Supporting Online Material for

Copper(I) Acetate–Catalyzed Azide–Alkyne Cycloaddition for Highly Efficient Preparation of 1-(Pyridin-2-yl)-1,2,3-Triazoles

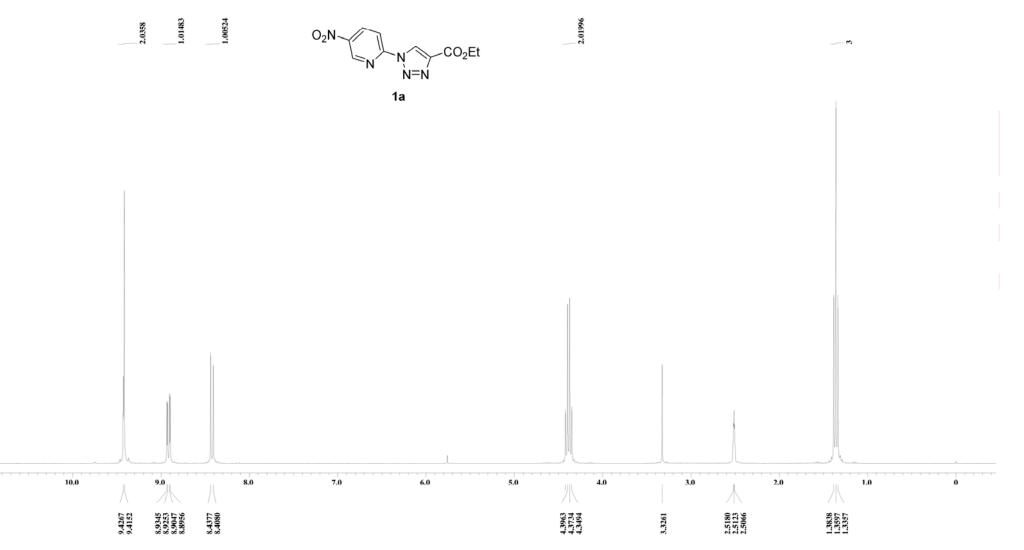
Qun Zhang, Xinyan Wang,* Chuanjie Cheng, Rui Zhu, Nan Liu, Yuefei Hu*

Department of Chemistry, Tsinghua University, Beijing 100084, P. R. China

wangxinyan@mail.tsinghua.edu.cn, yfh@mail.tsinghua.edu.cn,

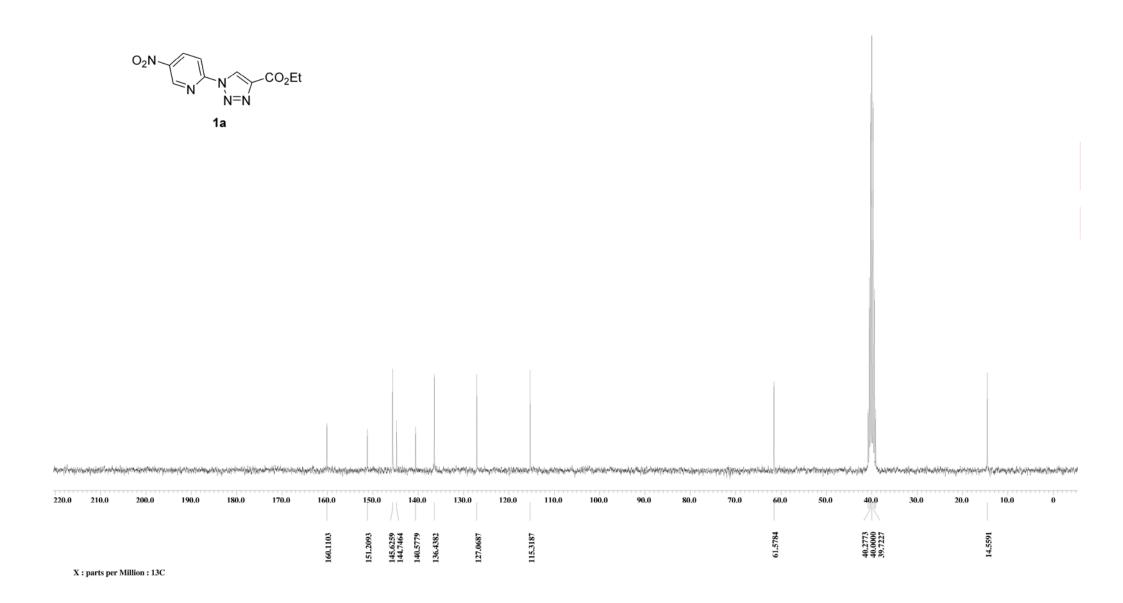
List of ¹H NMR and ¹³C NMR spectra for compounds 1a-z, 14-15.

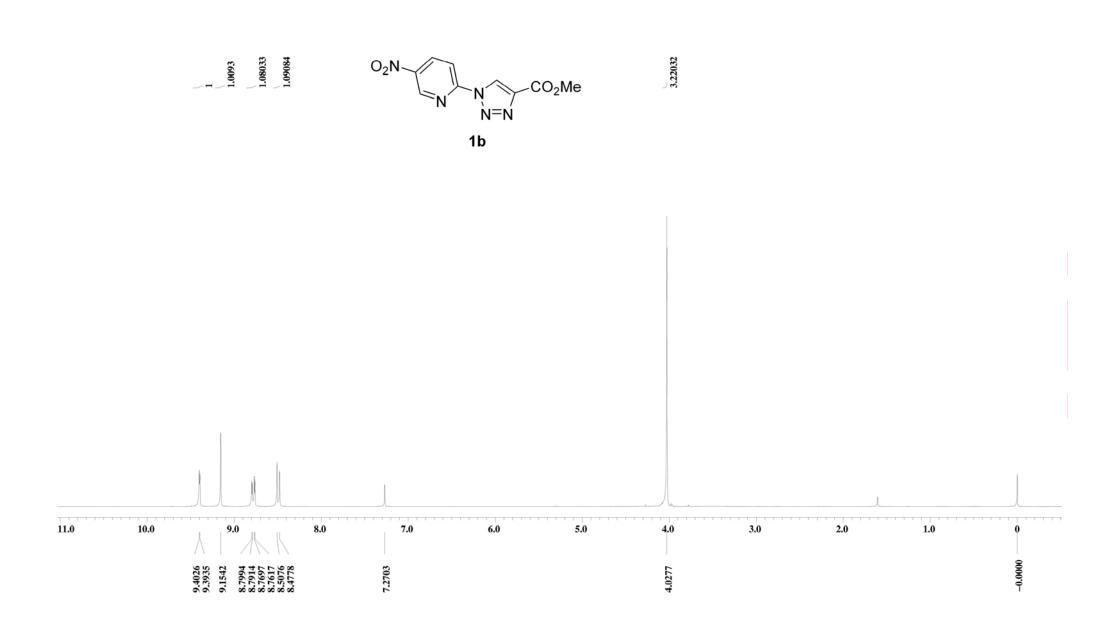
Page 3	¹ H NMR of 1a	Page 4	¹³ C NMR of 1a
Page 5	¹ H NMR of 1b	Page 6	¹³ C NMR of 1b
Page 7	¹ H NMR of 1c	Page 8	¹³ C NMR of 1c
Page 9	¹ H NMR of 1d	Page 10	¹³ C NMR of 1d
Page 11	¹ H NMR of 1e	Page 12	¹³ C NMR of 1e
Page 13	¹ H NMR of 1f	Page 14	¹³ C NMR of 1f
Page 15	¹ H NMR of 1g	Page 16	¹³ C NMR of 1g
Page 17	¹ H NMR of 1h	Page 18	13 C NMR of 1h
Page 19	¹ H NMR of 1i	Page 20	¹³ C NMR of 1i
Page 21	¹ H NMR of 1 j	Page 22	¹³ C NMR of 1j
Page 23	¹ H NMR of 1k	Page 24	¹³ C NMR of 1k
Page 25	¹ H NMR of 1 l	Page 26	¹³ C NMR of 11
Page 27	¹ H NMR of 1m	Page 28	¹³ C NMR of 1m
Page 29	¹ H NMR of 1n	Page 30	¹³ C NMR of 1n
Page 31	¹ H NMR of 10	Page 32	¹³ C NMR of 10
Page 33	¹ H NMR of 1p	Page 34	¹³ C NMR of 1p
Page 35	¹ H NMR of 1 q	Page 36	¹³ C NMR of 1q
Page 37	¹ H NMR of 1r	Page 38	¹³ C NMR of 1r
Page 39	¹ H NMR of 1s	Page 40	¹³ C NMR of 1s
Page 41	¹ H NMR of 1 t	Page 42	¹³ C NMR of 1t
Page 43	¹ H NMR of 1u	Page 44	¹³ C NMR of 1u
Page 45	¹ H NMR of 1v	Page 46	13 C NMR of $1v$
Page 47	¹ H NMR of 1 w	Page 48	¹³ C NMR of 1 w
Page 49	¹ H NMR of 1 x	Page 50	¹³ C NMR of 1 x
Page 51	¹ H NMR of 1 y	Page 52	¹³ C NMR of 1y
Page 53	¹ H NMR of 1z	Page 54	¹³ C NMR of 1z
Page55	¹ H NMR of 14	Page 56	¹³ C NMR of 14
Page57	¹ H NMR of 15	Page 58	¹³ C NMR of 15



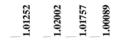
X : parts per Million : 1H

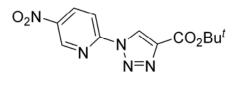
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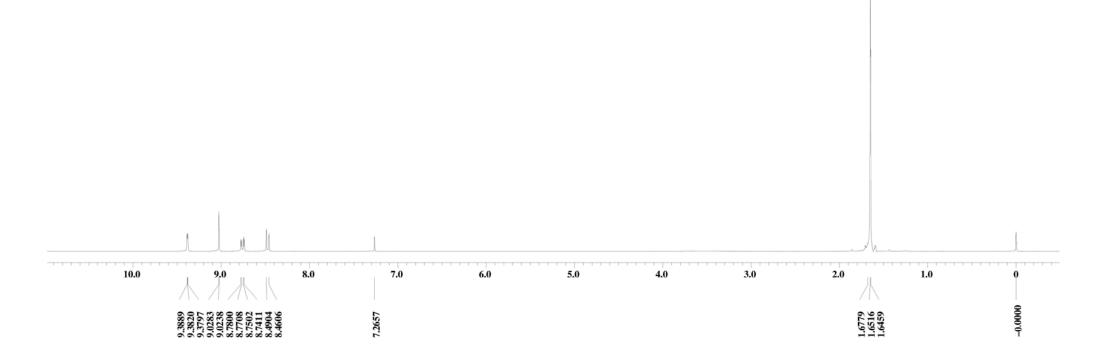
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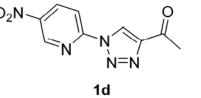


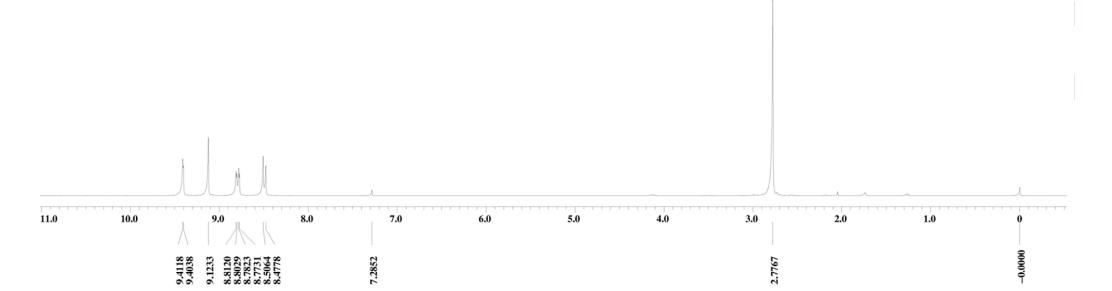
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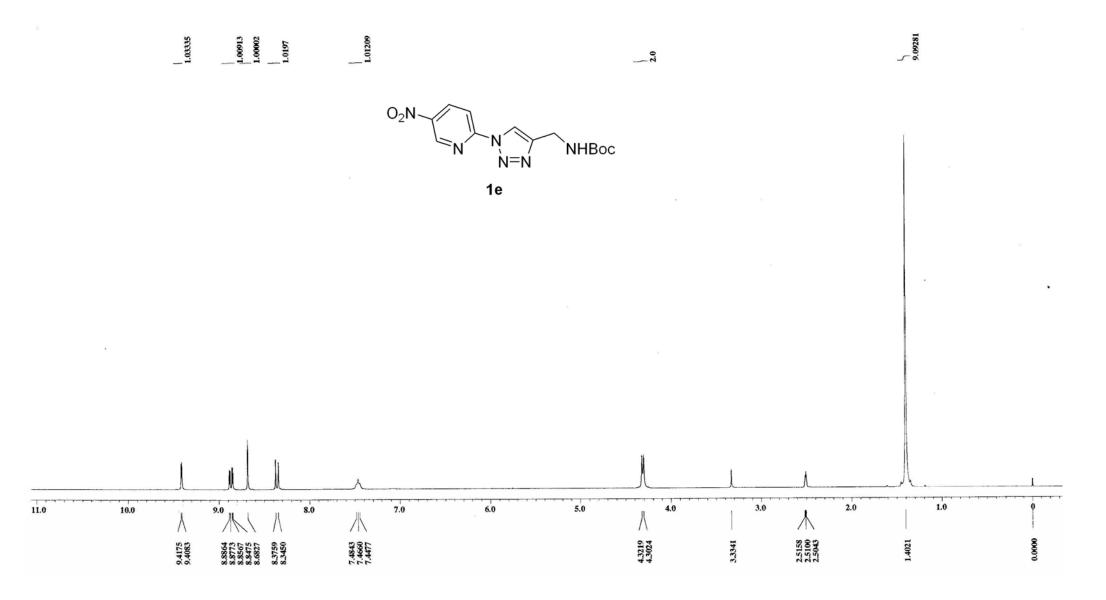




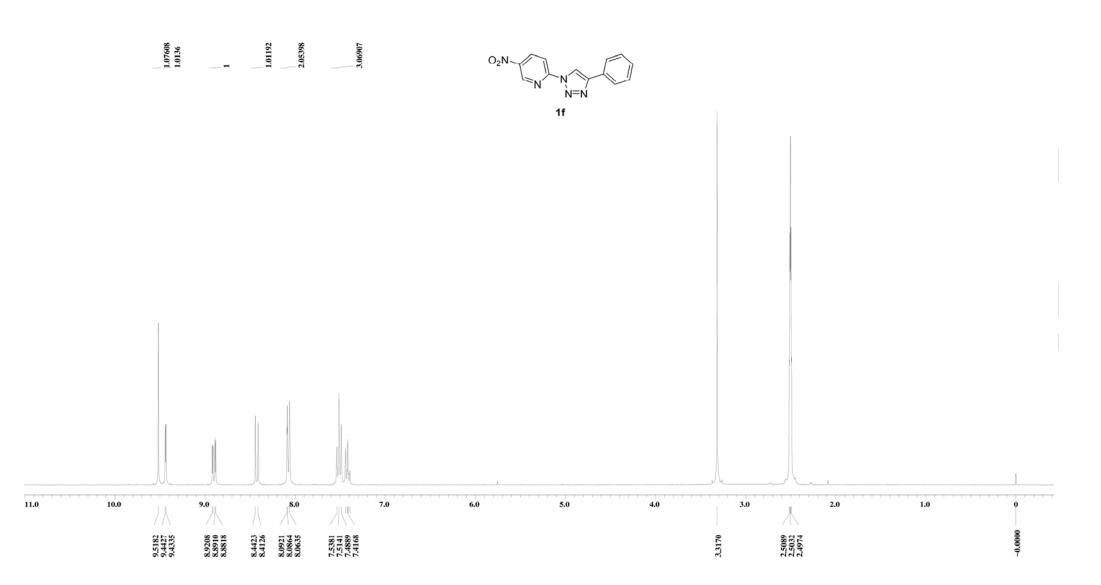
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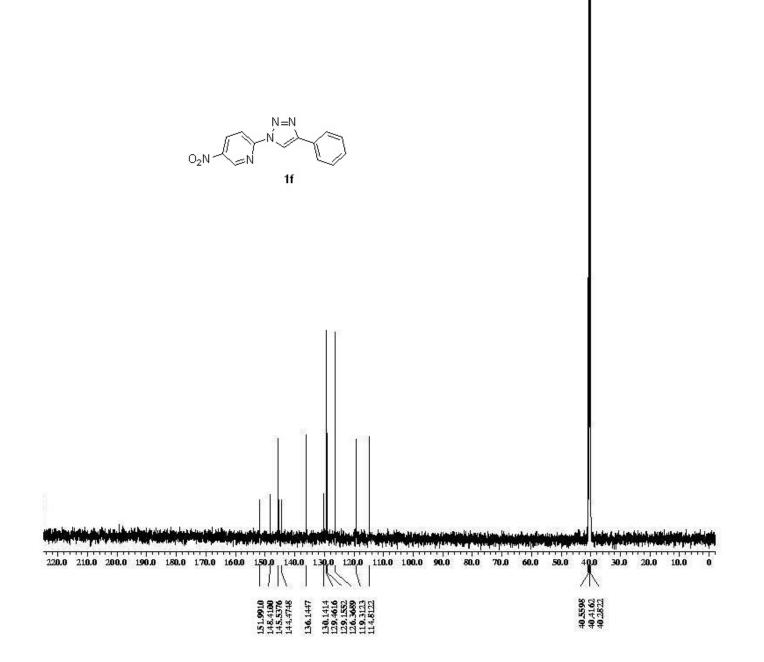
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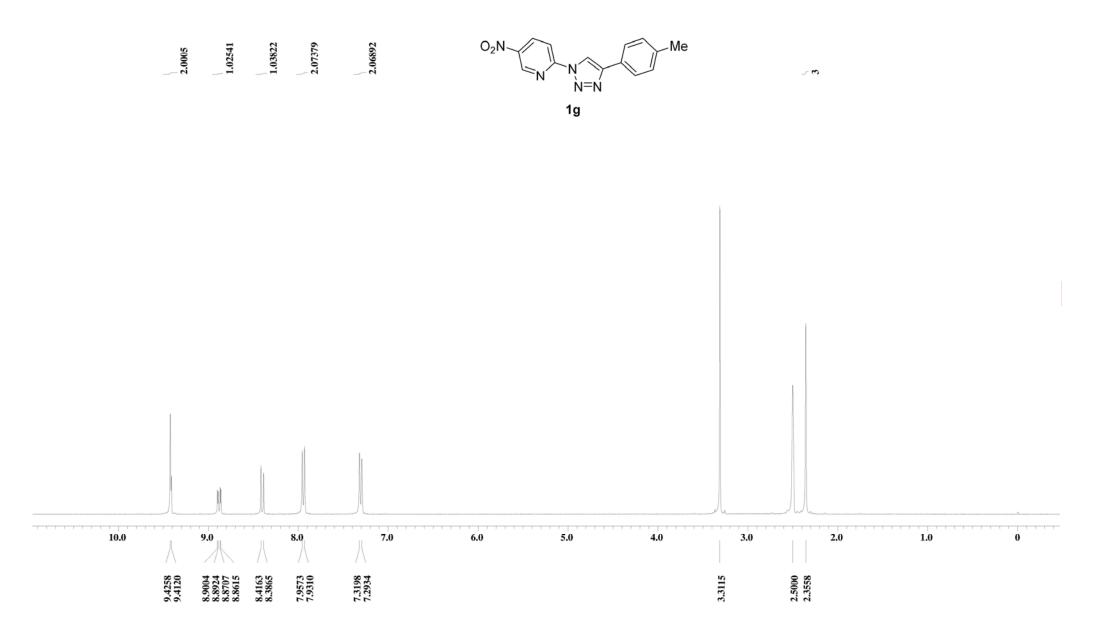
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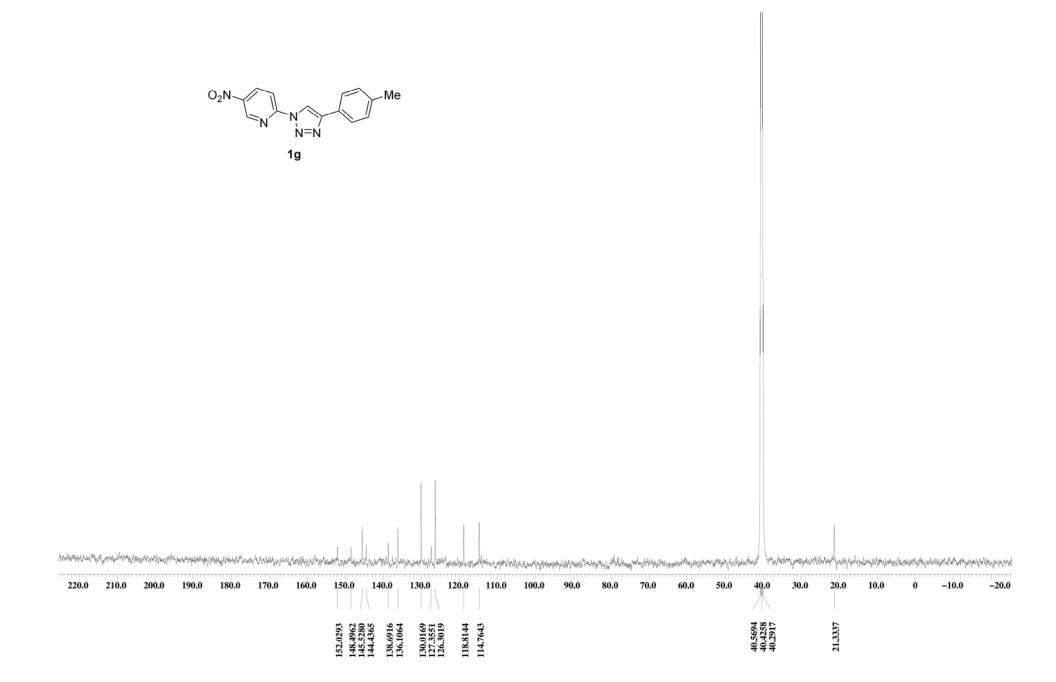


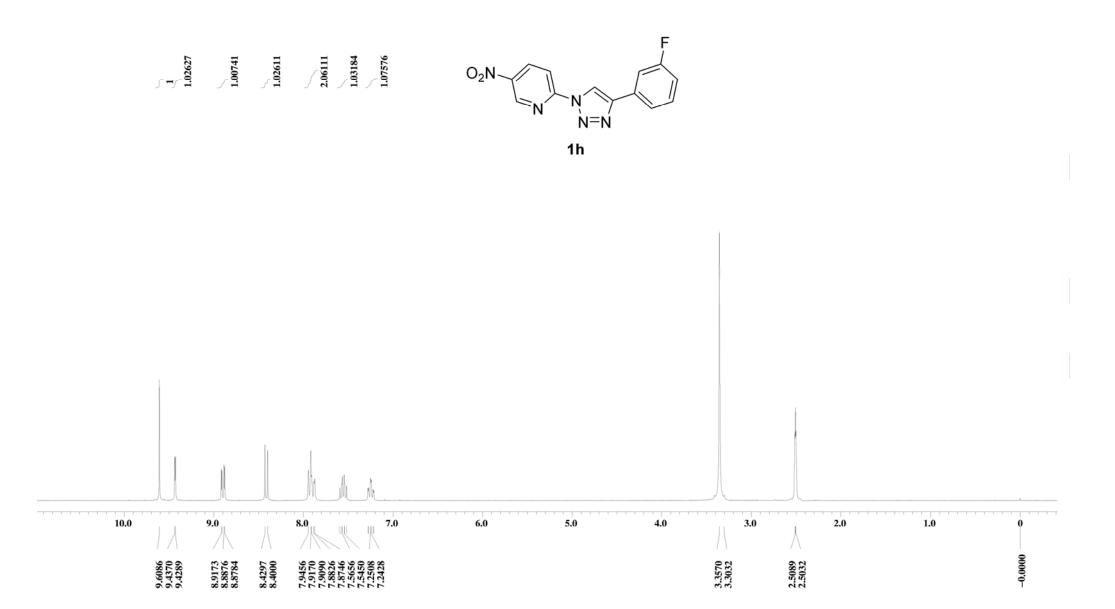
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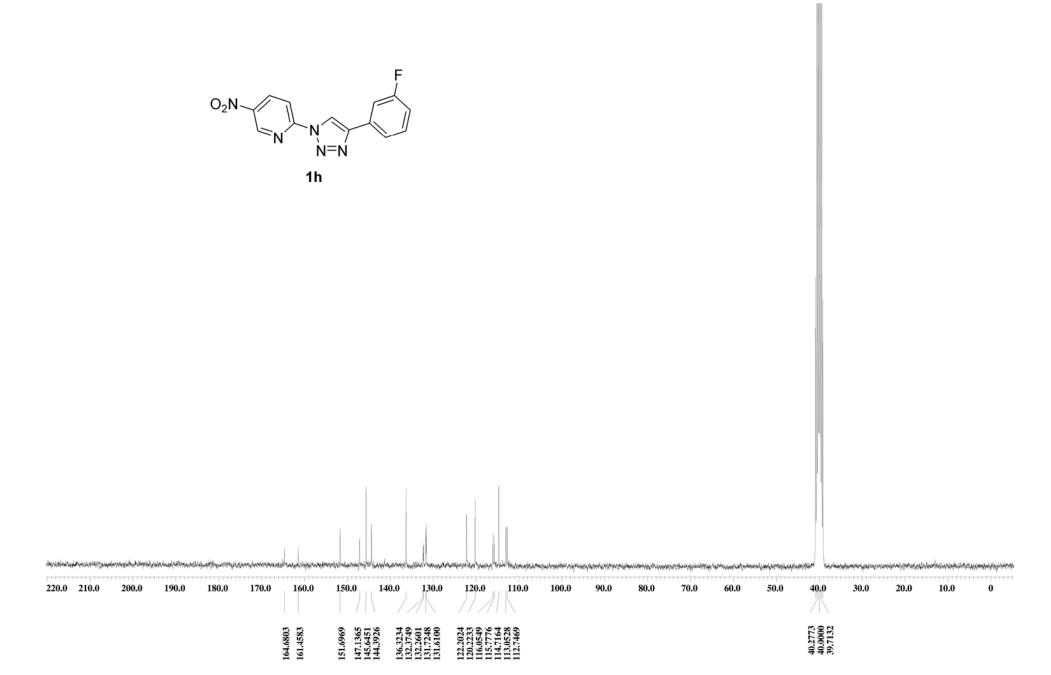


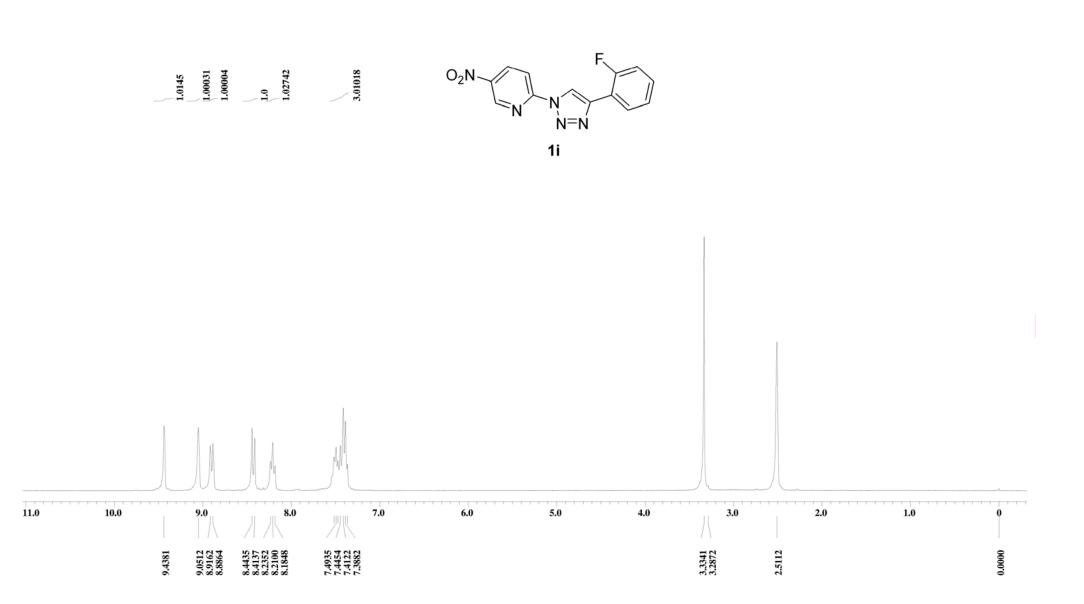


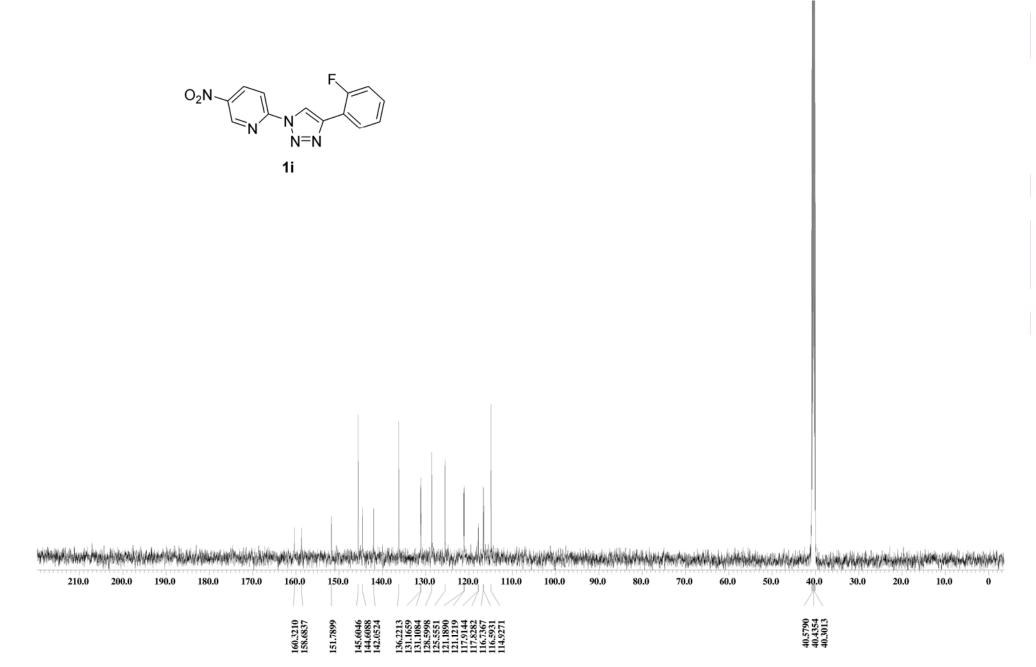


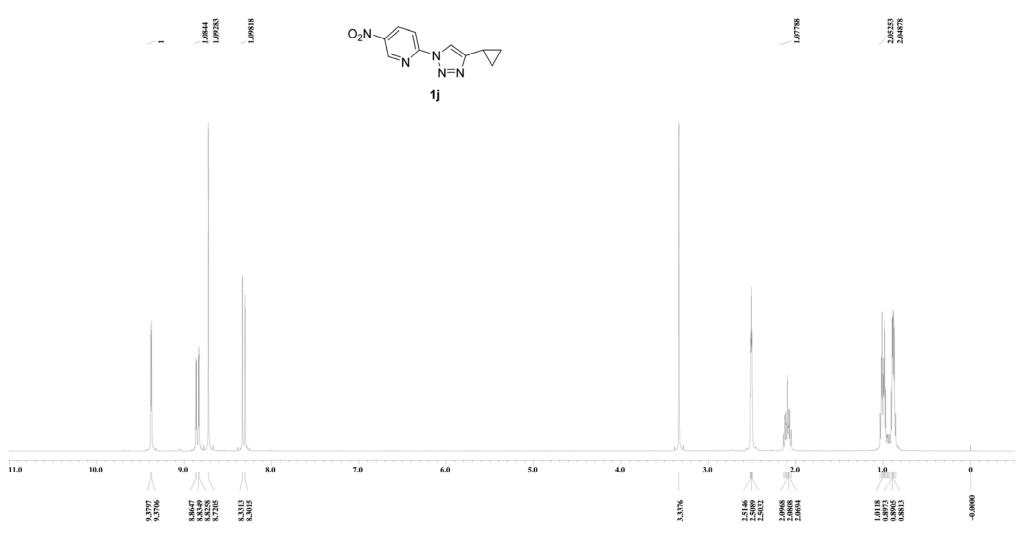




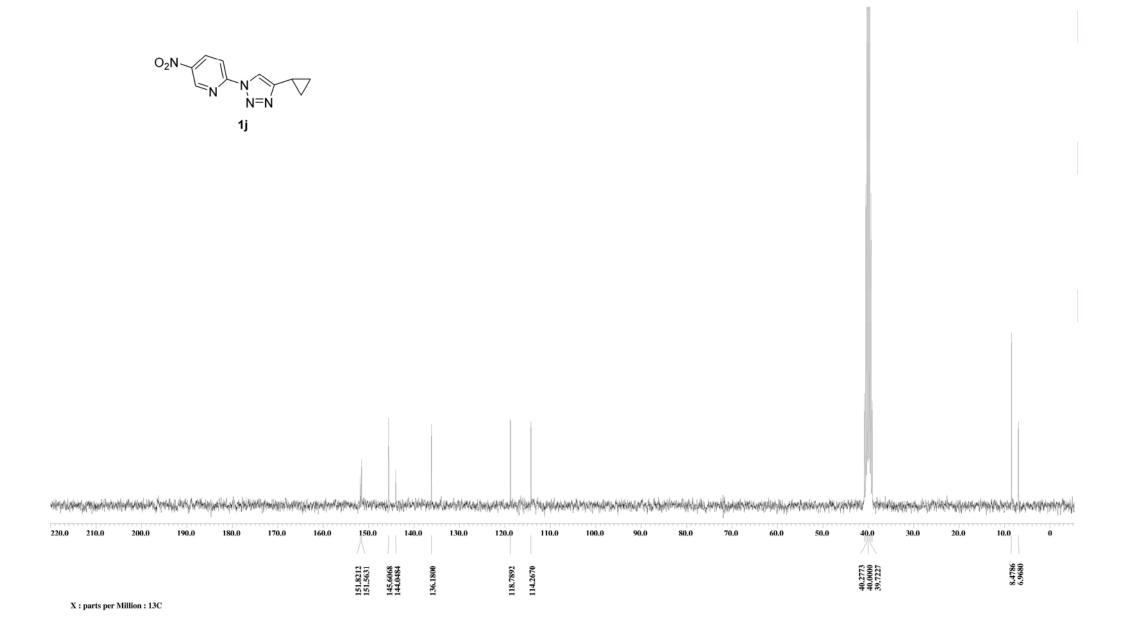


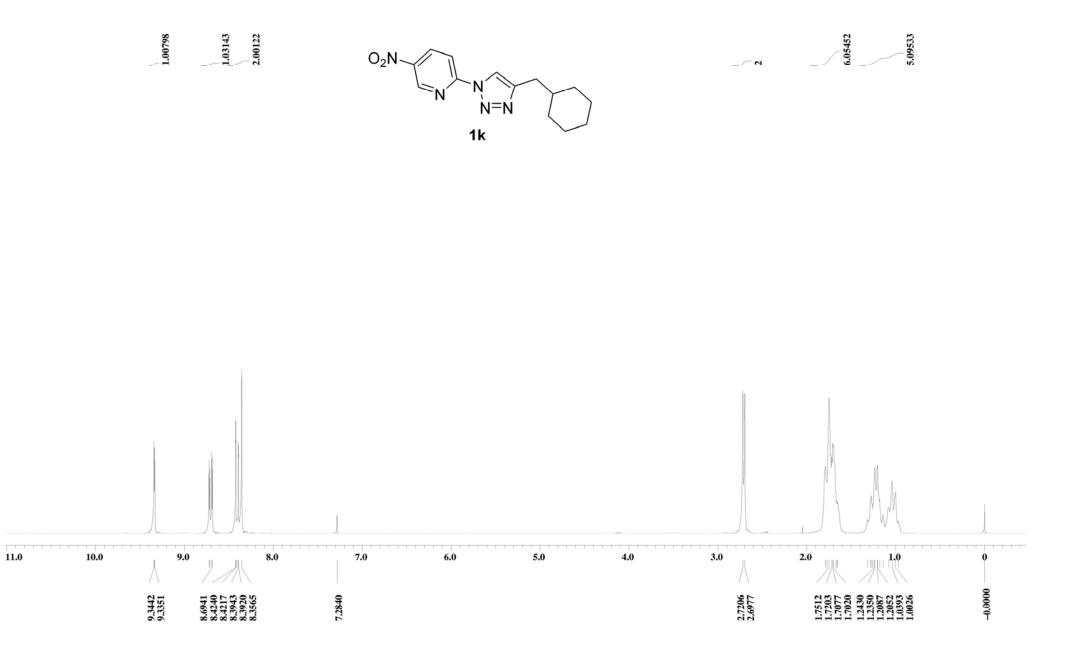


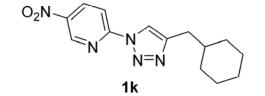




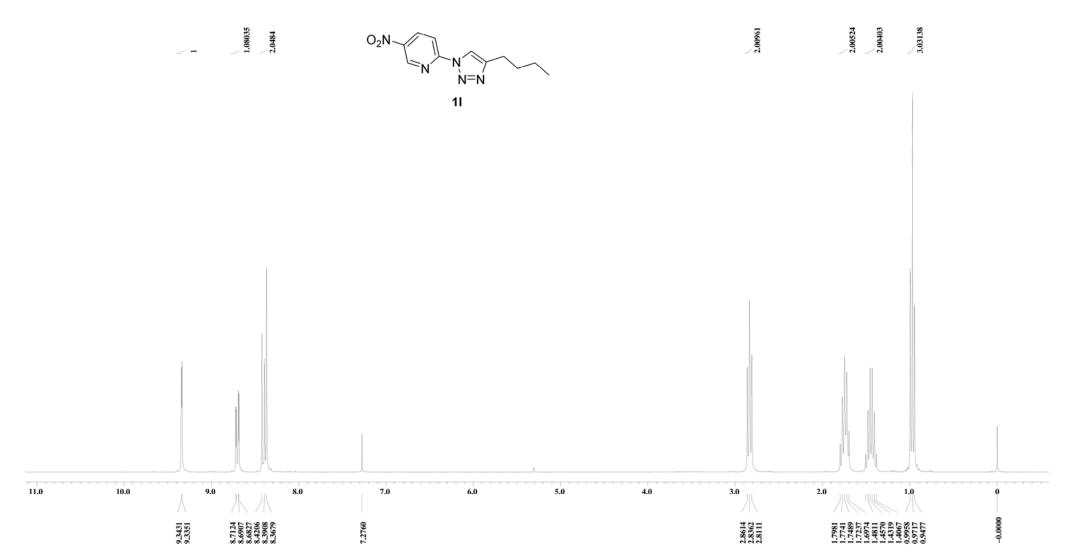
X : parts per Million : 1H



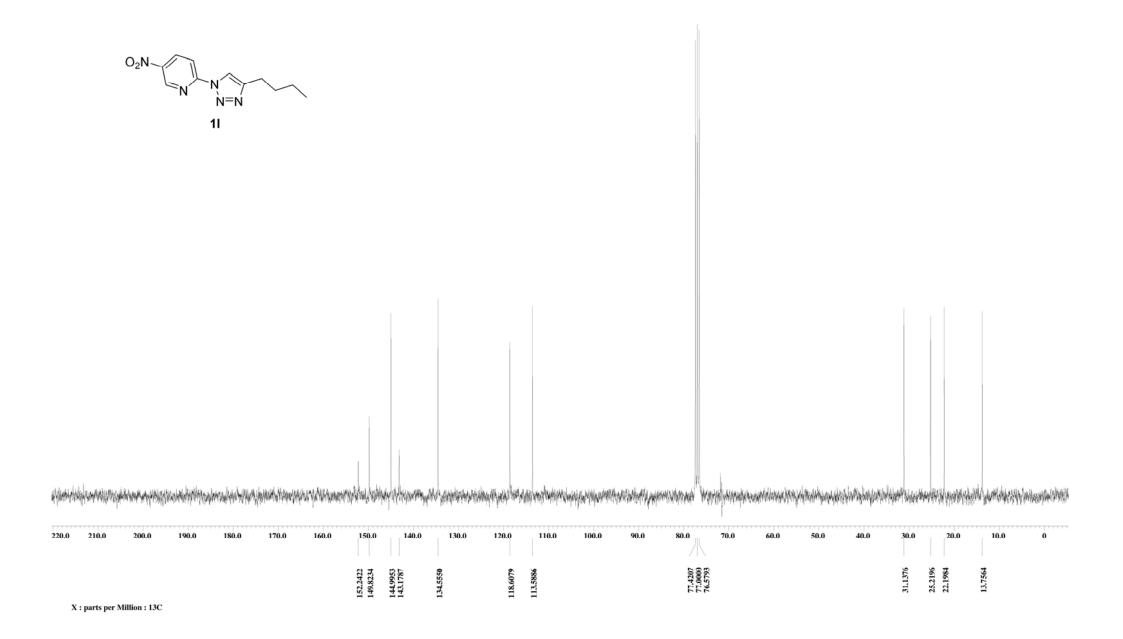


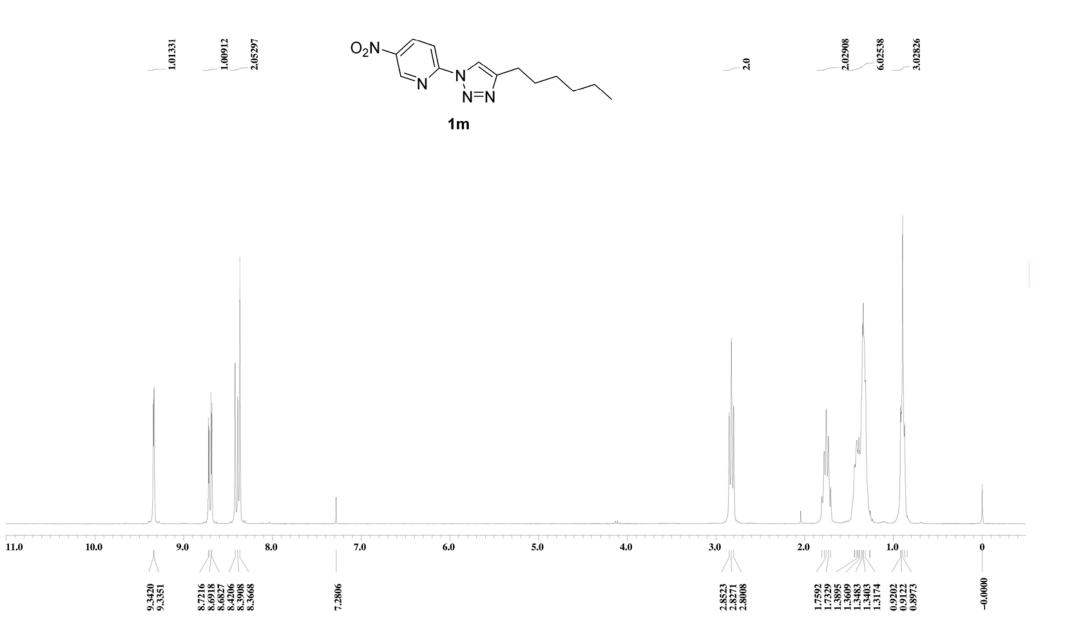


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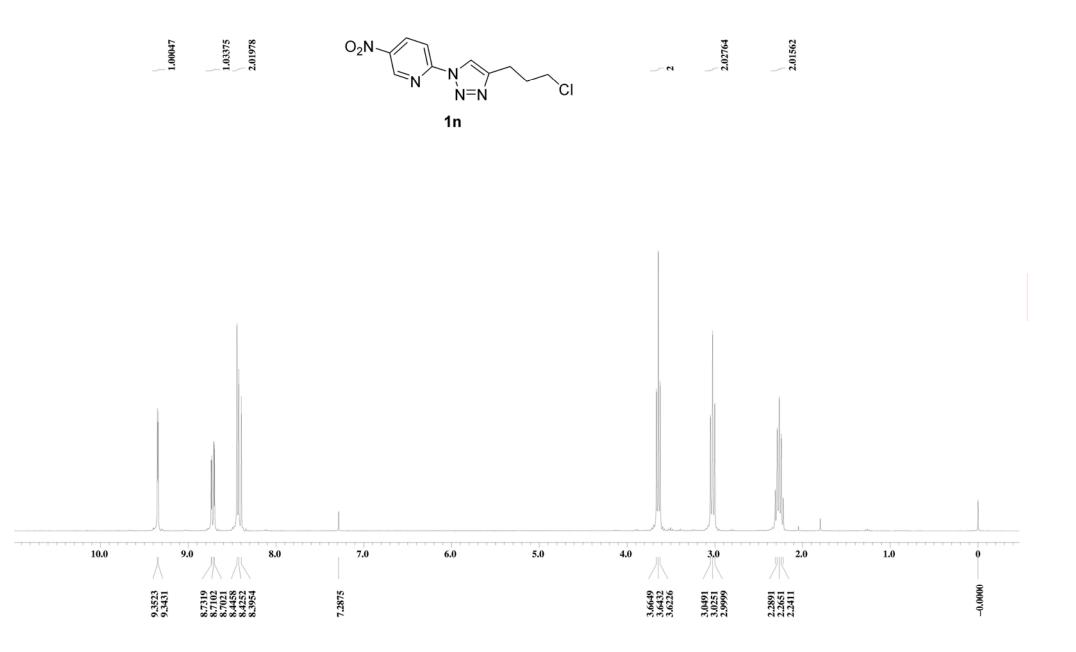


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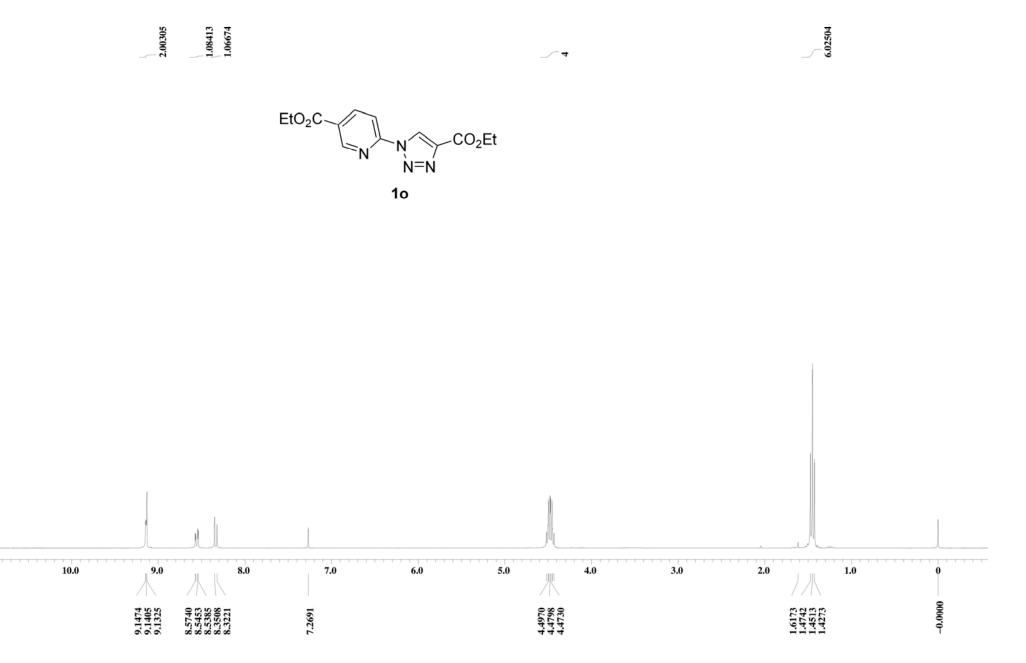


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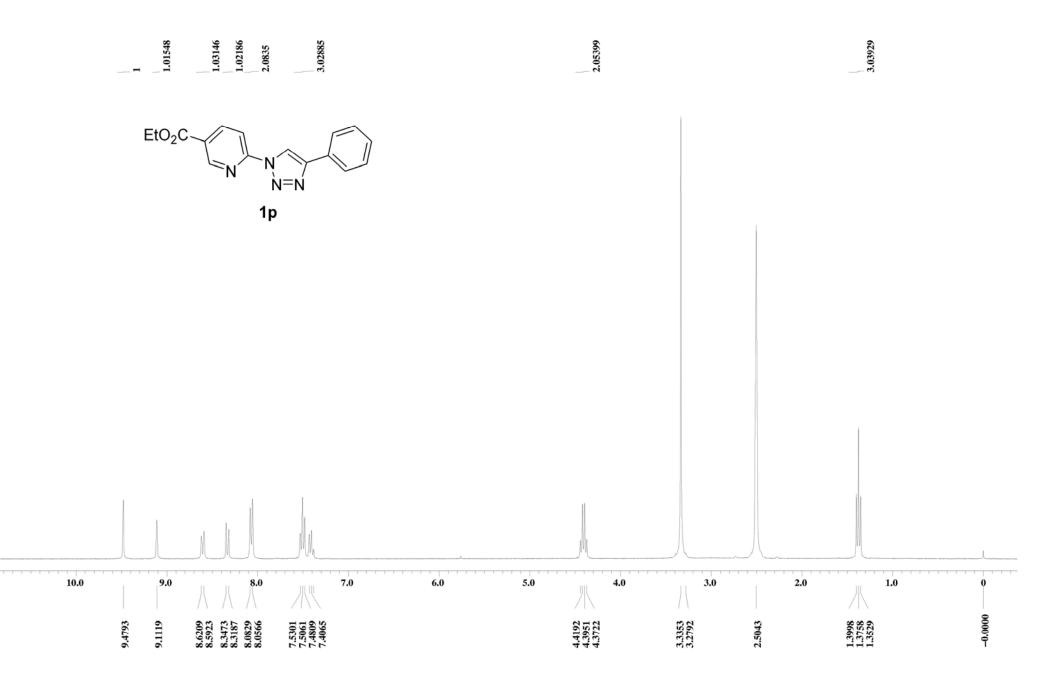
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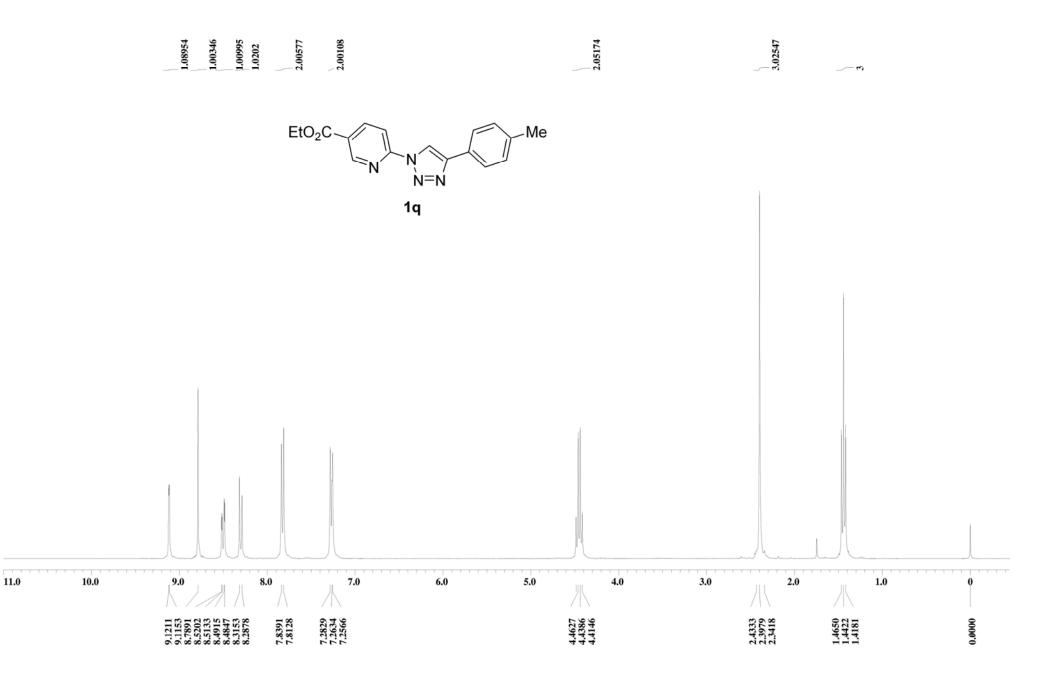


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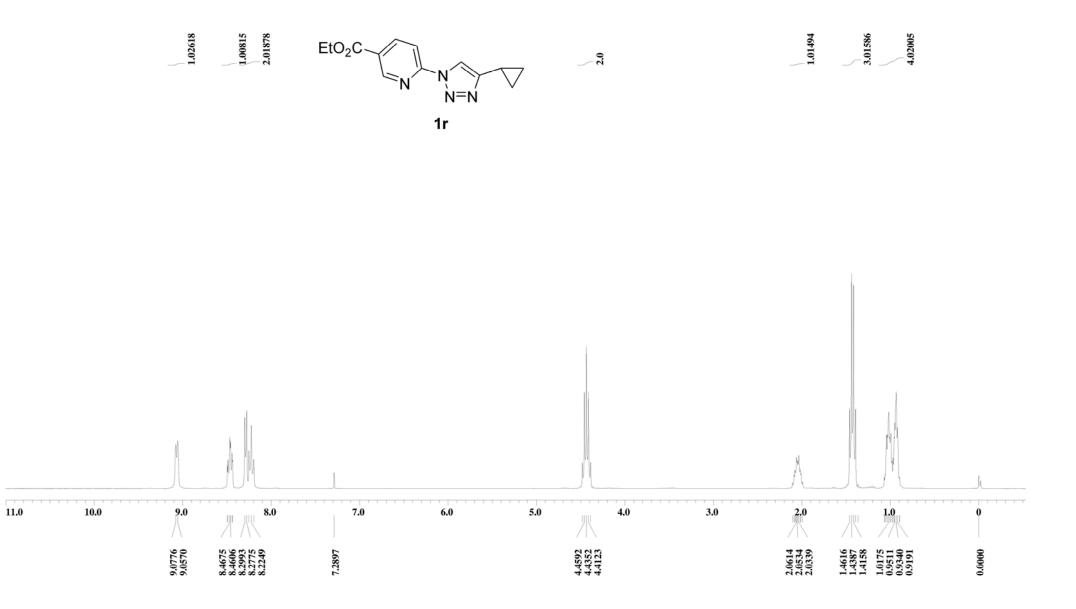


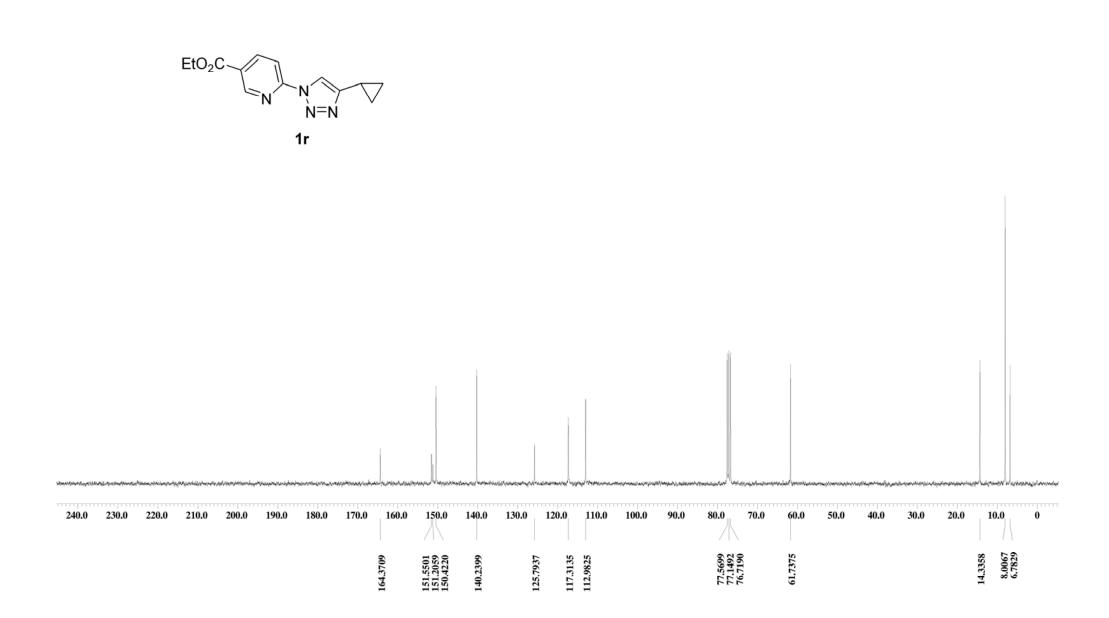
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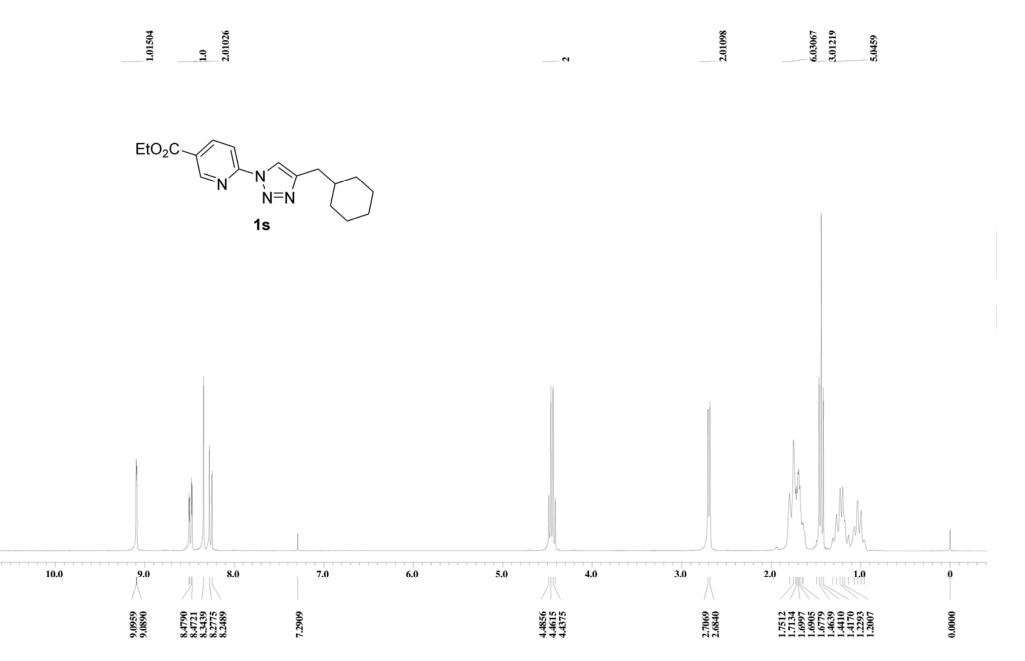


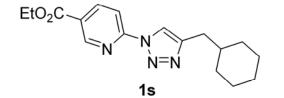
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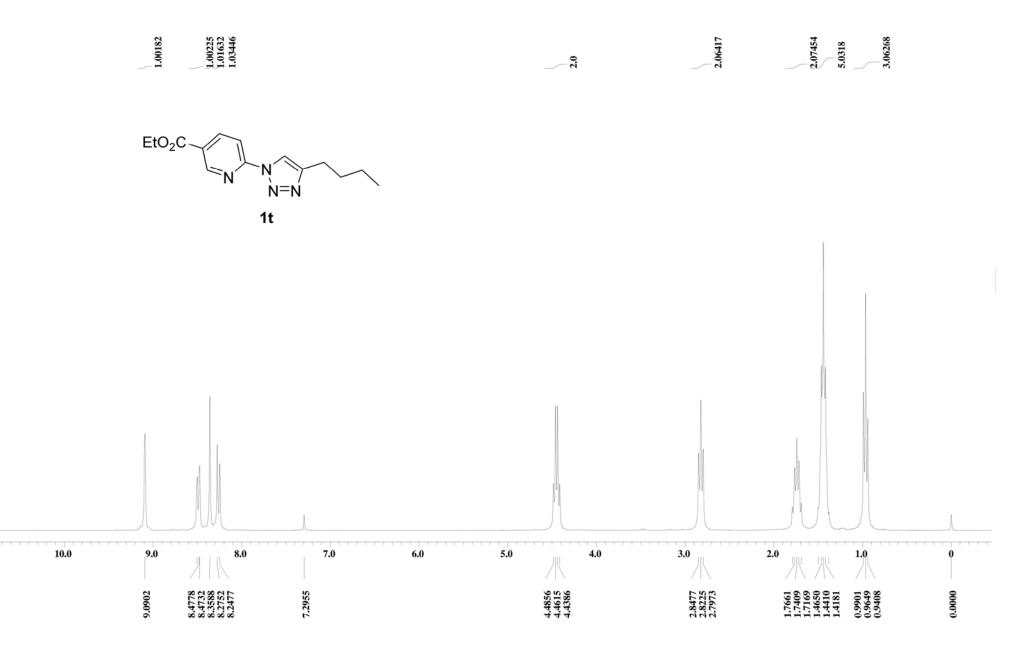






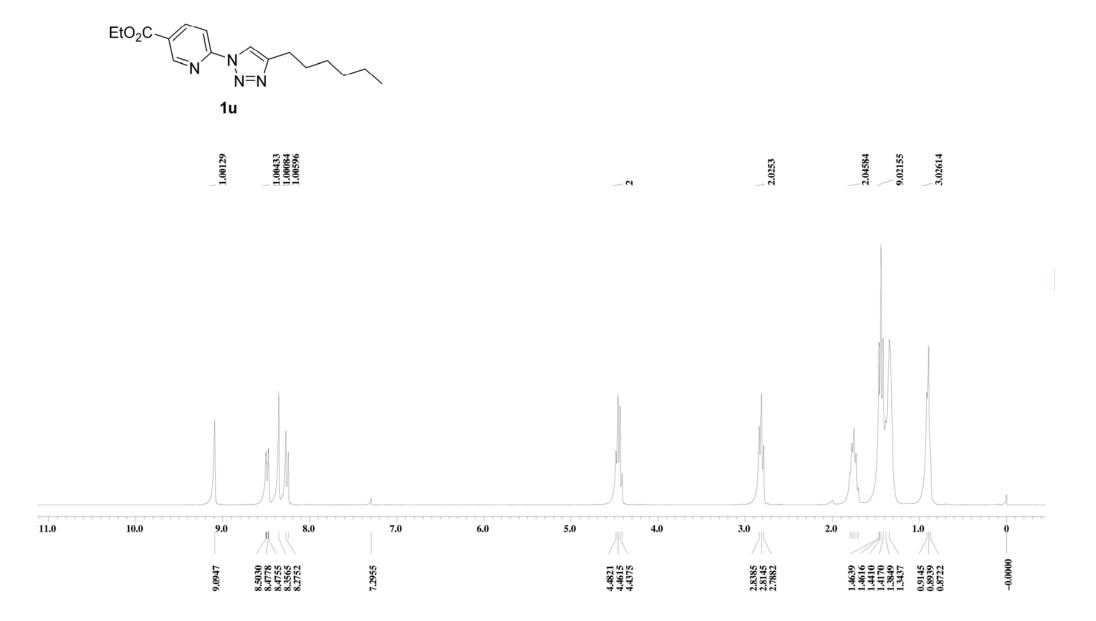


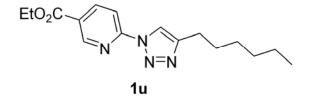
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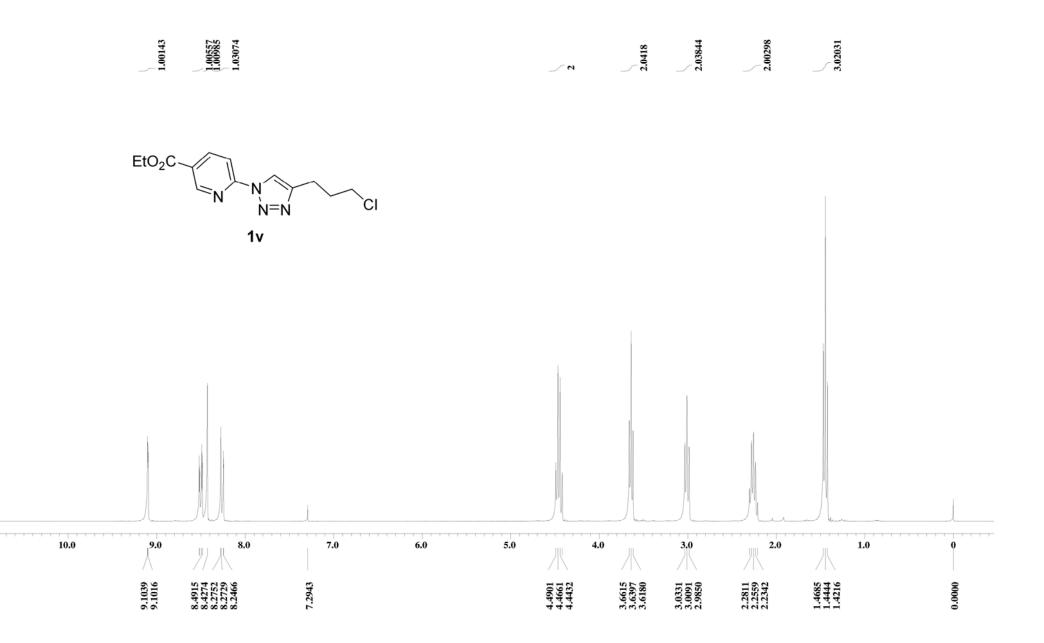
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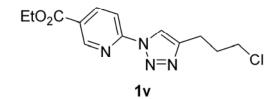




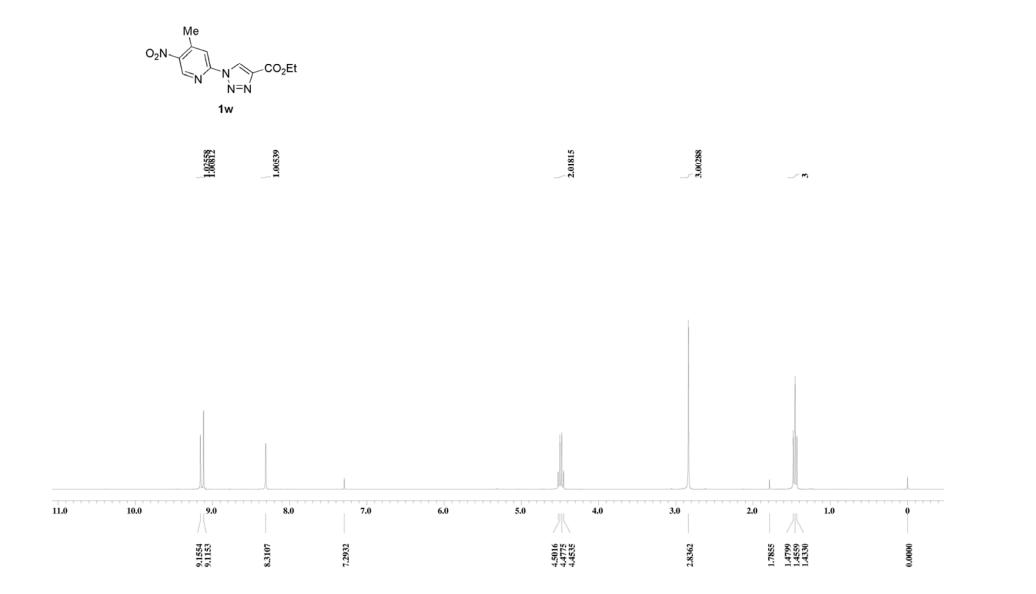
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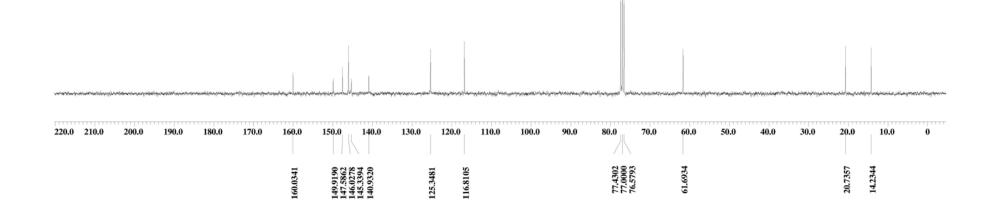




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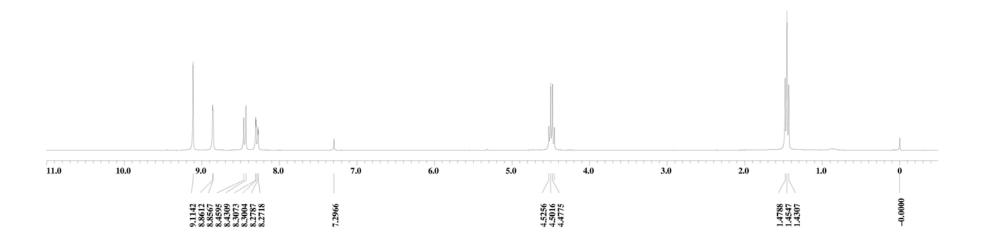


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 $\frac{NC}{N} \xrightarrow{N} \frac{N}{N=N} CO_2 Et$ 1x

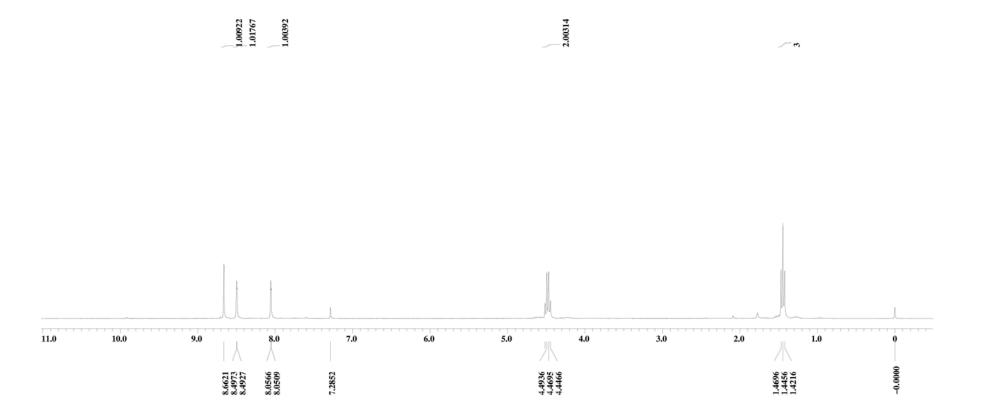
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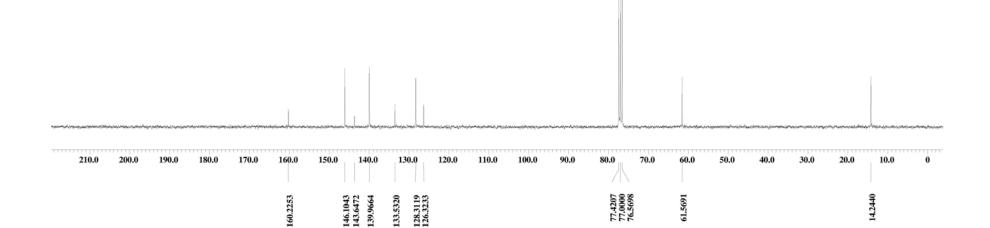
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 $CI \xrightarrow{V}_{N} \xrightarrow{V}_{N=N} CO_2 Et$ 1y



N=N 1z

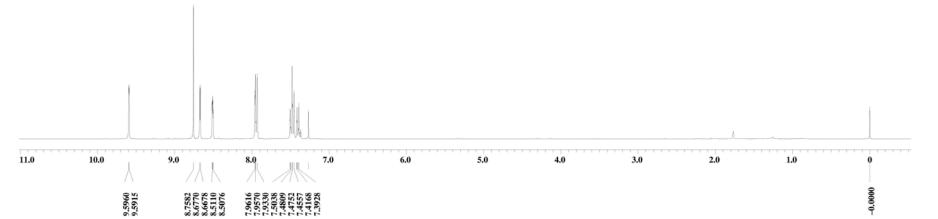




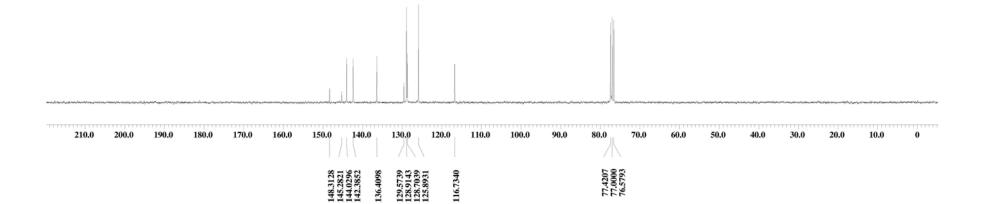


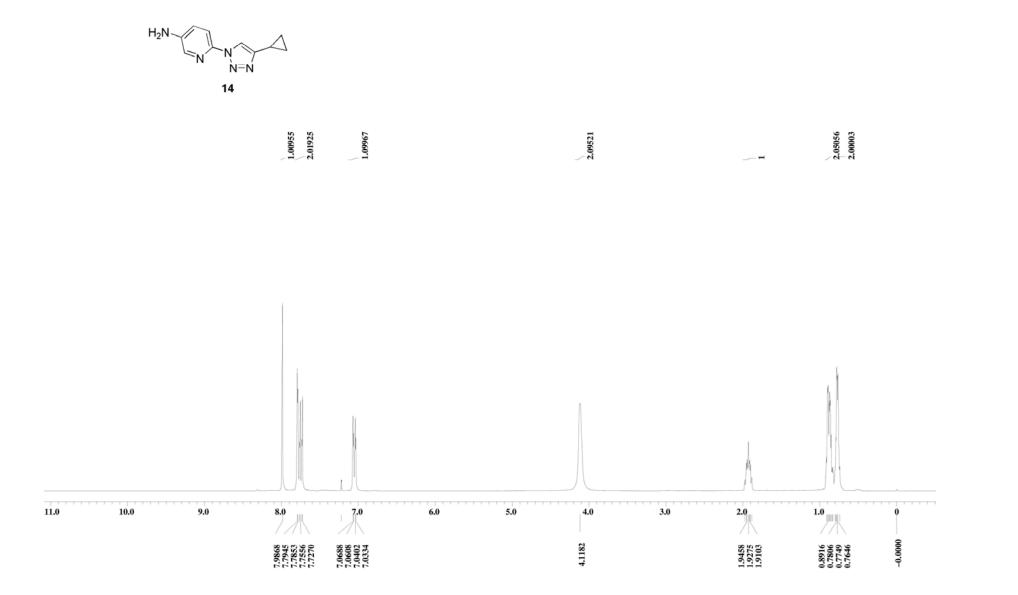




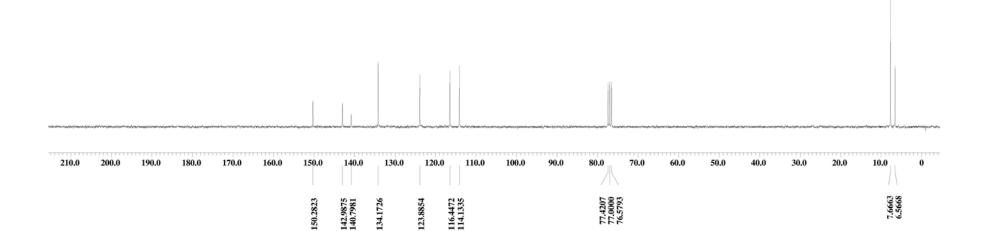


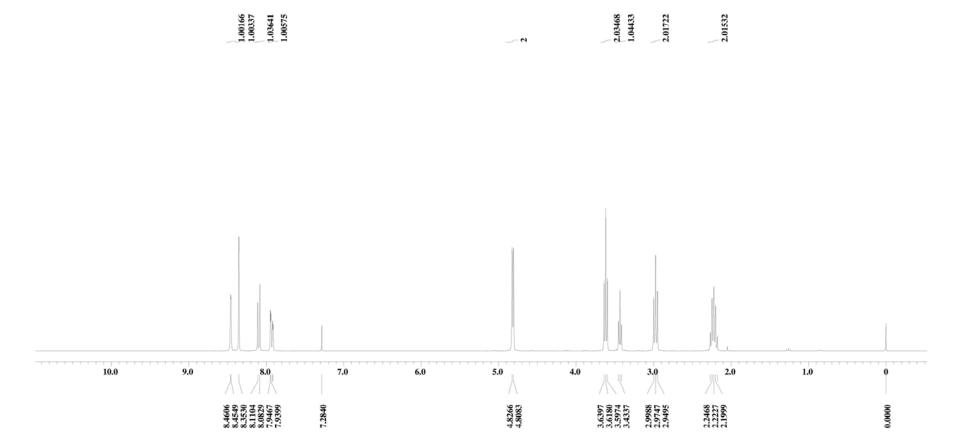
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H₂N-N=N 14





HO 'n=ń `CI 15

