.254871	3.271828	Н	-1.731490	0.582908	-4.591753
н	5.373553	3.572239	2.629072	Ν	1.007133	-2.460765	0.635256
н	7.026125	3.937671	3.202081	С	0.918134	-3.121132	1.809868
н	5 645167	4 106192	4 323084	Ċ	1 121191	-4 502461	1 910541
Ċ	6 226660	5 920522	1 271021	с С	1 /2/020	5 220022	0 75 2 705
	0.330000 F 731661	5.059552	0.695076	C	1.434920	-3.229022	0.752795
H	5.721661	5.222096	0.685976	Ĺ	1.534464	-4.539537	-0.464367
н	7.387867	5.490955	1.298195	C	1.316/19	-3.156839	-0.479734
Н	6.304585	6.884224	1.003196	Н	0.692310	-2.512111	2.696918
С	6.716836	6.591909	3.754273	Н	1.606075	-6.315236	0.799565
Н	7.771917	6.249741	3.712301	Н	1.041224	-4.992500	2.891660
н	6.376585	6.526967	4.807842	Н	1.406399	-2.575299	-1.408463
н	6.700270	7.660628	3.461246	Н	1.787669	-5.059417	-1.399635
С	2.506241	9.544792	2.176670	С	-5.211786	2.136642	-0.563441
Ċ	3 343417	10 482671	3 079074	н	-3 127939	2 062183	-1 131714
ц	1 120616	10.780011	2 002192	 L	2 407662	2 105997	0.626000
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	3.1/085/	11.543092	2.790808	C C	-5.458100	3.520400	-0.040522
н	3.063300	10.364007	4.145566	C	-6./56235	4.015375	-0.866308
С	2.926936	9.740334	0.700396	C	-7.590177	1.683914	-0.924193
Н	2.339352	9.082165	0.028360	C	-7.800363	3.074351	-0.999808
Н	2.758436	10.791111	0.384545	Н	-4.612326	4.215124	-0.535688
н	3.999583	9.510455	0.542834	С	-6.273392	1.228484	-0.702416
С	1.024017	9.939886	2.314127	Н	-6.047603	0.157499	-0.634626
н	0.368025	9.322324	1.667784	н	-8.822774	3.444693	-1.171662
н	0.665690	9 844800	3 359035	C	-7.067100	5 523984	-0.964127
 Ц	0.005050	10 007647	2 010246	с С	5 80/06/	6 201767	0.901202
0	0.007933	2 1 9 9 0 7	Z.010240		-5.804904	6 192201	1 5001302
	-5.3/53/9	3.188937	5.459796	п	-5.053010	6.183291	-1.589201
C	-6.1/3963	1.611856	5.898100	н	-5.321325	6.241649	0.185332
CI	-7.906300	1.803159	6.208721	Н	-6.074748	7.464605	-0.876864
Н	-5.647986	1.251383	6.800070	C	-7.689565	5.829759	-2.347521
Н	-5.996043	0.941302	5.038145	Н	-6.991202	5.562110	-3.166435
				Н	-7.923522	6.911123	-2.436010
				Н	-8.631523	5.269094	-2.512533
1d()	pv)(dcm). Me-	side coordinatio	on of py	С	-8.068707	5.913220	0.149476
C.	-2.006662	0.008225	1.396788	H	-9.020238	5.351168	0.066319
Ċ	-2 993434	0 303863	2 360930	н	-7 644830	5 711490	1 154284
ĉ	-2.555454	0.558008	3 686650	Ц	-8 211005	6 99/6/6	0.001066
ĉ	1 250941	0.556556	4.020500		0.311995	0.334040	1.096020
C	-1.259841	0.515930	4.029590	C	-8.783021	0.717721	-1.086039
C	-0.332319	0.196879	3.032124	L	-9.825880	0.999775	0.022615
C	-2.4/0459	-0.361627	-0.035341	н	-10.697565	0.320522	-0.082320
С	-1.527296	-0.051421	-1.225088	Н	-9.388151	0.842935	1.029544
Ν	-0.708374	-0.062790	1.755242	Н	-10.205058	2.040295	-0.020503
Ν	-0.186482	-0.112878	-1.094899	С	-9.435103	0.935788	-2.472585
С	-2.106968	0.183565	-2.489610	Н	-8.712458	0.731300	-3.288703
С	-1.283155	0.396946	-3.603490	Н	-10.302854	0.256170	-2.604101
С	0.106580	0.374695	-3.437529	н	-9.800596	1.974238	-2.599731
Ċ	0 619159	0 109132	-2 163182	C C	-8 355807	-0 758148	-0.982057
ĉ	-2 7/1275	-1 882754	-0.048757	с Ц	-0 230812	-1 /15601	-1 100251
õ	2.741275	-1.002734	0.040757		-9.239812	-1.415001	-1.109251
0	-5 /45458	0.244522	-0.282050	п	-7.907106	-0.991003	0.004680
C	1 170552	0 1 2 7 0 5 0	2 220700	н	7 ()) ()	1 0 2 2 2 7 7	1 7 7 7 0 1 0
C	1.170553	0.127858	3.339769		-7.622062	-1.032377	-1.766848
	1.170553 2.132627	0.127858 0.061789	3.339769 -1.908336	Cl	-7.622062 1.354448	-1.032377 2.495880	-1.766848 0.600550
0	1.170553 2.132627 1.903893	0.127858 0.061789 -0.220220	3.339769 -1.908336 2.326050	CI C	-7.622062 1.354448 3.129117	-1.032377 2.495880 2.247790	-1.766848 0.600550 0.908355
0 0	1.170553 2.132627 1.903893 1.547711	0.127858 0.061789 -0.220220 0.396510	3.339769 -1.908336 2.326050 4.481424	CI CI CI	-7.622062 1.354448 3.129117 3.966109	-1.032377 2.495880 2.247790 3.773809	-1.766848 0.600550 0.908355 1.246945
0 0 0	1.170553 2.132627 1.903893 1.547711 2.456771	0.127858 0.061789 -0.220220 0.396510 -0.273694	3.339769 -1.908336 2.326050 4.481424 -0.697711	сі с сі н	-7.622062 1.354448 3.129117 3.966109 3.194009	-1.032377 2.495880 2.247790 3.773809 1.565533	-1.766848 0.600550 0.908355 1.246945 1.775648
0 0 0 0	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080	сі с сі н	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100
0 0 0 H	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582	СІ С СІ Н	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100
0 0 0 H H	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828 -3.476330	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248 -2.139022	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582 0.738804	CI C CI H H	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100
0 0 0 н н	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828 -3.476330 -1 801008	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248 -2.139022 -2 434332	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582 0.738804 0 139248	CI C CI H H	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100
0 0 0 H H H S	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828 -3.476330 -1.801008 0.920835	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248 -2.139022 -2.434332 -0.421849	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582 0.738804 0.139248 0.586957	СІ С СІ Н Н	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397 2, S = 1 + S = 0 -0 839567	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100
0 0 0 H H Ni	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828 -3.476330 -1.801008 0.920835 -3.701409	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248 -2.139022 -2.434332 -0.421849	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582 0.738804 0.139248 0.586957	СІ С СІ Н Н И 1d Ni	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397 2, S = 1 + S = 0 -0.839567 -0.352422	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808 8.439657	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100
0 0 0 H H Ni C	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828 -3.476330 -1.801008 0.920835 -3.791498	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248 -2.139022 -2.434332 -0.421849 1.669951	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582 0.738804 0.139248 0.586957 -0.325413 1.024235	СІ С СІ Н Н И И Ni N	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397 2, S = 1 + S = 0 -0.839567 -0.352422 0.750055	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808 8.439657 10.211245 7.800572	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100 10.772921 10.535788
0 0 0 H H Ni C H	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828 -3.476330 -1.801008 0.920835 -3.791498 -3.147523	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248 -2.139022 -2.434332 -0.421849 1.669951 -2.182923	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582 0.738804 0.139248 0.586957 -0.325413 -1.034225	Cl C Cl H H N N N N	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397 2, S = 1 + S = 0 -0.839567 -0.352422 0.769955 2.54122	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808 8.439657 10.211245 7.859672	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100 10.772921 10.535788 11.524893
0 0 0 H H Ni C H	1.170553 2.132627 1.903893 1.547711 2.456771 2.892333 0.826828 -3.476330 -1.801008 0.920835 -3.791498 -3.147523 -0.872423	0.127858 0.061789 -0.220220 0.396510 -0.273694 0.337766 0.550248 -2.139022 -2.434332 -0.421849 1.669951 -2.182923 0.715359	3.339769 -1.908336 2.326050 4.481424 -0.697711 -2.839080 -4.249582 0.738804 0.139248 0.586957 -0.325413 -1.034225 5.039090	Cl C Cl H H N N N N O	-7.622062 1.354448 3.129117 3.966109 3.194009 3.540397 2, S = 1 + S = 0 -0.839567 -0.352422 0.769955 -2.521902	-1.032377 2.495880 2.247790 3.773809 1.565533 1.776808 8.439657 10.211245 7.859672 8.916674	-1.766848 0.600550 0.908355 1.246945 1.775648 -0.001100 10.772921 10.535788 11.524893 10.150870

С	-1.410365	10.980836	10.148684	C	-6.138023	-1.430380	5.319358
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Ċ	-2.683392	10,195452	9,906808	C	-3.093963	-1.934855	2,973862
c	-0 575730	5 888805	11 543301	- H	-2 354362	-2 265910	3 730933
c	-1 303/51	12 357052	0 068501	н	-2 886376	_0 873311	2 720211
ĉ	1 020447	12.337032	10 552609		2.000370	2 5 2 7 4 0 0	2.729244
c	2 112047	0.007556	10.332008		-2.913013	-2.327403	2.034000
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C	3.029176	7.956882	12.29/143	н	-4.543110	-4.243361	2.808086
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Ni	0.240649	3.866174	9.930189	С	-8.950549	-0.413713	6.011744
С	2.794121	11.073008	12.980278	н	-8.792941	0.650624	5.742757
Ν	-1.249357	4.372345	8.662706	н	-9.982812	-0.518490	6.406300
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0	1 863678	3 170352	10 8182/8	с Н	-8 086900	-3 0212/1	6 53/236
c	-1.052698	5 508207	8 117160	н	-0 108032	-2 /01121	7 833/13
ĉ	2 272140	2 676767	8.117100		7 452400	2.491121	0 100767
c	1 575462	1 450494	0.400902		-7.432490	-2.721002	0.100707
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н	-1 052980	-1 817355	10 534451	ч Н	6 973236	12 498903	10 825542
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н	-2 206661	12 901382	9 655/61	н	8 698301	12 060650	10 995696
н Ц	2.200001	0 546000	12 2050401		0.098501 0.140E21	12.000000	12 944224
	3.951333	8.540332	12.395043	L U	8.149531	13.980090	12.844324
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Н	6.280523	14.992627	16.692596	н	-3.750179	3.485948	10.591948
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				н	-3.209094	1.907022	11.279779
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Ni	0.227083	8.214980	10.742631	н	-2.795124	2.221233	6.666898
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N	1.793784	7,498997	11,795003	C	-4.995666	-0.888420	4.955392
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0	-0 593272	6 413318	11 320384	- C	-6 464109	-0 255403	6 847249
c	0.013926	10 953382	10 330878	C C	-5 397164	0.480918	7 403213
c	2 213152	10.475588	11 021433	C C	-4 823625	-1 656325	3 627689
c	2 975121	8 109138	12 007649	C C	-3 408437	-1 497915	3 040498
c	1 598190	6 219863	12.007043	е н	-2 6289/7	-1 887969	3 726102
c	-1 372406	10 262/52	10.020817	н Н	-3 160747	-0 130380	2 812161
c	0.280477	5 610520	11 760001	н Н	-3 320550	-2.067096	2.012101
c	0.280477	12 222100	10 222444		5 090290	2 162014	2.092219
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C	2.000015	9.446090	11.515442	п	-0.101459	-5.552415	4.257755
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С	2.432603	1.517945	10.660535	Н	-2.970691	-0.090302	5.059304
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н	-0.766482	-1.957524	10.220341	н	8.770191	10.342041	12.020406
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Н	9.788951	10.607254	14.373326	C	-3.330302	2.627492	10.504385
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Н	10.991765	11.729574	13.654696	Н	1.893671	12.426923	10.905813
С	5.884771	13.536803	17.063314	Н	-0.162566	13.818045	10.428492
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н Ц	6 7/1152	11 021272	10 202200		1 095624	9 425110	10.110710
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 Ц	9.023310	14.570129	12 52/520	c C	0 472540	0.271204	10 527220
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Н	5.677351	13.690231	18.842639	Н	1.281520	-1.310525	10.928559
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CI	1.756268	2.8/4358	7.447652	н	4.204026	8.557668	9.920468
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Ċ	1 131405	6 044974	11 926600	c C	-5 079809	-1 902235	3 313332
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C	-0.129340	5.329401	11.4/538/	н	-2.912104	-2.284828	3.501014
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0	-1 478865	9 007770	10 085820		-6 22/081	-0 020825	5 677126
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C	-8 848558	0 314417	6 667352	н	1 860191	13 844269	10 410526
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н	-9.105762	-1.846557	8.390915				
	7 250000	2 224004	0.550515	4	- / - · · · · · · · · · · · · · · · · ·	- 0	
п	-7.359890	-2.224804	8.508000	T	$u_2(py), S = I + S$	5 = 0	
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L L	-11.531578	0.342912	-2.908190	н	-3.922196	-1.998954	-1.40314/
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Ni	-0.398470	7.934779	10.374335	С	-4.426176	0.198649	6.548991
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С	3.246776	9.144231	9.728717	Н	-5.782160	-0.287742	2.111294
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С	3.258423	6.107501	12.864859	С	-8.210065	-0.414834	7.135358
Ni	0 586352	3 3/2681	9 501630	Ċ	-9 19326/	0 232302	6 130828
С INI	2 1 2 2 7 1 0	10 502070	12 101075		-9.195204	1.232302	0.130828
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ĉ	0.017455	E 2E6007	0 102/20		0.675510	1 970407	7 965007
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C	7.202990	12.760222	15.097641	N	0.839433	4.778594	10.202731
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Н	3.914077	11.985387	15.612153	С	-1.509269	8.254054	10.376150
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Н	6.470393	10.884798	12.329206	С	1.983847	5.474614	10.345276
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Ĥ	3 591901	13 751560	16 983049	C	3 109484	7 467598	12 253692
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н	1 792985	13 8091/19	10 162718	н	-1 115968	-0 558376	7 286979
н	-4 011100	8 801662	13 055760	н	-3 720051	-2 9//0/5	7 992204
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п 	-2.700301	J.JJ4J23	11 040425		-3.022/33	-3.307280	3.700105
н	-2.068581	8.363355	11.846425	н	-2.1219/9	-3.2/8886	8./30831
				N 	1.024360	-2.189486	8.85/432
				Н	2.059406	9.622890	10.815086
				Н	-1.198613	1.469143	5.190563
				Н	-4.174311	-2.011591	11.749940
				С	1.240849	-2.401584	7.543276

С	1.416802	-3.136803	9.733948	Н	6.089910	12.149239	11.732961
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С	2.244703	-4.556081	7.964923	Н	7.238805	11.993443	10.362022
Ċ	1.843410	-3.567884	7.054592	C	7,942109	9.340792	10.754982
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 	1 2/50/1	2 016027	10.0895555		7 175020	9.079290	10 11 261 2
	1.245941	-2.910927	10.797201	П	7.175020	0.004545	10.112013
	1.997774	-3.08/09/	5.972282	L U		1.098191	9.390022
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С	-0.849354	5.188028	14.394116	С	-7.889248	1.116559	8.395898
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н	-2.410305	4.538370	15.770102	Н	-6.883634	-0.660794	9.171540
н	-4.104151	4.251628	13.902308	Н	-8.574166	3.063369	7.737736
н	-0.076507	5.328392	15.163926	Н	-4.601628	2.983925	9.459901
н	0.452935	5.780235	12.747150	С	-6.430696	4.739199	8.381219
н	-3.392315	4,773244	11.530689	С	-6.261938	5.414859	9.763377
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C	-0.078158	4.638185	5.729190	н	-7.489092	6.457663	7.564235
C	-0.177606	4.659207	7.12/138	н	-8.582537	5.231569	8.264595
н	-2.127484	7.256617	7.671978	Н	-7.811878	4.942893	6.667146
н	0.340230	3.888744	7.715291	C	-5.176986	5.013233	7.515777
н	0.507676	3.826793	5.272412	Н	-5.262871	4.518927	6.525574
н	-0.688994	5.650150	3.896236	Н	-4.248594	4.662275	8.005552
н	-2.036369	7.388468	5.165612	Н	-5.060295	6.104479	7.353994
н	-3.124907	-2.120589	14.043692	С	-9.189428	0.416503	7.945174
н	-3.656914	0.708124	5.261112	С	-9.374080	0.609946	6.420853
н	0.098749	11.175141	11.107879	Н	-9.435243	1.681630	6.145251
С	4.305779	8.164558	12.866178	Н	-10.308665	0.119504	6.075947
н	3.080394	6.405956	12.597102	Н	-8.526688	0.166606	5.858861
н	2,170909	7,944248	12.627556	C	-10.394293	1.038969	8,690502
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C C	6 27/680	0 520602	12 675 970		0 160619	1 004860	8 240126
C C	0.324080	9.339002	12.075670		-9.109010	-1.094809	7 711040
с 	5.220514	8.880727	12.085646	н	-8.342113	-1.609634	7.711040
н	5.062710	8.909857	10.998413	н	-10.119563	-1.557140	7.902270
н	7.322572	9.954472	14.549539	н	-9.064187	-1.302406	9.324192
н	3.761845	7.518123	14.859325				
С	5.802597	8.671476	16.413151				
С	7.312027	10.315370	11.778483				
С	4.725252	7.842448	17.137417				
н	3.710874	8.268673	16.997957				
н	4.931279	7.828704	18.226883				
н	4.708787	6.789294	16.790267				
С	7.180618	8.025491	16.693953				
н	7.368717	7.972260	17.786577				
н	8.009446	8.604248	16.239694				
н	7,226761	6,994791	16,287252				
C I	5 770220	10 106710	16 001780				
с ц	J.113523	10 202220	16 012662				
н	4./982/1	10 740075	10.813002				
н	0.500113	10.748875	10.53/584				
H	5.95/785	10.085626	18.08/128				
С	8.448577	10.969623	12.585690				
Н	8.065537	11.703578	13.323559				
Н	9.130429	11.513314	11.900599				
Н	9.055782	10.218311	13.130147				
С	6.548404	11.430037	11.023847				

S2 NMR Spectroscopic Studies of CISSS

Dichloromethane-d₂ was dried over CaH₂ and pyridine-d₅ over 4 Å molecular sieves and were each distilled prior to use. Samples were prepared in an M. Braun Labmaster 130 Glovebox under Ar. In the so-called Evans NMR susceptibility measurements, a regular NMR tube contained the complex at a constant concentration (2.92 mmol·L⁻¹) in dichloromethane-d₂ with 1 % tetramethylsilane and a varying concentration of pyridine. An inserted coaxial tube of smaller diameter containing everything but the complex served as the reference. Due to the difference in the volume susceptibility of the solutions, two resonance lines are obtained for TMS, with the signal for the more paramagnetic solution lying at higher frequencies.⁸ The difference of the resonance frequencies Δf between the TMS signals of the sample and the reference was determined at different temperatures (250, 260, 270, 280, 290, 300 K).



Figure S8. Experimental setup for an Evans NMR susceptibility measurement (left). The inner tube contains the reference with pyridine, TMS, and DCM. The outer tube additionally contains the complex **1d**. This results in two TMS signals in the ¹H NMR spectrum whose difference is determined (right).

From these values the mass magnetic susceptibility χ^{g}_{para} / cm³·g⁻¹ of the complex was calculated.

$$\chi^{g}_{para} = \frac{3 \cdot \Delta f}{4\pi \cdot f \cdot \rho_{Ni}} - \chi^{g}_{dia}$$
(S3)

where $3/4\pi$ is the demagnetization factor for a cylindric sample parallel to the high field of a cryomagnet⁹, Δf is difference in the resonance frequencies in Hz, f is the spectrometer frequency (4·10⁸ Hz), ρ_{Ni} is the mass concentration of the complex (1.6·10⁻³ g·cm⁻¹), and χ^{g}_{dia} is the diamagnetic correction for the complex susceptibility which has been calculated from Pascal's constants¹⁰ (-6.02·10⁻⁷ cm³·g⁻¹). The latter term is not found in the original paper as only completely paramagnetic samples were examined where the paramagnetic susceptibility exceeds the diamagnetic susceptibility in magnitude, thus the latter only has a negligible impact on the measured total susceptibility.⁸ Where only partially paramagnetic samples are investigated, it is necessary to take the diamagnetic susceptibility into account.

In the original paper, the equation included two terms for a solvent correction. Grant proved that the mutual omission of these interrelated terms is appropriate for dilute solutions as these terms usually cancel themselves out, thus the error being very small for dilute solutions. The results were more inaccurate if only one term was neglected as had been suggested earlier.¹¹

S2.1 Magnetic measurements

The molar magnetic susceptibility χ^m / cm³·mol⁻¹ is calculated from the mass magnetic susceptibility χ^{g}_{para} / cm³·g⁻¹ by multiplication with the molar mass *M*.

$$\chi^{\rm m} = \chi^{\rm g}_{\rm para} \cdot M \tag{S4}$$

In pure pyridine-d₅, complex **1d** is expected to exist as its octahedral bispyridine adduct **1d**(py-d₅)₂. Therefore, χ^{g}_{para} was calculated using $\rho_{Ni} = 2.09 \cdot 10^{-3} \text{ g}^{3} \cdot \text{cm}^{-1}$, $\chi^{g}_{dia} = -6.00 \cdot 10^{-7} \text{ cm}^{3} \cdot \text{g}^{-1}$ and χ^{m} with $M = 715.53 \text{ g} \cdot \text{mol}^{-1}$. The effective magnetic moment was calculated from χ^{m} and varies with temperature (Table S7), thus indicating a deviation from Curie behavior.

$$\mu_{\rm eff} = 2.828 \sqrt{\chi^{\rm m} \cdot \tau} \iff \chi^{\rm m} = \frac{\mu_{\rm eff}^2}{2.828^2} \cdot \frac{1}{\tau}$$
(S5)

Table S7. Results of the Evans NMR measurements of complex **1d** (2.92 mmol·L⁻¹) in pyridine-d⁵ at different temperatures and conversion into the mass and molar susceptibilities as well as the effective magnetic moment.

<i>т </i> к	Т ⁻¹ / К ⁻¹	Δ <i>f</i> / Hz	χ ^g _{para} / 10 ⁻⁶ cm ³ ·g ⁻¹	χ ^m / 10 ⁻³ cm ³ ·mol ⁻¹	$\mu_{ m eff}$ / $\mu_{ m B}$
300	3.33·10 ⁻³	17.68	5.64	4.04	3.11
290	3.45·10 ⁻³	18.51	5.88	4.21	3.12
280	3.57·10 ⁻³	19.25	6.09	4.36	3.12
270	3.70·10 ⁻³	20.35	6.40	4.58	3.15
260	3.85·10 ⁻³	21.43	6.71	4.80	3.16
250	4.00·10 ⁻³	22.54	7.03	5.03	3.17

The linear dependence of the molar susceptibility from the reciprocal temperature in accordance to eq. (S5) was plotted (Figure S9).



Figure S9. Plot of the molar magnetic susceptibility of complex **1d** (2.92 mmol·L⁻¹) in pyridine-d⁵ as a function of the reciprocal temperature.

The formula for the fitted straight line is:

$$\chi^{\rm m} = 1234.4 \cdot \frac{1}{\tau} \tag{S6}$$

The effective magnetic moment μ_{eff} was calculated from the slope to be 3.14 μ_{B} .

S2.2 Titration Curves

A quantity of approximately 0.8 mg of complex **1d** was weighed precisely. The respective equivalents of pyridine- d_5 were added and as much DCM- d_2 (1 % TMS) so that always the same complex concentration of 2.92 mmol·L⁻¹ was obtained (a total volume of approximately 0.5 mL). The insert was provided with a solution of same equivalents of pyridine- d_5 in DCM- d_2 (1 % TMS).



Figure S10. ¹H NMR spectra for complex 1d in DCM-d₂ with different equivalents of pyridine at 300 K.



Figure S11. Titration curves for complex 1d in DCM-d₂ with pyridine at different temperatures.

og Dv			Δf /	/ Hz				X _{para}				
eq. Py	300 K	290 K	280 K	270 K	260 K	250 K	300 K	290 K	280 K	270 K	260 K	250 K
0	0.37	0.50	0.66	0.86	1.23	1.94	0.09	0.09	0.10	0.10	0.11	0.13
0.25	2.77	3.35	4.65	5.98	7.43	9.70	0.20	0.22	0.26	0.30	0.34	0.41
0.5	4.42	5.61	7.34	8.94	10.53	12.20	0.28	0.32	0.38	0.42	0.46	0.50
0.75	7.55	9.37	11.89	14.37	16.92	19.88	0.42	0.48	0.57	0.64	0.70	0.78
1	8.38	10.14	13.18	16.10	19.00	21.80	0.46	0.52	0.62	0.71	0.78	0.85
1.5	10.36	12.71	15.40	18.79	21.42	24.00	0.55	0.63	0.71	0.81	0.87	0.93
2	13.75	16.66	19.17	21.66	22.93	24.37	0.71	0.80	0.87	0.93	0.93	0.94
2.5	16.07	18.01	20.22	21.84	23.40	24.87	0.81	0.86	0.92	0.94	0.95	0.96
3	17.10	19.64	21.37	23.18	24.58	25.94	0.86	0.93	0.96	0.99	0.99	1.00
3.5	18.58	19.99	21.63	22.97	24.24	25.56	0.93	0.95	0.97	0.98	0.98	0.99
4	19.16	20.95	22.19	23.41	24.61	25.65	0.96	0.99	1.00	1.00	1.00	0.99
4.5	19.56	20.76	22.17	23.41	24.76	26.00	0.97	0.98	1.00	1.00	1.00	1.00
5	19.75	20.89	22.06	23.18	24.61	26.05	0.98	0.99	0.99	0.99	1.00	1.00
6	19.31	20.78	22.07	23.25	24.38	25.64	0.96	0.98	0.99	0.99	0.99	0.99
7	19.57	20.69	21.84	23.09	24.37	25.71	0.98	0.98	0.98	0.99	0.99	0.99
8	19.77	20.97	22.22	23.40	24.56	25.68	0.98	0.99	1.00	1.00	0.99	0.99
9	20.01	21.02	21.93	23.19	24.46	25.74	1.00	0.99	0.99	0.99	0.99	0.99
10	20.11	21.18	22.24	23.44	24.73	25.97	1.00	1.00	1.00	1.00	1.00	1.00
15	19.52	20.48	21.40	22.74	24.38	25.64	0.97	0.97	0.96	0.97	0.99	0.99
20	19.70	20.69	21.68	22.89	24.13	25.51	0.98	0.98	0.98	0.98	0.98	0.98
25	19.85	20.84	21.83	22.95	24.17	25.50	0.99	0.99	0.98	0.98	0.98	0.98

Table S8. Measured differences of resonance frequencies Δf and mole fraction x_{para} of paramagnetic species for the titration of complex **1d** in DCM-d₂ with pyridine.

S2.3 Dilution Experiments

A solution of the complex already exhibited modest paramagnetism. It was presumed that a dimerization in analogy to a solid state structure (see chapter S3.3) is the reason. This assumption was supported by DFT calculations (see chapter S1.8). A dilution series of the complex **1d** in DCM-d₂ was conducted to investigate the equilibrium. The shift difference increased with rising complex concentration and lowering the temperature. At some measurements at 300 K, sample and reference signals could not be distinguished anymore.

Table S9. Measured differences of resonance frequencies Δf and mass susceptibilities for a dilution series of complex **1d** in DCM-d₂.

c/mmol.1 ⁻¹		Δ <i>f</i> / Hz					χ ^g _{para} / 10 ⁻⁶ cm ³ ·g ⁻¹					
	300 K	290 K	280 K	270 K	260 K	250 K	300 K	290 K	280 K	270 K	260 K	250 K
1.46	-	0.25	0.37	0.51	0.63	0.93	-	0.79	0.88	0.98	1.07	1.30
2.19	-	0.30	0.47	0.75	0.92	2.02	-	0.75	0.84	0.97	1.06	1.61
2.92	-	0.49	0.73	1.06	1.42	4.50	-	0.78	0.87	1.00	1.13	2.28
3.65	0.49	0.62	0.8	1.17	1.70	5.66	0.75	0.79	0.84	0.95	1.11	2.29
4.39	0.49	0.62	0.79	1.17	1.80	6.69	0.72	0.76	0.80	0.89	1.05	2.26
5.12	-	0.93	1.20	1.57	3.08	9.43	-	0.80	0.86	0.94	1.26	2.61
5.85	0.90	1.07	1.16	1.91	4.36	11.06	0.77	0.80	0.82	0.96	1.41	2.66



Figure S12. Shift difference as a function of the mass concentration of complex 1d in DCM-d₂.

S2.4 Evaluation of Equilibria

The Equilibria Speciation Tool (EST) is an Excel utility intended for the calculation of chemical equilibria.¹³ It was used to determine the concentration for the occurring species from the titration curves at each titration step (Ni, Ni(py), Ni(py)₂ or Ni₂, Ni₂(py), Ni(py)₂) and thereof the association constants (K_{15} , K_2). The equilibria were defined by the stoichiometric coefficients of the contribution species. Furthermore, the initial concentrations of the complex and pyridine ([Ni]₀ = 2.92 mmol·L⁻¹ or [Ni₂]₀ = 1.46 mmol·L⁻¹, [Py]₀ here given as equivalents) as well as the measured values ($\chi^{e}_{para,exp}$) were specified. Considering the contribution of each species to the susceptibility, the program applies nonlinear fitting based on the Newton-Raphson method to calculate susceptibility values ($\chi^{e}_{para,calc}$) by varying the concentrations of the different species, minimizing the mean square error between measured and calculated values.

Note that equilibrium constants are dimensionless values as they are defined by activities, which are dimensionless as well. To use concentrations instead of activities, the values are formally divided by the standard concentration of $1 \text{ mol} \cdot L^{-1.14}$

The change in enthalpy and entropy for the reactions were determined from the temperaturedependent association constants using the van't Hoff equation which is derived from two definitions of the change in the Gibbs free energy.

$$\Delta G = \Delta H - T \cdot \Delta S = -RT \ln K \quad \Leftrightarrow \quad \ln K = -\frac{\Delta H}{R} \cdot \frac{1}{T} + \frac{\Delta S}{R}$$
(S7)

S2.4.1 Solvent Coordination Model

Here it is assumed that the intrinsic paramagnetism of the solution is induced by solvent coordination to the square-planar complex Ni. Data evaluation is thus based on the formula

$$\chi_{\text{para}}^{\text{g}} = \frac{[\text{Ni}] \cdot \chi_{\text{para},0}^{\text{g}} + ([\text{Ni}(\text{py})] + [\text{Ni}(\text{py})_{2}]) \cdot \chi_{\text{para},\text{max}}^{\text{g}}}{[\text{Ni}]_{0}}$$
(S8)

where $\chi^{g}_{para,0}$ is the susceptibility in the absence of pyridine and $\chi^{g}_{para,max}$ the highest measured susceptibility.

eq. Py	Δ <i>f</i> / Hz	χ ^g _{para,exp} / 10 ⁻⁶ cm ³ ·g ⁻¹	χ ^g para,calc / 10 ⁻⁶ cm ³ ·g ⁻¹	[Ni] / mol·L ⁻¹	[Ni(py)] / mol·L ⁻¹	[Ni(py) ₂] / mol·L ⁻¹
0	0.37	0.740	0.740	2.92·10 ⁻³	0	0
0.25	2.77	1.634	1.541	2.61·10 ⁻³	2.39·10 ⁻⁴	7.95·10 ⁻⁵
0.5	4.42	2.250	2.300	2.30·10 ⁻³	3.86·10 ⁻⁴	2.34·10 ⁻⁴
0.75	7.55	3.417	3.015	2.02·10 ⁻³	4.83·10 ⁻⁴	4.20·10 ⁻⁴
1	8.38	3.726	3.683	1.75·10 ⁻³	5.48·10 ⁻⁴	6.21·10 ⁻⁴
1.5	10.36	4.465	4.868	1.28·10 ⁻³	6.05·10 ⁻⁴	1.03·10 ⁻³
2	13.75	5.729	5.831	9.01·10 ⁻⁴	5.95·10 ⁻⁴	1.43·10 ⁻³
2.5	16.07	6.594	6.557	6.13·10 ⁻⁴	5.46·10 ⁻⁴	1.76·10 ⁻³
3	17.10	6.978	7.062	4.12·10 ⁻⁴	4.80·10 ⁻⁴	2.03·10 ⁻³
3.5	18.58	7.528	7.393	2.81·10 ⁻⁴	4.15·10 ⁻⁴	2.23·10 ⁻³
4	19.16	7.746	7.604	1.97·10 ⁻⁴	3.59·10 ⁻⁴	2.37·10 ⁻³
4.5	19.56	7.894	7.740	1.43·10 ⁻⁴	3.12·10 ⁻⁴	2.47·10 ⁻³
5	19.75	7.966	7.830	1.08·10 ⁻⁴	2.75·10 ⁻⁴	2.54·10 ⁻³
6	19.31	7.802	7.934	6.60·10 ⁻⁵	2.19·10 ⁻⁴	2.64·10 ⁻³
7	19.57	7.899	7.989	4.42·10 ⁻⁵	1.81·10 ⁻⁴	2.70·10 ⁻³
8	19.77	7.974	8.021	3.15·10 ⁻⁵	1.54·10 ⁻⁴	2.74·10 ⁻³
9	20.01	8.063	8.041	2.36·10 ⁻⁵	1.34·10 ⁻⁴	2.77·10 ⁻³
10	20.11	8.101	8.055	1.83·10 ⁻⁵	1.18·10 ⁻⁴	2.79·10 ⁻³
15	19.52	7.881	8.083	7.11·10 ⁻⁶	7.46·10 ⁻⁵	2.84·10 ⁻³
20	19.70	7.946	8.091	3.75·10 ⁻⁶	5.44·10 ⁻⁵	2.87·10 ⁻³
25	19.85	8.004	8.095	2.31·10 ⁻⁶	4.28·10 ⁻⁵	2.88·10 ⁻³

Table S10. Results for Evans NMR titration experiments of complex **1d** in DCM-d₂ (2.92 mmol·L⁻¹) with pyridine at 300 K and comparison with the values obtained by nonlinear fitting with EST for the solvent coordination model. The mean square error is $0.026 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δ <i>f</i> / Hz	χ ^g _{para,exp} / 10 ⁻⁶ cm ³ ·g ⁻¹	χ ^g para,calc / 10 ⁻⁶ cm ³ ·g ⁻¹	[Ni] / mol·L ⁻¹	[Ni(py)] / mol·L ⁻¹	[Ni(py)₂] / mol·L⁻¹
0	0.50	0.788	0.788	2.92·10 ⁻³	0	0
0.25	3.35	1.851	1.854	2.52·10 ⁻³	3.24·10 ⁻⁴	8.04·10 ⁻⁵
0.5	5.61	2.694	2.794	2.16·10 ⁻³	5.20·10 ⁻⁴	2.41·10 ⁻⁴
0.75	9.37	4.096	3.645	1.84·10 ⁻³	6.46·10 ⁻⁴	4.37·10 ⁻⁴
1	10.14	4.383	4.417	1.55·10 ⁻³	7.23·10 ⁻⁴	6.53·10 ⁻⁴
1.5	12.71	5.341	5.731	1.05·10 ⁻³	7.73·10 ⁻⁴	1.10·10 ⁻³
2	16.66	6.814	6.725	6.73·10 ⁻⁴	7.28·10 ⁻⁴	1.52·10 ⁻³
2.5	18.01	7.317	7.404	4.15·10 ⁻⁴	6.35·10 ⁻⁴	1.87·10 ⁻³
3	19.64	7.925	7.822	2.57·10 ⁻⁴	5.33·10 ⁻⁴	2.13·10 ⁻³
3.5	19.99	8.056	8.064	1.65·10 ⁻⁴	4.45·10 ⁻⁴	2.31·10 ⁻³
4	20.95	8.414	8.206	1.11·10 ⁻⁴	3.75·10 ⁻⁴	2.44·10 ⁻³
4.5	20.76	8.341	8.291	7.91·10 ⁻⁵	3.21·10 ⁻⁴	2.52·10 ⁻³
5	20.89	8.391	8.346	5.85·10 ⁻⁵	2.80·10 ⁻⁴	2.59·10 ⁻³
6	20.78	8.350	8.407	3.53·10 ⁻⁵	2.21·10 ⁻⁴	2.67·10 ⁻³
7	20.69	8.315	8.438	2.34·10 ⁻⁵	1.82·10 ⁻⁴	2.72·10 ⁻³
8	20.97	8.421	8.456	1.66·10 ⁻⁵	1.54·10 ⁻⁴	2.75·10 ⁻³
9	21.02	8.440	8.467	1.24·10 ⁻⁵	1.34·10 ⁻⁴	2.78·10 ⁻³
10	21.18	8.500	8.475	9.60·10 ⁻⁶	1.18·10 ⁻⁴	2.80·10 ⁻³
15	20.48	8.239	8.490	3.73·10 ⁻⁶	7.41·10 ⁻⁵	2.85·10 ⁻³
20	20.69	8.315	8.495	1.96·10 ⁻⁶	5.40·10 ⁻⁵	2.87·10 ⁻³
25	20.84	8.373	8.497	1.21·10 ⁻⁶	4.25·10 ⁻⁵	2.88·10 ⁻³

Table S11. Results for Evans NMR titration experiments of complex **1d** in DCM-d₂ (2.92 mmol·L⁻¹) with pyridine at 290 K and comparison with the values obtained by nonlinear fitting with EST for the solvent coordination model. The mean square error is $0.028 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δ <i>f</i> / Hz	χ ^g _{para,exp} / 10 ⁻⁶ cm ³ ·g ⁻¹	χ ^g para,calc / 10 ⁻⁶ cm ³ ·g ⁻¹	[Ni] / mol·L ⁻¹	[Ni(py)] / mol·L ⁻¹	[Ni(py)₂] / mol·L⁻¹
0	0.50	0.848	0.848	2.92·10 ⁻³	0	0
0.25	3.35	2.340	2.299	2.40·10 ⁻³	4.81·10 ⁻⁴	4.65·10 ⁻⁵
0.5	5.61	3.340	3.527	1.95·10 ⁻³	8.11·10 ⁻⁴	1.63·10 ⁻⁴
0.75	9.37	5.040	4.574	1.57·10 ⁻³	1.03·10 ⁻³	3.25·10 ⁻⁴
1	10.14	5.520	5.462	1.25·10 ⁻³	1.16·10 ⁻³	5.19·10 ⁻⁴
1.5	12.71	6.340	6.817	7.54·10 ⁻⁴	1.22·10 ⁻³	9.51·10 ⁻⁴
2	16.66	7.750	7.685	4.38·10 ⁻⁴	1.12·10 ⁻³	1.37·10 ⁻³
2.5	18.01	8.140	8.189	2.55·10 ⁻⁴	9.52·10 ⁻⁴	1.72·10 ⁻³
3	19.64	8.570	8.465	1.54·10 ⁻⁴	7.95·10 ⁻⁴	1.97·10 ⁻³
3.5	19.99	8.670	8.617	9.93·10 ⁻⁵	6.66·10 ⁻⁴	2.16·10 ⁻³
4	20.95	8.880	8.704	6.77·10 ⁻⁵	5.67·10 ⁻⁴	2.29·10 ⁻³
4.5	20.76	8.870	8.757	4.85·10 ⁻⁵	4.90·10 ⁻⁴	2.39·10 ⁻³
5	20.89	8.830	8.790	3.62·10 ⁻⁵	4.30·10 ⁻⁴	2.46·10 ⁻³
6	20.78	8.830	8.829	2.22·10 ⁻⁵	3.43·10 ⁻⁴	2.56·10 ⁻³
7	20.69	8.750	8.849	1.49·10 ⁻⁵	2.85·10 ⁻⁴	2.62·10 ⁻³
8	20.97	8.890	8.861	1.07·10 ⁻⁵	2.43·10 ⁻⁴	2.67·10 ⁻³
9	21.02	8.780	8.868	8.01·10 ⁻⁶	2.12·10 ⁻⁴	2.70·10 ⁻³
10	21.18	8.890	8.873	6.22·10 ⁻⁶	1.88·10 ⁻⁴	2.73·10 ⁻³
15	20.48	8.580	8.883	2.44·10 ⁻⁶	1.19·10 ⁻⁴	2.80·10 ⁻³
20	20.69	8.690	8.886	1.29·10 ⁻⁶	8.72·10 ⁻⁵	2.84·10 ⁻³
25	20.84	8.740	8.888	7.99·10 ⁻⁷	6.88·10 ⁻⁵	2.85·10 ⁻³

Table S12. Results for Evans NMR titration experiments of complex **1d** in DCM-d₂ (2.92 mmol·L⁻¹) with pyridine at 280 K and comparison with the values obtained by nonlinear fitting with EST for the solvent coordination model. The mean square error is $0.034 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δ <i>f</i> / Hz	χ ^g _{para,exp} / 10 ⁻⁶ cm ³ ·g ⁻¹	χ ^g _{para,calc} / 10 ⁻⁶ cm ³ ·g ⁻¹	[Ni] / mol·L ⁻¹	[Ni(py)] / mol·L ⁻¹	[Ni(py)₂] / mol·L⁻¹
0	0.50	0.922	0.922	2.92·10 ⁻³	0	0
0.25	3.35	2.830	2.703	2.31·10 ⁻³	6.00·10 ⁻⁴	1.90E-05
0.5	5.61	3.940	4.265	1.76·10 ⁻³	1.08·10 ⁻³	8.06E-05
0.75	9.37	5.960	5.568	1.31·10 ⁻³	1.42·10 ⁻³	1.89·10 ⁻⁴
1	10.14	6.610	6.595	9.53·10 ⁻⁴	1.63·10 ⁻³	3.39·10 ⁻⁴
1.5	12.71	7.610	7.913	4.95·10 ⁻⁴	1.71·10 ⁻³	7.18·10 ⁻⁴
2	16.66	8.680	8.571	2.67·10 ⁻⁴	1.56·10 ⁻³	1.10·10 ⁻³
2.5	18.01	8.750	8.894	1.55·10 ⁻⁴	1.35·10 ⁻³	1.42·10 ⁻³
3	19.64	9.250	9.061	9.70·10 ⁻⁵	1.15·10 ⁻³	1.67·10 ⁻³
3.5	19.99	9.170	9.153	6.49·10 ⁻⁵	9.97·10 ⁻⁴	1.86·10 ⁻³
4	20.95	9.330	9.208	4.59·10 ⁻⁵	8.70·10 ⁻⁴	2.01·10 ⁻³
4.5	20.76	9.330	9.242	3.39·10 ⁻⁵	7.69·10 ⁻⁴	2.12·10 ⁻³
5	20.89	9.250	9.265	2.59·10 ⁻⁵	6.86·10 ⁻⁴	2.21·10 ⁻³
6	20.78	9.270	9.293	1.64·10 ⁻⁵	5.63·10 ⁻⁴	2.34·10 ⁻³
7	20.69	9.210	9.307	1.13·10 ⁻⁵	4.76·10 ⁻⁴	2.44·10 ⁻³
8	20.97	9.330	9.316	8.22·10 ⁻⁶	4.11·10 ⁻⁴	2.50·10 ⁻³
9	21.02	9.250	9.322	6.23·10 ⁻⁶	3.62·10 ⁻⁴	2.56·10 ⁻³
10	21.18	9.340	9.326	4.89·10 ⁻⁶	3.23·10 ⁻⁴	2.60·10 ⁻³
15	20.48	9.080	9.334	1.97·10 ⁻⁶	2.09·10 ⁻⁴	2.71·10 ⁻³
20	20.69	9.140	9.337	1.05·10 ⁻⁶	1.55·10 ⁻⁴	2.77·10 ⁻³
25	20.84	9.160	9.338	6.54·10 ⁻⁷	1.23·10 ⁻⁴	2.80·10 ⁻³

Table S13. Results for Evans NMR titration experiments of complex **1d** in DCM-d₂ (2.92 mmol·L⁻¹) with pyridine at 270 K and comparison with the values obtained by nonlinear fitting with EST for the solvent coordination model. The mean square error is $0.029 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δ <i>f /</i> Hz	χ ^g _{para,exp} / 10 ⁻⁶ cm ³ ·g ⁻¹	χ ^g para,calc / 10 ⁻⁶ cm ³ ·g ⁻¹	[Ni] / mol·L ⁻¹	[Ni(py)] / mol·L ⁻¹	[Ni(py)₂] / mol·L ⁻¹
0	0.50	1.060	1.060	2.92·10 ⁻³	0	0
0.25	3.35	3.370	3.055	2.26·10 ⁻³	6.64·10 ⁻⁴	2.22·10 ⁻⁶
0.5	5.61	4.530	4.908	1.64·10 ⁻³	1.27·10 ⁻³	1.13·10 ⁻⁵
0.75	9.37	6.910	6.500	1.11·10 ⁻³	1.78·10 ⁻³	3.27·10⁻⁵
1	10.14	7.690	7.681	7.14·10 ⁻⁴	2.14·10 ⁻³	7.30·10 ⁻⁵
1.5	12.71	8.590	8.849	3.24·10 ⁻⁴	2.40·10 ⁻³	2.02·10 ⁻⁴
2	16.66	9.150	9.265	1.85·10 ⁻⁴	2.39·10 ⁻³	3.51·10 ⁻⁴
2.5	18.01	9.330	9.451	1.23·10 ⁻⁴	2.31·10 ⁻³	4.94·10 ⁻⁴
3	19.64	9.770	9.553	8.90·10 ⁻⁵	2.21·10 ⁻³	6.25·10 ⁻⁴
3.5	19.99	9.640	9.616	6.81·10 ⁻⁵	2.11·10 ⁻³	7.46·10 ⁻⁴
4	20.95	9.780	9.658	5.41·10 ⁻⁵	2.01·10 ⁻³	8.56·10 ⁻⁴
4.5	20.76	9.830	9.688	4.42·10 ⁻⁵	1.92·10 ⁻³	9.56·10 ⁻⁴
5	20.89	9.780	9.710	3.69·10 ⁻⁵	1.84·10 ⁻³	1.05·10 ⁻³
6	20.78	9.690	9.739	2.69·10 ⁻⁵	1.69·10 ⁻³	1.21·10 ⁻³
7	20.69	9.690	9.758	2.06·10 ⁻⁵	1.56·10 ⁻³	1.35·10 ⁻³
8	20.97	9.760	9.771	1.63·10 ⁻⁵	1.44·10 ⁻³	1.46·10 ⁻³
9	21.02	9.720	9.780	1.32·10 ⁻⁵	1.34·10 ⁻³	1.57·10 ⁻³
10	21.18	9.820	9.787	1.09·10 ⁻⁵	1.26·10 ⁻³	1.65·10 ⁻³
15	20.48	9.690	9.804	5.21·10 ⁻⁶	9.48·10 ⁻⁴	1.97·10 ⁻³
20	20.69	9.600	9.811	3.04·10 ⁻⁶	7.59·10 ⁻⁴	2.16·10 ⁻³
25	20.84	9.610	9.814	2.00·10 ⁻⁶	6.33·10 ⁻⁴	2.29·10 ⁻³

Table S14. Results for Evans NMR titration experiments of complex **1d** in DCM-d₂ (2.92 mmol·L⁻¹) with pyridine at 260 K and comparison with the values obtained by nonlinear fitting with EST for the solvent coordination model. The mean square error is $0.034 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δ <i>f /</i> Hz	χ ^g _{para,exp} / 10 ⁻⁶ cm ³ ·g ⁻¹	χ ^g _{para,calc} / 10 ⁻⁶ cm ³ ·g ⁻¹	[Ni] / mol·L ⁻¹	[Ni(py)] / mol·L ⁻¹	[Ni(py)₂] / mol·L ⁻¹
0	0.50	1.320	1.320	2.92·10 ⁻³	0	0
0.25	3.35	4.220	3.469	2.22·10 ⁻³	7.00·10 ⁻⁴	9.29·10 ⁻¹³
0.5	5.61	5.150	5.539	1.55·10 ⁻³	1.37·10 ⁻³	5.14·10 ⁻¹²
0.75	9.37	8.010	7.411	9.41·10 ⁻⁴	1.98·10 ⁻³	1.77·10 ⁻¹²
1	10.14	8.730	8.790	4.92·10 ⁻⁴	2.43·10 ⁻³	5.08·10 ⁻¹¹
1.5	12.71	9.550	9.784	1.68·10 ⁻⁴	2.76·10 ⁻³	1.91·10 ⁻¹⁰
2	16.66	9.690	10.013	9.33·10 ⁻⁵	2.83·10 ⁻³	3.63·10 ⁻¹⁰
2.5	18.01	9.880	10.104	6.39·10 ⁻⁵	2.86·10 ⁻³	5.40·10 ⁻¹⁰
3	19.64	10.300	10.151	4.85·10 ⁻⁵	2.88·10 ⁻³	7.20·10 ⁻¹⁰
3.5	19.99	10.100	10.180	3.90·10 ⁻⁵	2.88·10 ⁻³	9.00·10 ⁻⁹
4	20.95	10.200	10.200	3.27·10 ⁻⁵	2.89·10 ⁻³	1.08·10 ⁻⁹
4.5	20.76	10.300	10.214	2.81·10 ⁻⁵	2.90·10 ⁻³	1.26·10 ⁻⁹
5	20.89	10.300	10.224	2.46·10 ⁻⁵	2.90·10 ⁻³	1.44·10 ⁻⁹
6	20.78	10.200	10.239	1.97·10 ⁻⁵	2.90·10 ⁻³	1.81·10 ⁻⁹
7	20.69	10.200	10.249	1.65·10 ⁻⁵	2.91·10 ⁻³	2.17·10 ⁻⁹
8	20.97	10.200	10.257	1.41·10 ⁻⁵	2.91·10 ⁻³	2.53·10 ⁻⁹
9	21.02	10.200	10.262	1.24·10 ⁻⁵	2.91·10 ⁻³	2.89·10 ⁻⁹
10	21.18	10.300	10.266	1.10·10 ⁻⁵	2.91·10 ⁻³	3.26·10 ⁻⁹
15	20.48	10.200	10.278	7.08·10 ⁻⁶	2.92·10 ⁻³	5.07·10 ⁻⁹
20	20.69	10.100	10.284	5.22·10 ⁻⁶	2.92·10 ⁻³	6.88·10 ⁻⁹
25	20.84	10.100	10.287	4.14·10 ⁻⁶	2.92·10 ⁻³	8.70·10 ⁻⁹

Table S15. Results for Evans NMR titration experiments of complex **1d** in DCM-d₂ (2.92 mmol·L⁻¹) with pyridine at 250 K and comparison with the values obtained by nonlinear fitting with EST for the solvent coordination model. The mean square error is $0.067 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.



Figure S13. Experimental (black) and calculated pyridine titration curves (red) of **1d** in DCM- d_2 at different temperatures for the evaluation with the solvent coordination model.

Т/К	K _{1S}	К2
300	275	1000
290	522	1008
280	1279	617
270	2785	339
260	4672	53
250	10057	4·10 ⁻⁵

Table S16. Association constants K_{15} and K_2 for the coordination for the first and second pyridine to complex **1d** in dichloromethane-d₂ at different temperatures for the evaluation with the solvent coordination model.



Figure S14. Van't Hoff plots of ln K as a function of the reciprocal temperature for association constants K_{1S} (red) and K₂ (black) determined by the solvent coordination model. The values for 250 K and 260 K (open circles) were not considered.

Fitted straight lines from van't Hoff plots:

$$\ln K_{1S} = -3058.86 \cdot \frac{1}{7} + 17.27 \tag{S9}$$

$$\ln K_2 = 6351.28 \cdot \frac{1}{T} - 15.58$$
(S10)

Table S17. Binding enthalpies and entropies for the coordination of one or two pyridine ligands to **1d** when considering the solvent model. Association constants from 300-270 K were taken into account for the evaluation.

	1S	2
∆ <i>H</i> / kcal·mol ⁻¹	-13	+6
ΔS / cal·mol ⁻¹ ·K ⁻¹	-31	+34

S2.4.2 Dimer Model

Here it is assumed that the intrinsic paramagnetism of the solution is induced by dimer formation. Data evaluation is thus based on the formula

$$\chi_{para}^{g} = \frac{[Ni_{2}] \cdot \chi_{para,0}^{g} + [Ni_{2}(py)] \cdot \chi_{para,int}^{g} + \frac{1}{2} \cdot [Ni(py)_{2}] \cdot \chi_{para,max}^{g}}{[Ni_{2}]_{0}}$$
(1)

where $\chi^{g}_{para,0}$ is the susceptibility in the absence of pyridine and $\chi^{g}_{para,max}$ the highest measured susceptibility. Since it was assumed that the intermediary susceptibility of Ni₂(py) is $\chi^{g}_{para,int} = \chi^{g}_{para,max}$, the formula is simplified to

$$\chi_{para}^{g} = \frac{[Ni_{2}] \cdot \chi_{para,0}^{g} + ([Ni_{2}(py)] + \frac{1}{2} \cdot [Ni(py)_{2}]) \cdot \chi_{para,max}^{g}}{[Ni_{2}]_{0}}$$
(S11)

Table S18. Results for Evans NMR titration experiments of complex $1d_2$ in DCM- d_2 (1.46 mmol·L⁻¹) with pyridine at 300 K and comparison with the values obtained by nonlinear fitting with EST for the dimer model. The mean square error is $0.022 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δ <i>f /</i> Hz	χ ^g _{para,exp} / 10 ⁶ cm ³ ·g ⁻¹	χ ^g _{para,calc} / 10 ⁶ cm ³ ·g ⁻¹	[Ni₂] / mol·L⁻¹	[Ni₂(py)] / mol·L ⁻¹	[Ni(py)₂] / mol·L ⁻¹
0	0.37	0.740	0.740	1.46·10 ⁻³	0	0
0.25	2.77	1.634	1.625	1.29·10 ⁻³	1.48·10 ⁻⁴	5.58·10 ⁻⁵
0.5	4.42	2.250	2.394	1.13·10 ⁻³	2.40·10 ⁻⁴	1.77·10 ⁻⁴
0.75	7.55	3.417	3.082	9.97·10 ⁻⁴	2.99·10 ⁻⁴	3.33·10 ⁻⁴
1	8.38	3.726	3.707	8.73·10 ⁻⁴	3.34·10 ⁻⁴	5.10·10 ⁻⁴
1.5	10.36	4.465	4.798	6.56·10 ⁻⁴	3.58·10 ⁻⁴	8.97·10 ⁻⁴
2	13.75	5.729	5.708	4.75·10 ⁻⁴	3.38·10 ⁻⁴	1.30·10 ⁻³
2.5	16.07	6.594	6.452	3.27·10 ⁻⁴	2.91·10 ⁻⁴	1.69·10 ⁻³
3	17.10	6.978	7.032	2.12·10 ⁻⁴	2.31·10 ⁻⁴	2.04·10 ⁻³
3.5	18.58	7.528	7.453	1.29·10 ⁻⁴	1.70·10 ⁻⁴	2.33·10 ⁻³
4	19.16	7.746	7.728	7.39·10 ⁻⁵	1.17·10 ⁻⁴	2.54·10 ⁻³
4.5	19.56	7.894	7.892	4.15·10 ⁻⁵	7.81·10 ⁻⁵	2.68·10 ⁻³
5	19.75	7.966	7.982	2.36·10 ⁻⁵	5.20·10 ⁻⁵	2.77·10 ⁻³
6	19.31	7.802	8.057	8.56·10 ⁻⁶	2.47·10 ⁻⁵	2.86·10 ⁻³
7	19.57	7.899	8.082	3.67·10 ⁻⁶	1.31·10 ⁻⁵	2.89·10 ⁻³
8	19.77	7.974	8.091	1.80·10 ⁻⁶	7.72·10 ⁻⁶	2.90·10 ⁻³
9	20.01	8.063	8.096	9.80·10 ⁻⁷	4.90·10 ⁻⁶	2.91·10 ⁻³
10	20.11	8.101	8.098	5.77·10 ⁻⁷	3.30·10 ⁻⁶	2.92·10 ⁻³
15	19.52	7.881	8.100	8.32·10 ⁻⁸	7.72·10 ⁻⁷	2.92·10 ⁻³
20	19.70	7.946	8.100	2.27·10 ⁻⁸	2.91·10 ⁻⁷	2.92·10 ⁻³
25	19.85	8.004	8.101	8.50·10 ⁻⁹	1.40·10 ⁻⁷	2.92·10 ⁻³

eq. Py	Δƒ / Hz	χ ^g _{para,exp} / 10 ⁶ cm ³ ·g ⁻¹	χ ^g para,calc / 10 ⁶ cm ³ ·g ⁻¹	[Ni ₂] / mol·L ⁻¹	[Ni₂(py)] / mol·L⁻¹	[Ni(py) ₂] / mol·L ⁻¹
0	0.50	0.788	0.788	1.46·10 ⁻³	0	0
0.25	3.35	1.851	1.958	1.24·10 ⁻³	1.84·10 ⁻⁴	7.50·10 ⁻⁵
0.5	5.61	2.694	2.899	1.06·10 ⁻³	2.86·10 ⁻⁴	2.28·10 ⁻⁴
0.75	9.37	4.096	3.707	9.08·10 ⁻⁴	3.44·10 ⁻⁴	4.18·10 ⁻⁴
1	10.14	4.383	4.420	7.73·10 ⁻⁴	3.74·10 ⁻⁴	6.29·10 ⁻⁴
1.5	12.71	5.341	5.626	5.45·10 ⁻⁴	3.77·10 ⁻⁴	1.08·10 ⁻³
2	16.66	6.814	6.589	3.62·10 ⁻⁴	3.31·10 ⁻⁴	1.54·10 ⁻³
2.5	18.01	7.317	7.332	2.21·10 ⁻⁴	2.59·10 ⁻⁴	1.96·10 ⁻³
3	19.64	7.925	7.860	1.21·10 ⁻⁴	1.79·10 ⁻⁴	2.32·10 ⁻³
3.5	19.99	8.056	8.183	6.00·10 ⁻⁵	1.12.10-4	2.58·10 ⁻³
4	20.95	8.414	8.350	2.84·10 ⁻⁵	6.55·10 ⁻⁵	2.74·10 ⁻³
4.5	20.76	8.341	8.427	1.38·10 ⁻⁵	3.88·10 ⁻⁵	2.82·10 ⁻³
5	20.89	8.391	8.462	7.21·10 ⁻⁶	2.40·10 ⁻⁵	2.86·10 ⁻³
6	20.78	8.350	8.487	2.42·10 ⁻⁶	1.06·10 ⁻⁵	2.90·10 ⁻³
7	20.69	8.315	8.494	1.01·10 ⁻⁶	5.52·10 ⁻⁶	2.91·10 ⁻³
8	20.97	8.421	8.497	4.89·10 ⁻⁷	3.21·10 ⁻⁶	2.92·10 ⁻³
9	21.02	8.440	8.498	2.65·10 ⁻⁷	2.03·10 ⁻⁶	2.92·10 ⁻³
10	21.18	8.500	8.499	1.55·10 ⁻⁷	1.36·10 ⁻⁶	2.92·10 ⁻³
15	20.48	8.239	8.499	2.23·10 ⁻⁸	3.18·10 ⁻⁷	2.92·10 ⁻³
20	20.69	8.315	8.500	6.08·10 ⁻⁹	1.20·10 ⁻⁷	2.92·10 ⁻³
25	20.84	8.373	8.500	2.28·10 ⁻⁹	5.74·10 ⁻⁸	2.92·10 ⁻³

Table S19. Results for Evans NMR titration experiments of complex $1d_2$ in DCM-d₂ (1.46 mmol·L⁻¹) with pyridine at 290 K and comparison with the values obtained by nonlinear fitting with EST for the dimer model. The mean square error is $0.026 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δ <i>f /</i> Hz	χ ^g _{para,exp} ∕ 10 ⁶ cm ³ ·g ⁻¹	χ ^g _{para,calc} / 10 ⁶ cm ³ ·g ⁻¹	[Ni ₂] / mol·L ⁻¹	[Ni ₂ (py)] / mol·L ⁻¹	[Ni(py) ₂] / mol·L ⁻¹
0	0.66	0.848	0.848	1.46·10 ⁻³	0	0
0.25	4.65	2.336	2.495	1.16·10 ⁻³	2.59·10 ⁻⁴	8.11·10 ⁻⁵
0.5	7.34	3.339	3.680	9.47·10 ⁻⁴	3.90·10 ⁻⁴	2.50·10 ⁻⁴
0.75	11.89	5.035	4.621	7.76·10 ⁻⁴	4.56·10 ⁻⁴	4.60·10 ⁻⁴
1	13.18	5.516	5.402	6.34·10 ⁻⁴	4.81·10 ⁻⁴	6.94·10 ⁻⁴
1.5	15.40	6.344	6.634	4.10·10 ⁻⁴	4.55·10 ⁻⁴	1.19·10 ⁻³
2	19.17	7.750	7.539	2.46·10 ⁻⁴	3.69·10 ⁻⁴	1.69·10 ⁻³
2.5	20.22	8.142	8.174	1.30E·10 ⁻⁴	2.58·10 ⁻⁴	2.15·10 ⁻³
3	21.37	8.570	8.565	5.91·10 ⁻⁵	1.54·10 ⁻⁴	2.50·10 ⁻³
3.5	21.63	8.665	8.758	2.40·10 ⁻⁵	8.17·10 ⁻⁵	2.71·10 ⁻³
4	22.19	8.876	8.836	9.89·10 ⁻⁶	4.28·10 ⁻⁵	2.82·10 ⁻³
4.5	22.17	8.869	8.865	4.47·10 ⁻⁶	2.38·10 ⁻⁵	2.87·10 ⁻³
5	22.06	8.828	8.878	2.25·10 ⁻⁶	1.43·10 ⁻⁵	2.89·10 ⁻³
6	22.07	8.831	8.886	7.33·10 ⁻⁷	6.17·10 ⁻⁶	2.91·10 ⁻³
7	21.84	8.746	8.888	3.03·10 ⁻⁷	3.19·10 ⁻⁶	2.92·10 ⁻³
8	22.22	8.887	8.889	1.47·10 ⁻⁷	1.85·10 ⁻⁶	2.92·10 ⁻³
9	21.93	8.779	8.890	7.93·10 ⁻⁸	1.17·10 ⁻⁶	2.92·10 ⁻³
10	22.24	8.895	8.890	4.65·10 ⁻⁸	7.82·10 ⁻⁷	2.92·10 ⁻³
15	21.40	8.582	8.890	6.68·10 ⁻⁹	1.82·10 ⁻⁷	2.92·10 ⁻³
20	21.68	8.686	8.890	1.82·10 ⁻⁹	6.88·10 ⁻⁸	2.92·10 ⁻³
25	21.83	8.742	8.890	6.82·10 ⁻¹⁰	3.30·10 ⁻⁸	2.92·10 ⁻³

Table S20. Results for Evans NMR titration experiments of complex $1d_2$ in DCM-d₂ (1.46 mmol·L⁻¹) with pyridine at 280 K and comparison with the values obtained by nonlinear fitting with EST for the dimer model. The mean square error is $0.032 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δƒ / Hz	χ ^g _{para,exp} / 10 ⁶ cm ³ ·g ⁻¹	χ ^g _{para,calc} ∕ 10 ⁶ cm³⋅g ⁻¹	[Ni ₂] / mol·L ⁻¹	[Ni₂(py)] / mol·L ⁻¹	[Ni(py) ₂] / mol·L ⁻¹
0	0.86	0.922	0.922	1.46·10 ⁻³	0	0
0.25	5.98	2.831	3.073	1.09·10 ⁻³	3.27·10 ⁻⁴	9.29·10 ⁻⁵
0.5	8.94	3.935	4.490	8.42·10 ⁻⁴	4.75·10 ⁻⁴	2.88·10 ⁻⁴
0.75	14.37	5.960	5.547	6.59·10 ⁻⁴	5.37·10 ⁻⁴	5.32·10 ⁻⁴
1	16.10	6.605	6.382	5.14·10 ⁻⁴	5.47·10 ⁻⁴	8.02·10 ⁻⁴
1.5	18.79	7.608	7.624	2.98·10 ⁻⁴	4.76·10 ⁻⁴	1.37·10 ⁻³
2	21.66	8.679	8.466	1.52·10 ⁻⁴	3.41·10 ⁻⁴	1.94·10 ⁻³
2.5	21.84	8.746	8.988	6.11·10 ⁻⁵	1.92·10 ⁻⁴	2.42·10 ⁻³
3	23.18	9.245	9.232	1.88·10 ⁻⁵	8.43·10 ⁻⁵	2.72·10 ⁻³
3.5	22.97	9.167	9.308	5.56·10 ⁻⁶	3.46·10 ⁻⁵	2.84·10 ⁻³
4	23.41	9.331	9.329	1.96·10 ⁻⁶	1.59·10 ⁻⁵	2.89·10 ⁻³
4.5	23.41	9.331	9.335	8.29·10 ⁻⁷	8.39·10 ⁻⁶	2.91·10 ⁻³
5	23.18	9.245	9.338	4.05·10 ⁻⁷	4.91·10 ⁻⁶	2.91·10 ⁻³
6	23.25	9.271	9.339	1.29·10 ⁻⁷	2.09·10 ⁻⁶	2.92·10 ⁻³
7	23.09	9.212	9.340	5.32·10 ⁻⁸	1.07·10 ⁻⁶	2.92·10 ⁻³
8	23.40	9.327	9.340	2.57·10 ⁻⁸	6.21·10 ⁻⁷	2.92·10 ⁻³
9	23.19	9.249	9.340	1.39·10 ⁻⁸	3.91·10 ⁻⁷	2.92·10 ⁻³
10	23.44	9.342	9.340	8.13·10 ⁻⁹	2.62·10 ⁻⁷	2.92·10 ⁻³
15	22.74	9.081	9.340	1.17·10 ⁻⁹	6.11·10 ⁻⁸	2.92·10 ⁻³
20	22.89	9.135	9.340	3.17·10 ⁻¹⁰	2.30·10 ⁻⁸	2.92·10 ⁻³
25	22.95	9.160	9.340	1.19·10 ⁻¹⁰	1.10·10 ⁻⁸	2.92·10 ⁻³

Table S21. Results for Evans NMR titration experiments of complex $1d_2$ in DCM-d₂ (1.46 mmol·L⁻¹) with pyridine at 270 K and comparison with the values obtained by nonlinear fitting with EST for the dimer model. The mean square error is 0.042·10⁻⁶ cm³·g⁻¹. The concentrations of all species at every titration step are given.
eq. Py	Δ <i>f</i> / Hz	χ ^g _{para,exp} / 10 ⁶ cm ³ ·g ⁻¹	χ ^g _{para,calc} / 10 ⁶ cm ³ ·g ⁻¹	[Ni ₂] / mol·L ⁻¹	[Ni ₂ (py)] / mol·L ⁻¹	[Ni(py) ₂] / mol·L ⁻¹
0	1.23	1.060	1.060	1.46·10 ⁻³	0	0
0.25	7.43	3.372	3.664	1.03·10 ⁻³	4.00·10 ⁻⁴	6.98·10 ⁻⁵
0.5	10.53	4.528	5.320	7.51·10 ⁻⁴	5.89·10 ⁻⁴	2.43·10 ⁻⁴
0.75	16.92	6.911	6.453	5.62·10 ⁻⁴	6.63·10 ⁻⁴	4.74·10 ⁻⁴
1	19.00	7.687	7.281	4.24·10 ⁻⁴	6.69·10 ⁻⁴	7.38·10 ⁻⁴
1.5	21.42	8.589	8.409	2.35·10 ⁻⁴	5.73·10 ⁻⁴	1.31·10 ⁻³
2	22.93	9.152	9.110	1.19·10 ⁻⁴	4.09·10 ⁻⁴	1.87·10 ⁻³
2.5	23.40	9.327	9.524	4.95·10 ⁻⁵	2.38·10 ⁻⁴	2.35·10 ⁻³
3	24.58	9.767	9.721	1.66·10 ⁻⁵	1.12.10-4	2.67·10 ⁻³
3.5	24.24	9.641	9.788	5.26·10 ⁻⁶	4.86·10 ⁻⁵	2.82·10 ⁻³
4	24.61	9.779	9.809	1.91·10 ⁻⁶	2.30·10 ⁻⁵	2.87·10 ⁻³
4.5	24.76	9.833	9.815	8.21·10 ⁻⁷	1.22·10 ⁻⁵	2.90·10 ⁻³
5	24.61	9.779	9.818	4.03·10 ⁻⁷	7.20·10 ⁻⁶	2.91·10 ⁻³
6	24.38	9.693	9.819	1.29·10 ⁻⁷	3.07·10 ⁻⁶	2.92·10 ⁻³
7	24.37	9.689	9.820	5.32·10 ⁻⁸	1.58·10 ⁻⁶	2.92·10 ⁻³
8	24.56	9.760	9.820	2.57·10 ⁻⁸	9.15·10 ⁻⁷	2.92·10 ⁻³
9	24.46	9.723	9.820	1.39·10 ⁻⁸	5.76·10 ⁻⁷	2.92·10 ⁻³
10	24.73	9.823	9.820	8.14·10 ⁻⁹	3.86·10 ⁻⁷	2.92·10 ⁻³
15	24.38	9.693	9.820	1.17·10 ⁻⁹	9.01·10 ⁻⁸	2.92·10 ⁻³
20	24.13	9.598	9.820	3.18·10 ⁻¹⁰	3.39·10 ⁻⁸	2.92·10 ⁻³
25	24.17	9.615	9.820	1.19·10 ⁻¹⁰	1.63·10 ⁻⁸	2.92·10 ⁻³

Table S22. Results for Evans NMR titration experiments of complex $1d_2$ in DCM-d₂ (1.46 mmol·L⁻¹) with pyridine at 260 K and comparison with the values obtained by nonlinear fitting with EST for the dimer model. The mean square error is $0.064 \cdot 10^{-6}$ cm³·g⁻¹. The concentrations of all species at every titration step are given.

eq. Py	Δƒ / Hz	χ ^g _{para,exp} / 10 ⁶ cm ³ ·g ⁻¹	χ ^g _{para,calc} / 10 ⁶ cm ³ ·g ⁻¹	[Ni ₂] / mol·L ⁻¹	[Ni₂(py)] / mol·L ⁻¹	[Ni(py) ₂] / mol·L ⁻¹
0	1.94	1.325	1.320	1.46·10 ⁻³	0	0
0.25	9.70	4.219	4.355	9.68·10 ⁻⁴	4.69·10 ⁻⁴	5.05·10 ⁻⁵
0.5	12.20	5.151	6.257	6.58·10 ⁻⁴	7.03·10 ⁻⁴	2.02·10 ⁻⁴
0.75	19.88	8.015	7.441	4.65·10 ⁻⁴	7.85·10 ⁻⁴	4.24·10 ⁻⁴
1	21.80	8.731	8.230	3.37·10 ⁻⁴	7.83·10 ⁻⁴	6.84·10 ⁻⁴
1.5	24.00	9.551	9.203	1.79·10 ⁻⁴	6.57·10 ⁻⁴	1.25·10 ⁻³
2	24.37	9.689	9.756	8.85·10 ⁻⁵	4.67·10 ⁻⁴	1.81·10 ⁻³
2.5	24.87	9.876	10.068	3.77·10 ⁻⁵	2.77·10 ⁻⁴	2.29·10 ⁻³
3	25.94	10.275	10.218	1.34·10 ⁻⁵	1.37·10 ⁻⁴	2.62·10 ⁻³
3.5	25.56	10.133	10.272	4.50·10 ⁻⁶	6.21·10 ⁻⁵	2.79·10 ⁻³
4	25.65	10.166	10.290	1.68·10 ⁻⁶	3.00·10 ⁻⁵	2.86·10⁻³
4.5	26.00	10.297	10.296	7.29·10 ⁻⁷	1.61·10 ⁻⁵	2.89·10 ⁻³
5	26.05	10.316	10.298	3.60·10 ⁻⁷	9.53·10 ⁻⁶	2.90·10 ⁻³
6	25.64	10.163	10.299	1.16·10 ⁻⁷	4.08·10 ⁻⁶	2.92·10 ⁻³
7	25.71	10.187	10.300	4.78·10 ⁻⁸	2.10·10 ⁻⁶	2.92·10 ⁻³
8	25.68	10.178	10.300	2.31·10 ⁻⁸	1.22·10 ⁻⁶	2.92·10 ⁻³
9	25.74	10.200	10.300	1.25·10 ⁻⁸	7.68·10 ⁻⁷	2.92·10 ⁻³
10	25.97	10.286	10.300	7.32·10 ⁻⁹	5.14·10 ⁻⁷	2.92·10 ⁻³
15	25.64	10.163	10.300	1.05·10 ⁻⁹	1.20·10 ⁻⁷	2.92·10 ⁻³
20	25.51	10.112	10.300	2.86·10 ⁻¹⁰	4.52·10 ⁻⁸	2.92·10 ⁻³
25	25.50	10.110	10.300	1.07·10 ⁻¹⁰	2.17·10 ⁻⁸	2.92·10 ⁻³

Table S23. Results for Evans NMR titration experiments of complex $1d_2$ in DCM-d₂ (1.46 mmol·L⁻¹) with pyridine at 250 K and comparison with the values obtained by nonlinear fitting with EST for the dimer model. The mean square error is 0.102·10⁻⁶ cm³·g⁻¹. The concentrations of all species at every titration step are given.



Figure S15. Experimental (black) and calculated pyridine titration curves (red) of **1d** in DCM- d_2 at different temperatures for the evaluation with the dimer model.

Fitted straight lines from van't Hoff Plots:

$$\ln K_{1S} = 940.20 \cdot \frac{1}{T} + 0.26 \tag{S12}$$

$$\ln K_2 = 4743.62 \cdot \frac{1}{7} - 10.36$$
 (S13)

S3 Selected Crystal Data

	1a	1a (py) ₂	1a ₂ (EtOH) ₃
Formula	$C_{15}H_{12}N_2NiO_5$	$C_{32.50}H_{29.50}N_{5.50}NiO_5$	$C_{42}H_{60}N_4Ni_2O_{16}$
M / g·mol⁻¹	358.98	635.82	994.36
Crystal system	monoclinic	monoclinic	triclinic
Space group	C2/c	P21/n	<i>P</i> -1
a / Å	21.7637(9)	11.4677(2)	13.5292(9)
<i>b</i> / Å	6.8956(3)	16.1148(4)	13.8175(11)
c / Å	18.7940(7)	15.6428(4)	14.1756(11)
α/°	90	90	92.609(7)
β/°	101.478(3)	90.183(2)	100.302(6)
γ/°	90	90	116.725(6)
V / Å ³	2764.1(2)	2890.77(11)	2304.7(3)
Т/К	170	170	170
Ζ	8	4	2
D _{calc} / mg⋅m³	1.725	1.461	1.433
μ / mm ⁻¹	1.433	0.724	0.890
$ heta_{ m max}$ / °	26.005	27.899	26.004
min/max. trans.	0.7360/0.8440	0.8554/0.9375	0.8064/0.9093
Refl. collected	11650	35572	17517
Unique refl.	2717	6890	8835
R int	0.0526	0.0317	0.0347
Refl. [F ₀ >4σ(F ₀)]	2151	6048	6489
Parameters	210	399	609
<i>R</i> ₁ [F ₀ >4σ(F ₀)]	0.0559	0.0356	0.0500
wR ₂	0.1121	0.0829	0.1201
GOF	1.073	1.041	1.039
$\Delta ho_{ m max/min}$ / e·Å ⁻³	0.556/ -0.452	0.492/-0.413	0.346/ -0.501

 Table S24.
 Selected crystal data and details of the structure refinements.

S3.1 [6,6'-(1-methoxy1,1-ethyanediyl)bis(2-pyridinecarboxylato-N,O)]nickel(II) (1a)



Figure S16. ORTEP plot of 1a with labeling and displacement ellipsoids drawn at the 50 % probability level.

Ni(1)-O(3)	1.850(3)	Ni(1)-N(1)	1.863(4)
Ni(1)-O(2)	1.853(3)	Ni(1)-N(2)	1.865(4)
O(3)-Ni(1)-O(2)	92.07(16)	O(3)-Ni(1)-N(2)	85.89(15)
O(3)-Ni(1)-N(1)	176.70(16)	O(2)-Ni(1)-N(2)	177.31(16)
O(2)-Ni(1)-N(1)	85.51(15)	N(1)-Ni(1)-N(2)	96.46(15)

Table S25. Selected bond lengths $[{\mbox{\ref{A}}}]$ and angles $[{\mbox{\ref{P}}}]$ for ${\bf 1a}.$

S3.2 [6,6'-(1-methoxy-1,1-ethanediyl)bis(2-pyridinecarboxylato-N,O)]di(pyridine)nickel(II) (1a(py)₂)



Figure S17. ORTEP plot of $1a(py)_2$ with labeling and displacement ellipsoids drawn at the 50% probability level.

Ni(1)-O(2)	2.0308(12)	Ni(1)-O(3)	2.0330(11)
Ni(1)-N(1)	2.0322(13)	Ni(1)-N(31)	2.1422(14)
Ni(1)-N(2)	2.0322(13)	Ni(1)-N(21)	2.2075(14)
O(2)-Ni(1)-N(1)	82.01(5)	N(2)-Ni(1)-N(31)	90.81(5)
O(2)-Ni(1)-N(2)	173.37(5)	O(3)-Ni(1)-N(31)	90.64(5)
N(1)-Ni(1)-N(2)	91.48(5)	O(2)-Ni(1)-N(21)	88.73(5)
O(2)-Ni(1)-O(3)	104.15(5)	N(1)-Ni(1)-N(21)	91.59(5)
N(1)-Ni(1)-O(3)	172.43(5)	N(2)-Ni(1)-N(21)	90.22(5)
N(2)-Ni(1)-O(3)	82.25(5)	O(3)-Ni(1)-N(21)	84.22(5)
O(2)-Ni(1)-N(31)	90.85(5)	N(31)-Ni(1)-N(21)	174.58(5)
N(1)-Ni(1)-N(31)	93.70(5)	C(25)-N(21)-Ni(1)	123.81(11)
C(5)-N(1)-Ni(1)	128.52(11)	C(21)-N(21)-Ni(1)	118.73(12)
C(1)-N(1)-Ni(1)	110.96(10)	C(35)-N(31)-Ni(1)	119.95(12)
C(7)-N(2)-Ni(1)	128.86(11)	C(31)-N(31)-Ni(1)	122.71(12)
C(11)-N(2)-Ni(1)	111.06(10)	C(13)-O(3)-Ni(1)	113.60(10)
C(12)-O(2)-Ni(1)	114.38(10		

Table S26. Selected bond lengths [Å] and angles [°] for 1a(py)₂.

S3.3 (Di{ethanol}{6-[1-methoxy-1-(2-carboxylato-6-pyridyl-N,O)-1-ethyl][μ^2 -2-pyridinecarboxylato-N,O,O']}nickel(II))(ethanol)[6,6'-(1-methoxy-1,1-ethanediyl)bis(2-pyridinecarboxylato-N,O)]nickel(II) (1a₂(EtOH)₃)



Figure S18. ORTEP plot of $1a_2(EtOH)_3$ with labeling and displacement ellipsoids drawn at the 50% probability level. Please note that only selected atoms are labeled and that disordering is shown as full and open bonds.

I) ₃.
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Ni(1)-N(2)	2.015(3)	Ni(2)-N(21)	2.020(3)
Ni(1)-O(2)	2.031(3)	Ni(2)-N(22)	2.028(3)
Ni(1)-O(3)	2.035(2)	Ni(2)-O(23)	2.048(2)
Ni(1)-N(1)	2.036(3)	Ni(2)-O(22)	2.049(2)
Ni(1)-O(6)	2.091(2)	Ni(2)-O(26)	2.127(2)
Ni(1)-O(7)	2.136(2)	O(4)-Ni(2)	2.055(2)
N(2)-Ni(1)-O(2)	172.76(11)	N(21)-Ni(2)-N(22)	92.44(11)
N(2)-Ni(1)-O(3)	83.07(10)	N(21)-Ni(2)-O(23)	174.39(11)
O(2)-Ni(1)-O(3)	103.48(10)	N(22)-Ni(2)-O(23)	81.95(11)
N(2)-Ni(1)-N(1)	91.30(12)	N(21)-Ni(2)-O(22)	82.04(10)
O(2)-Ni(1)-N(1)	82.02(11)	N(22)-Ni(2)-O(22)	174.38(10)
O(3)-Ni(1)-N(1)	173.87(11)	O(23)-Ni(2)-O(22)	103.57(10)
N(2)-Ni(1)-O(6)	90.78(11)	N(21)-Ni(2)-O(4)	94.86(10)
O(2)-Ni(1)-O(6)	92.63(10)	N(22)-Ni(2)-O(4)	95.87(11)
O(3)-Ni(1)-O(6)	86.89(10)	O(23)-Ni(2)-O(4)	85.56(9)
N(1)-Ni(1)-O(6)	95.64(11)	O(22)-Ni(2)-O(4)	85.68(10)
N(2)-Ni(1)-O(7)	90.37(10)	N(21)-Ni(2)-O(26)	90.79(10)
O(2)-Ni(1)-O(7)	86.74(10)	N(22)-Ni(2)-O(26)	88.05(11)
O(3)-Ni(1)-O(7)	88.81(9)	O(23)-Ni(2)-O(26)	89.22(10)
N(1)-Ni(1)-O(7)	88.81(10)	O(22)-Ni(2)-O(26)	90.97(10)
O(6)-Ni(1)-O(7)	175.38(11)	O(4)-Ni(2)-O(26)	172.97(10)

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