

Supplementary Material

Synthesis, structural characterization and cytotoxic activity of heterocyclic compounds containing the furoxan ring

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Table of Contents

Cytotoxicity results	S2
Copies of NMR spectra	S4

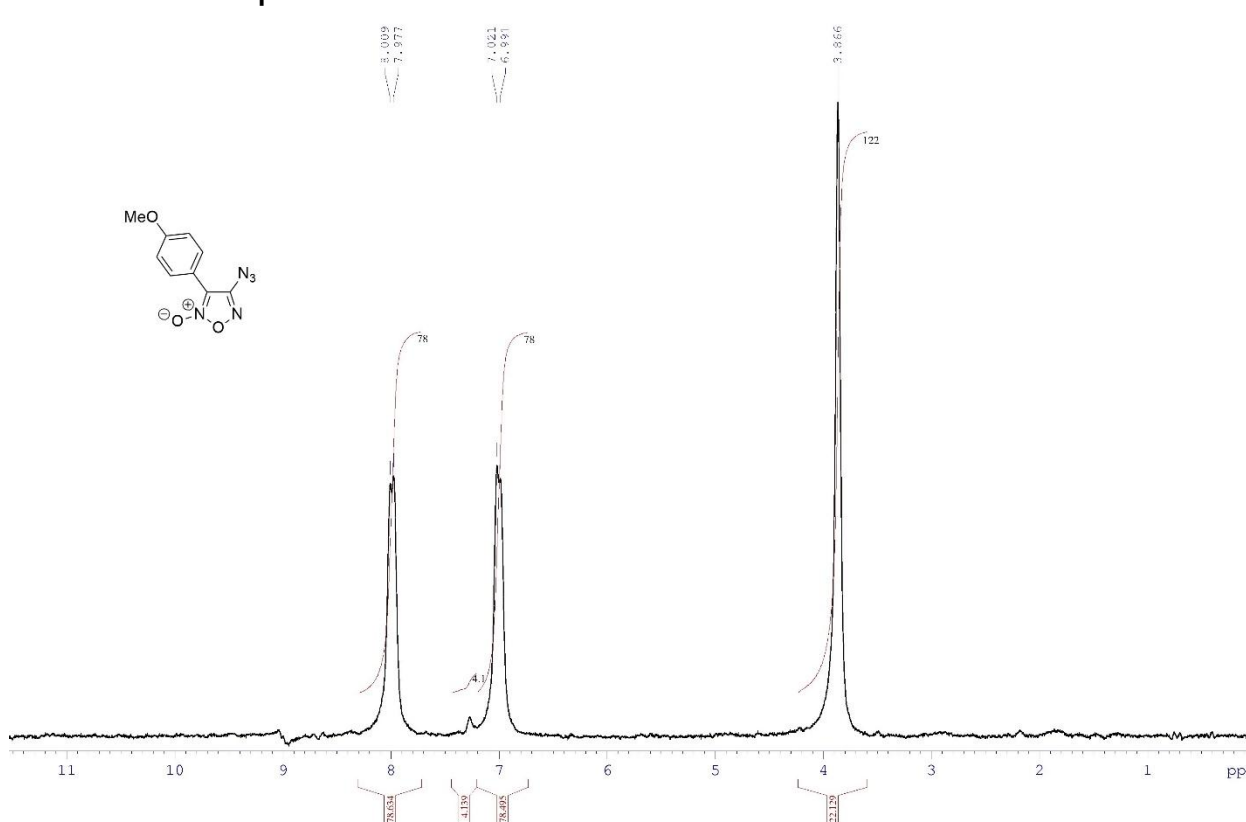
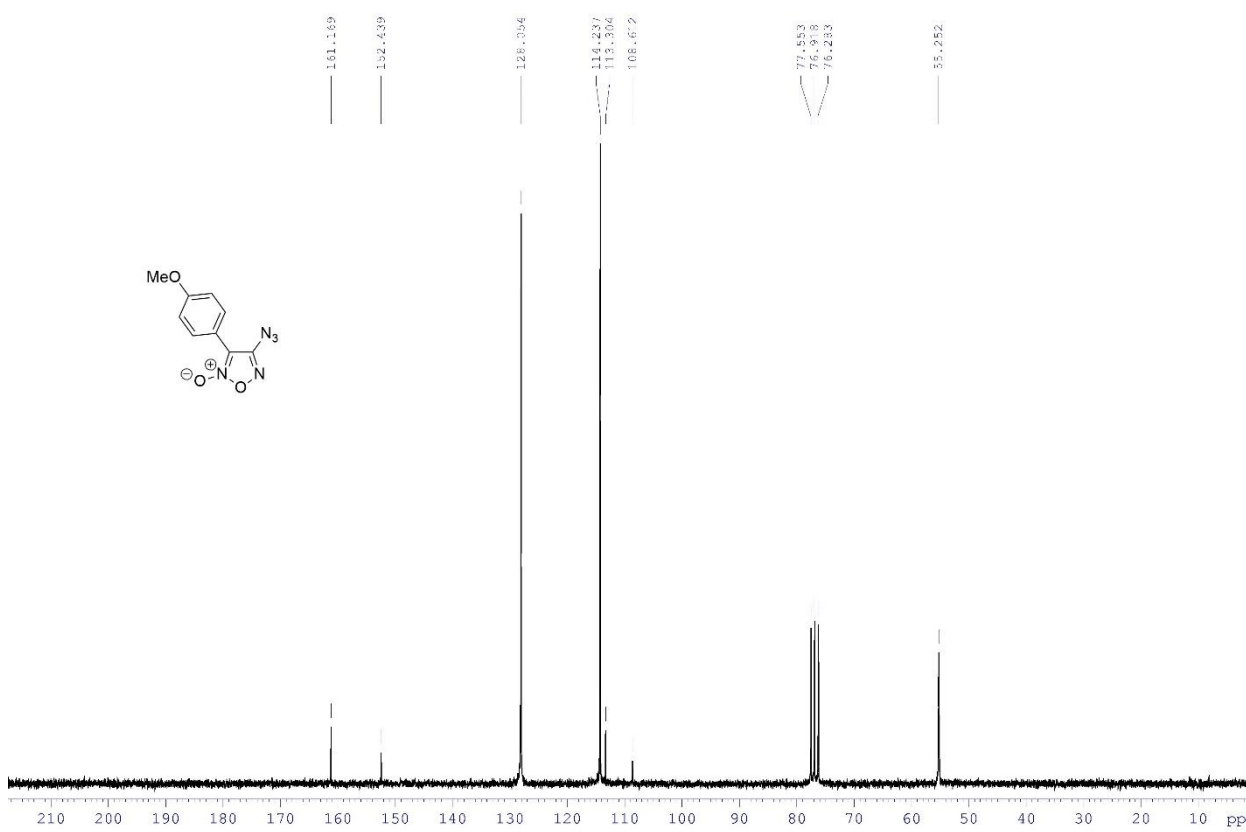
Cytotoxicity results

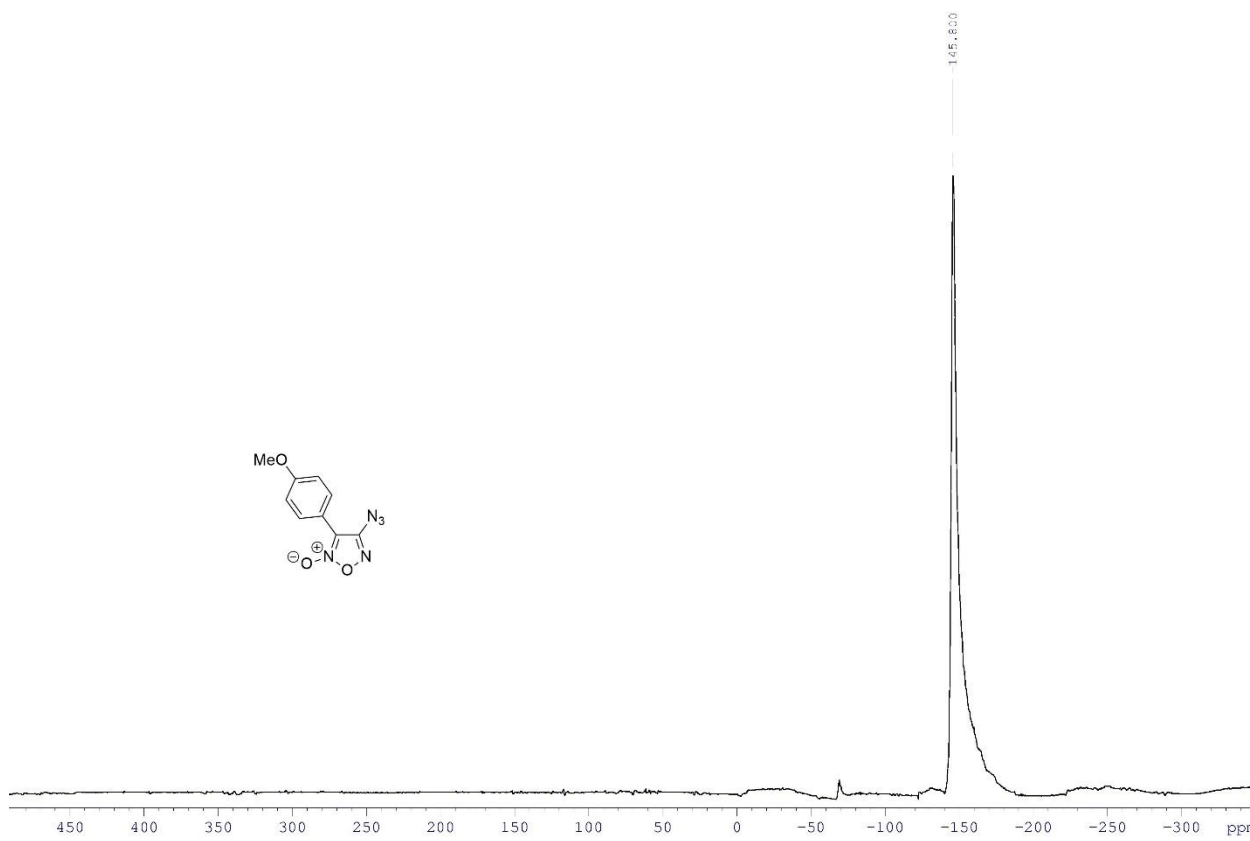
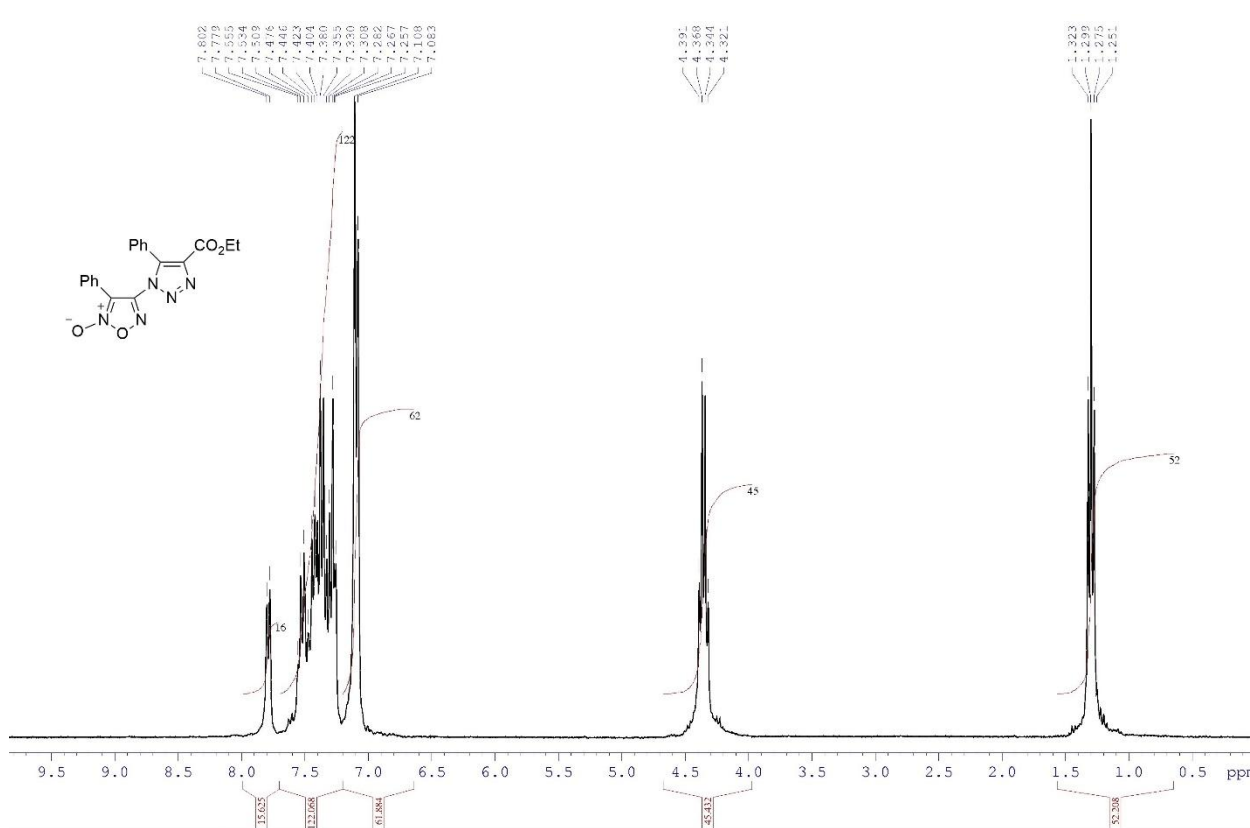
Table S1. Cytotoxicity results of hetarylfuloxans **1-5**

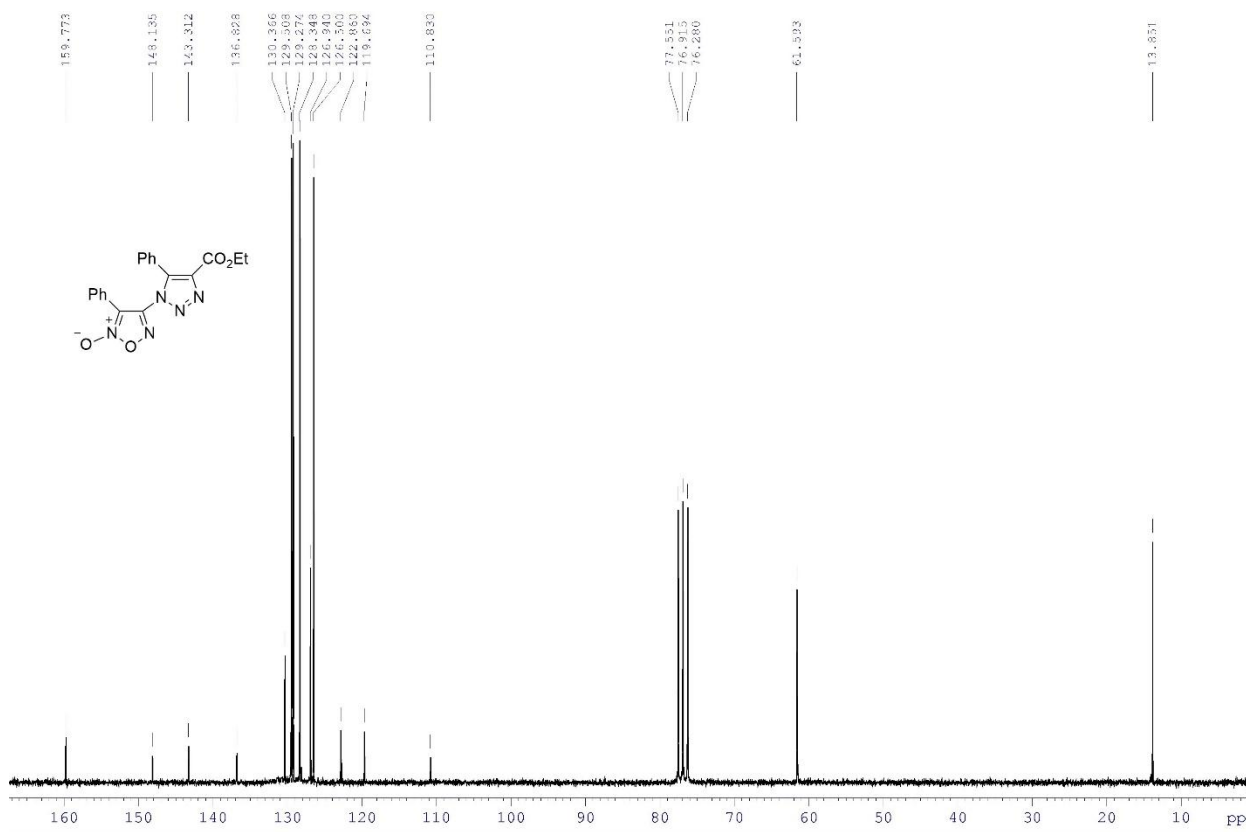
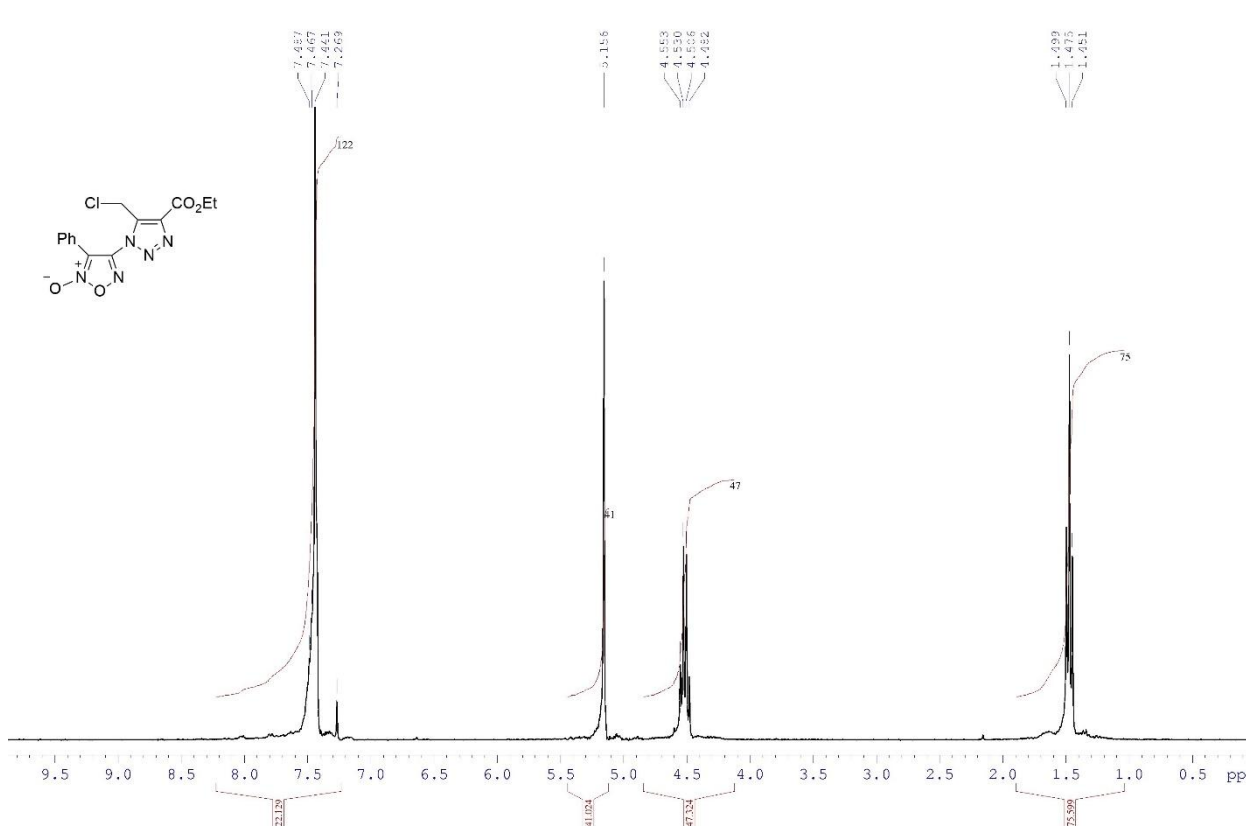
Compound	IC ₅₀ , μM					
	A549	HCT116	HeLa	MCF7	RD	HEK293
1a	11.14±0.01	51.25±0.70	11.34±0.02	46.26±0.22	10.39±0.05	195.38±1.49
1b	74.95±0.59	98.85±1.53	133.04±0.23	>200	72.23±1.64	N/T
1c	167.18±1.44	>200	>200	>200	140.94±5.61	N/T
1d	>200	97.27±3.29	>200	>200	176.14±2,87	N/T
2a	145.79±37.47	99.87±4.17	80.26±23.68	115.53±0.36	87.75±0.49	N/T
2b	8.75±0.45	2.37±0.01	4.55±0.05	3.38±0.14	3.04±0.26	20.44±0.17
2c	>200	>200	>200	>200	>200	N/T
2d	>200	>200	>200	>200	>200	N/T
2e	197.67±10.59	189.25±30.33	64.31±2.18	45.30±0.32	101.45±1.96	N/T
2f	>200	>200	>200	>200	>200	N/T
3a	115.90±3.53	24.80±2.72	>200	>200	>200	N/T
3b	>200	>200	>200	>200	>200	N/T
3c	129.37±1.28	94.19±5.88	92.82±1.05	118.84±4.77	118.38±0.89	N/T
3d	20.67±0.31	16.27±1.00	8.14±0.01	9.26±0.06	10.82±0.02	68.49±0.60
3e	>200	>200	>200	>200	>200	N/T
3f	>200	>200	>200	>200	>200	N/T
3g	172.77±14.49	70.59±1.29	49.65±1.26	127.17±0.19	90.82±2.33	N/T
4a	23.52±1.85	49.44±5.17	5.60±0.21	31.80±2.43	2.98±0.02	61.01±1.83
4b	39.86±2.59	44.40±3.77	21.44±3.08	29.47±1.91	11.77±0.50	69.37±3.82
4c	10.67±3.86	12.77±1.11	1.97±0.40	7.81±0.08	0.53±0.00	20.46±2.00
4d	14.73±0.99	23.58±2.04	3.69±0.19	22.34±0.48	3.49±0.03	39.93±4.83
4e	28.29±2.17	45.13±3.45	5.91±0.27	39.24±3.71	9.71±0.79	58.64±1.95
5a	>200	>200	>200	>200	>200	N/T
5b	32.32±0.20	75.60±2.65	40.94±1.40	>200	54.65±0.55	N/T
5c	>200	180.77±6.15	>200	>200	116.37±8.18	N/T
5d	>200	>200	>200	>200	>200	N/T
5e	>200	>200	>200	>200	>200	N/T
5f	158.13±10.22	80.39±2.06	65.71±7.58	182.79±12.60	78.36±1.98	N/T
5g	>200	>200	>200	>200	>200	N/T
5h	>200	>200	>200	>200	>200	N/T
5i	>200	>200	>200	>200	178.98±6.35	N/T

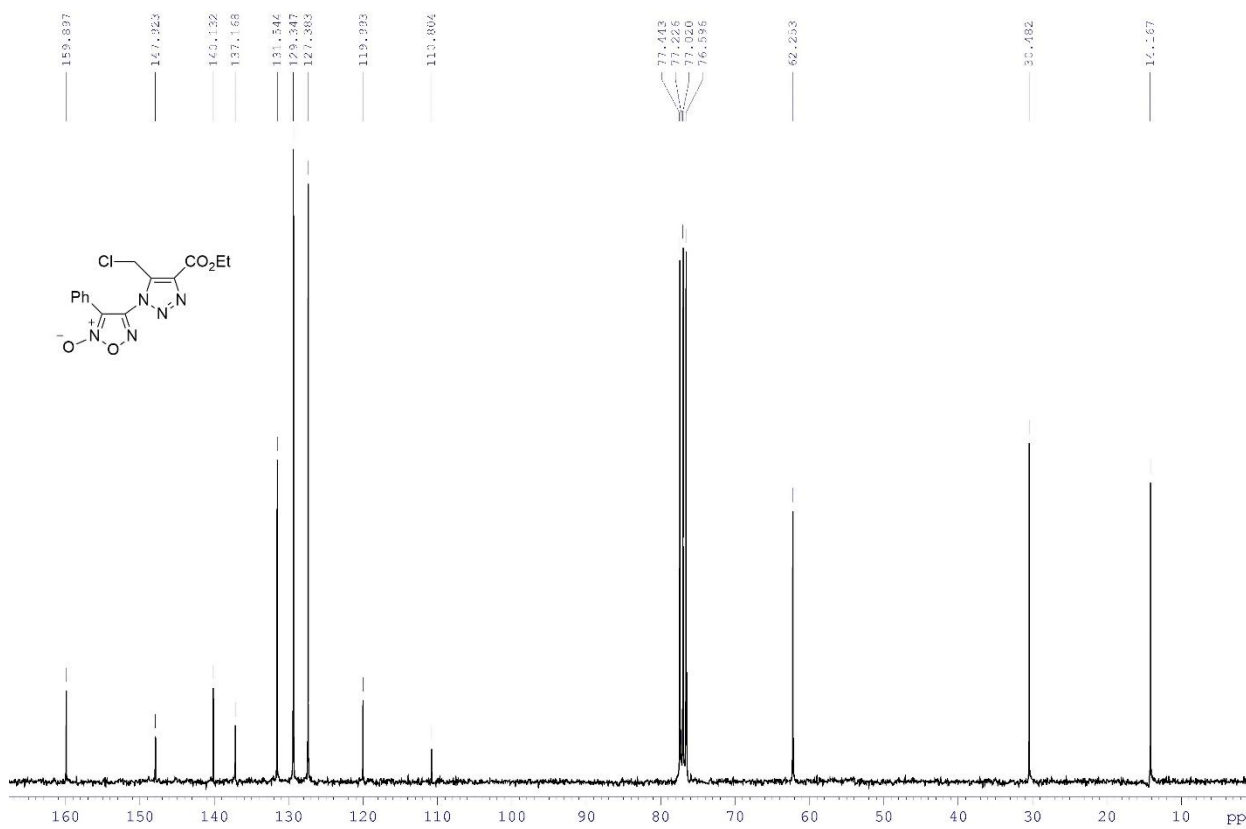
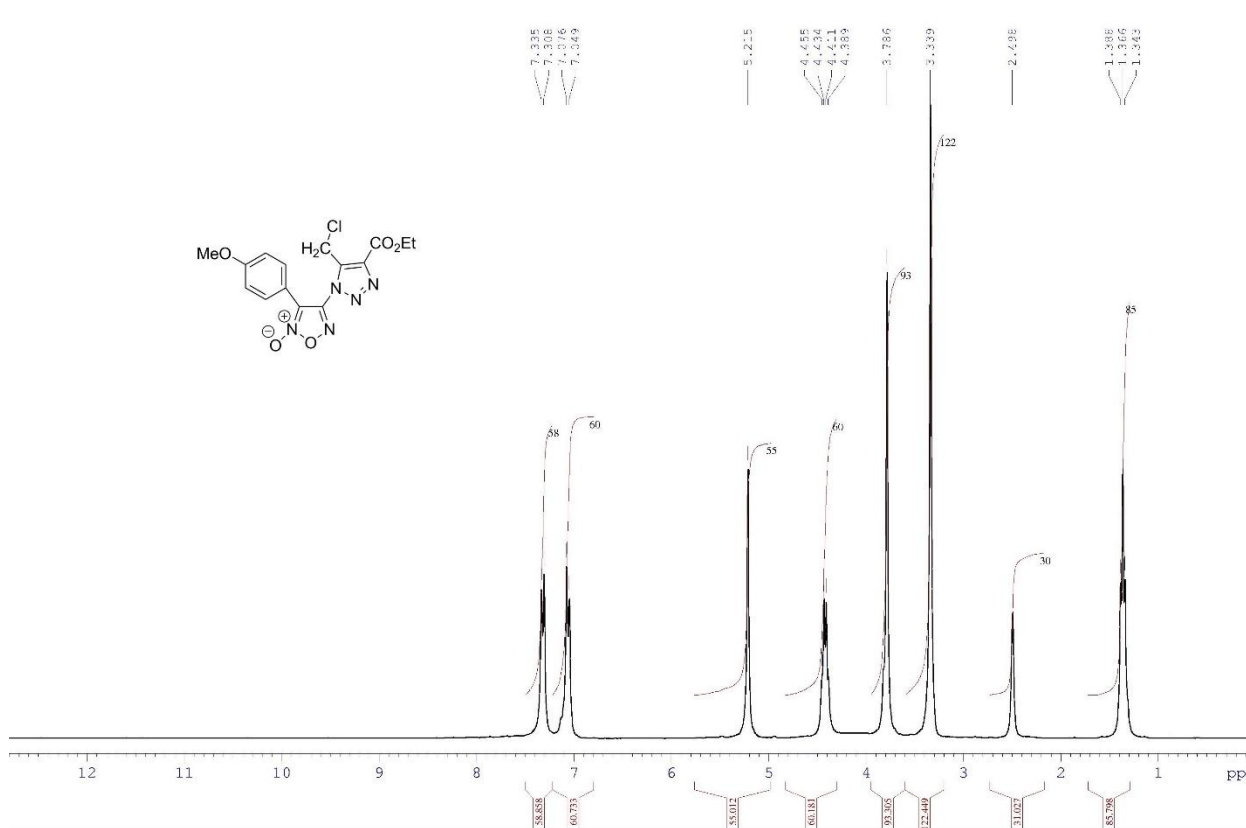
5j	107.48±1.28	>200	118.83±1.75	>200	78.30±1.23	N/T
5k	>200	>200	>200	>200	185.95±9.20	N/T
5l	159.45±1.55	>200	>200	>200	119.47±1.83	
5m	>200	>200	>200	>200	>200	
5n	>200	170.82±7.56	>200	>200	90.16±0.34	
Camptothecin	3.32±0.02	0.06±0.00	0.33±0.07	34.97±0.30	16.00±0.22	112.68±5.55

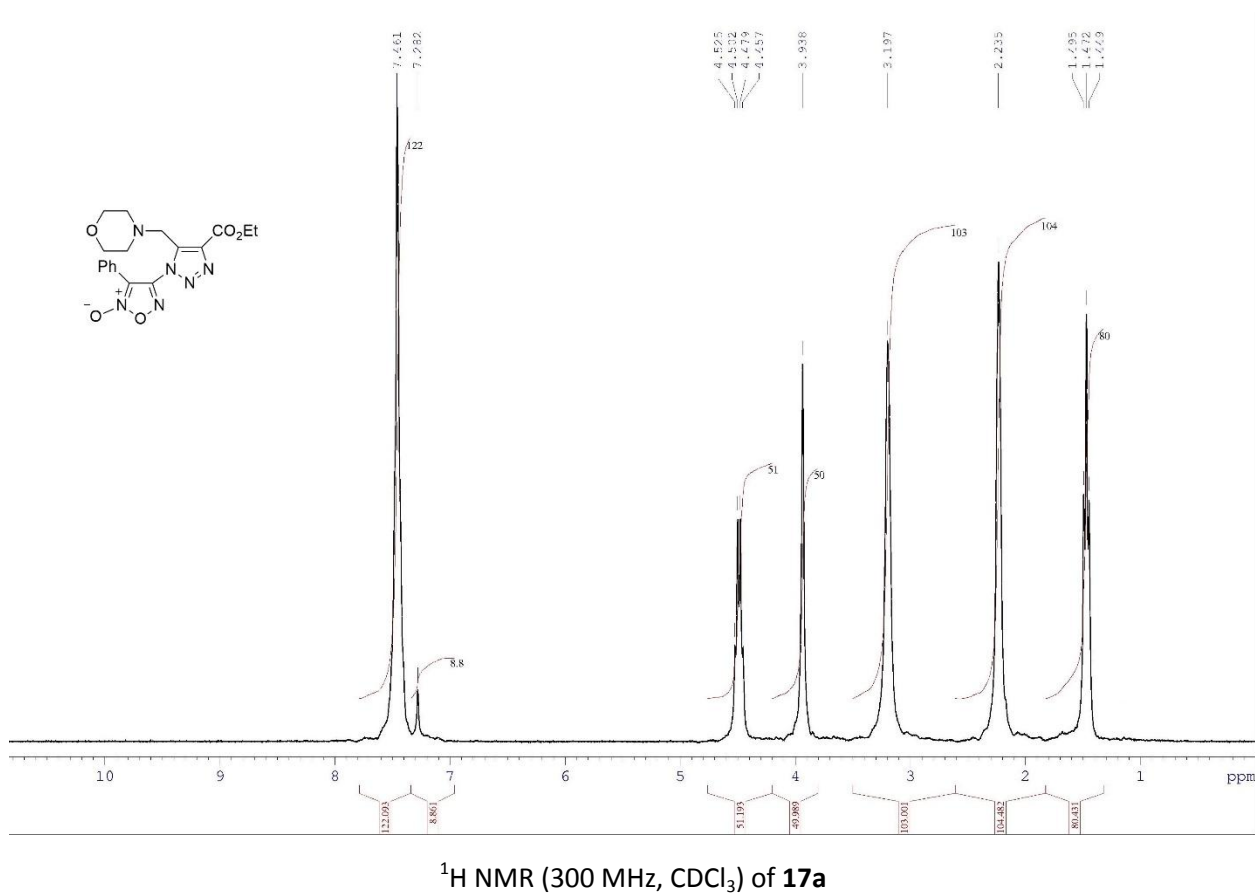
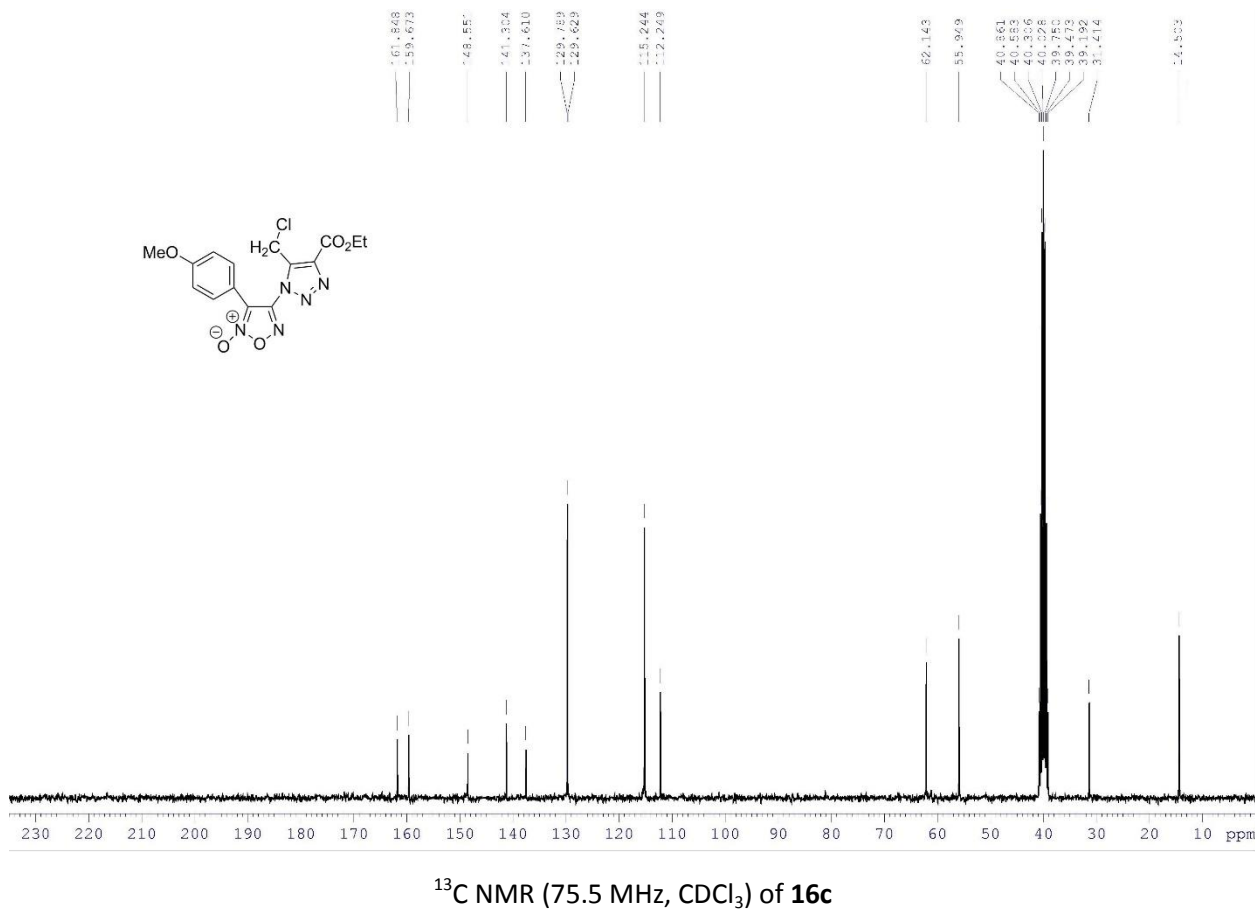
Copies of NMR spectra

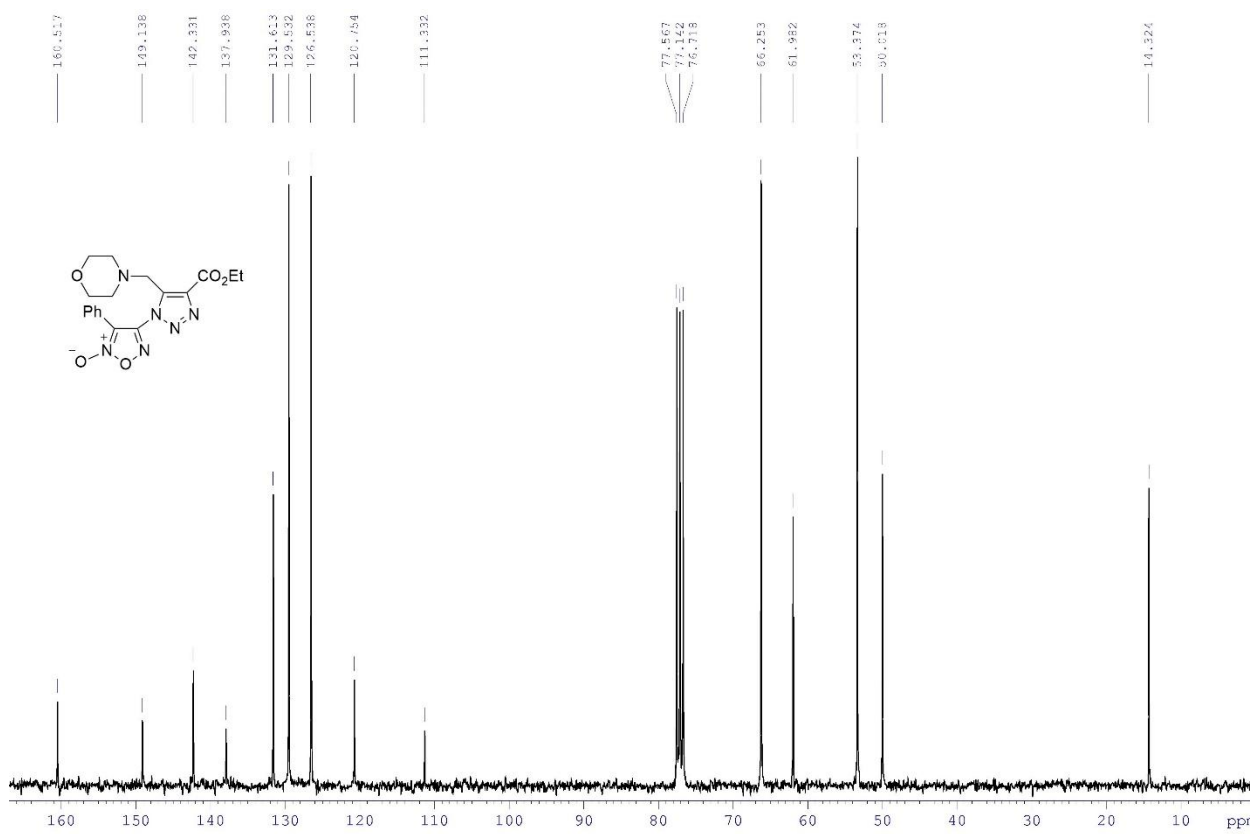
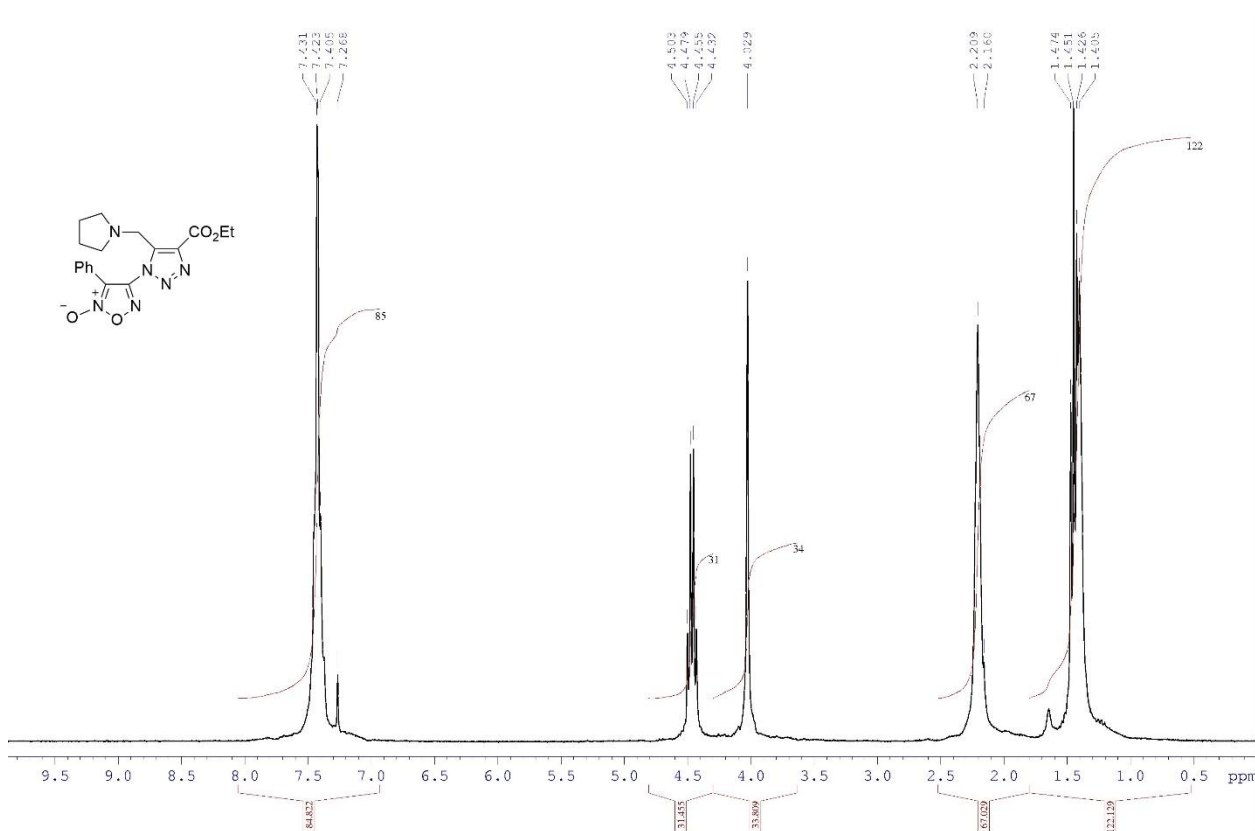
 ^1H NMR (300 MHz, CDCl_3) of **14b** ^{13}C NMR (75.5 MHz, CDCl_3) of **14b**

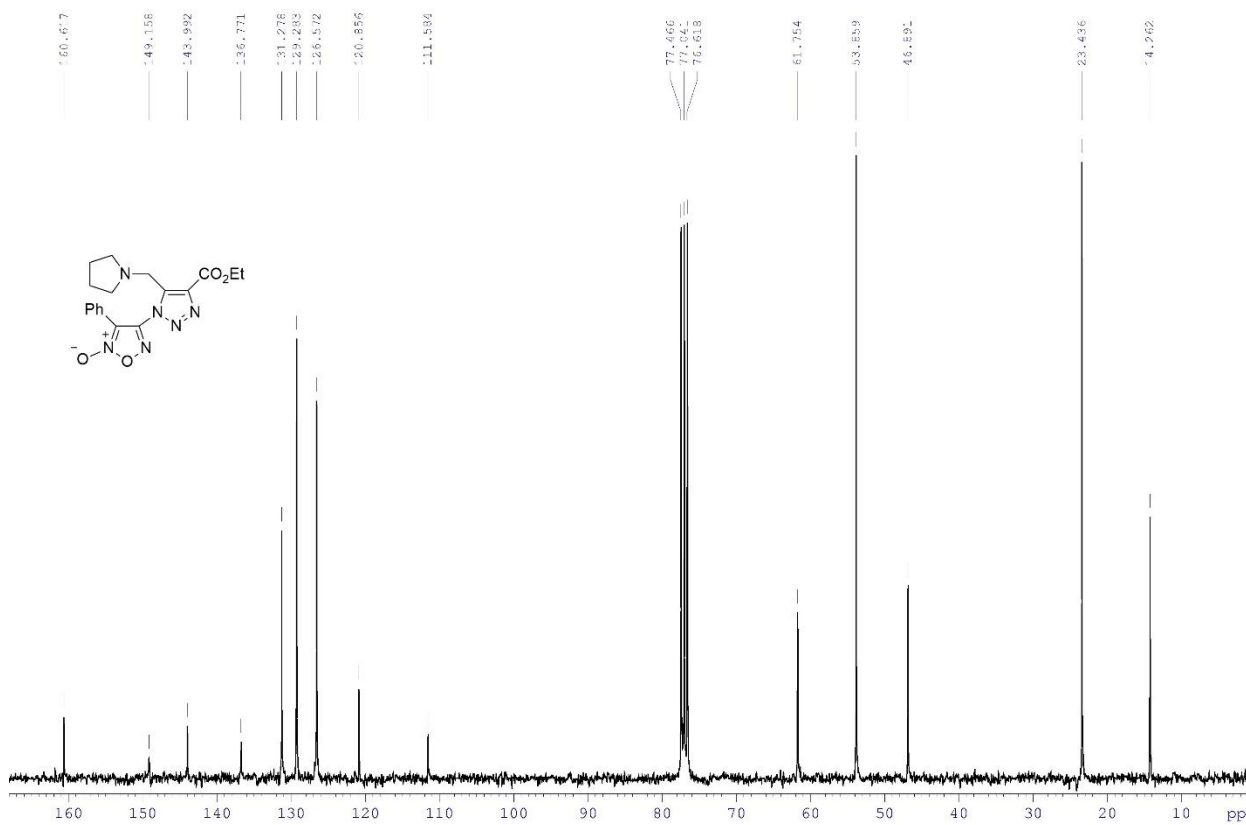
 ^{14}N NMR (21.7 MHz, CDCl_3) of **14b** ^1H NMR (300 MHz, CDCl_3) of **16a**

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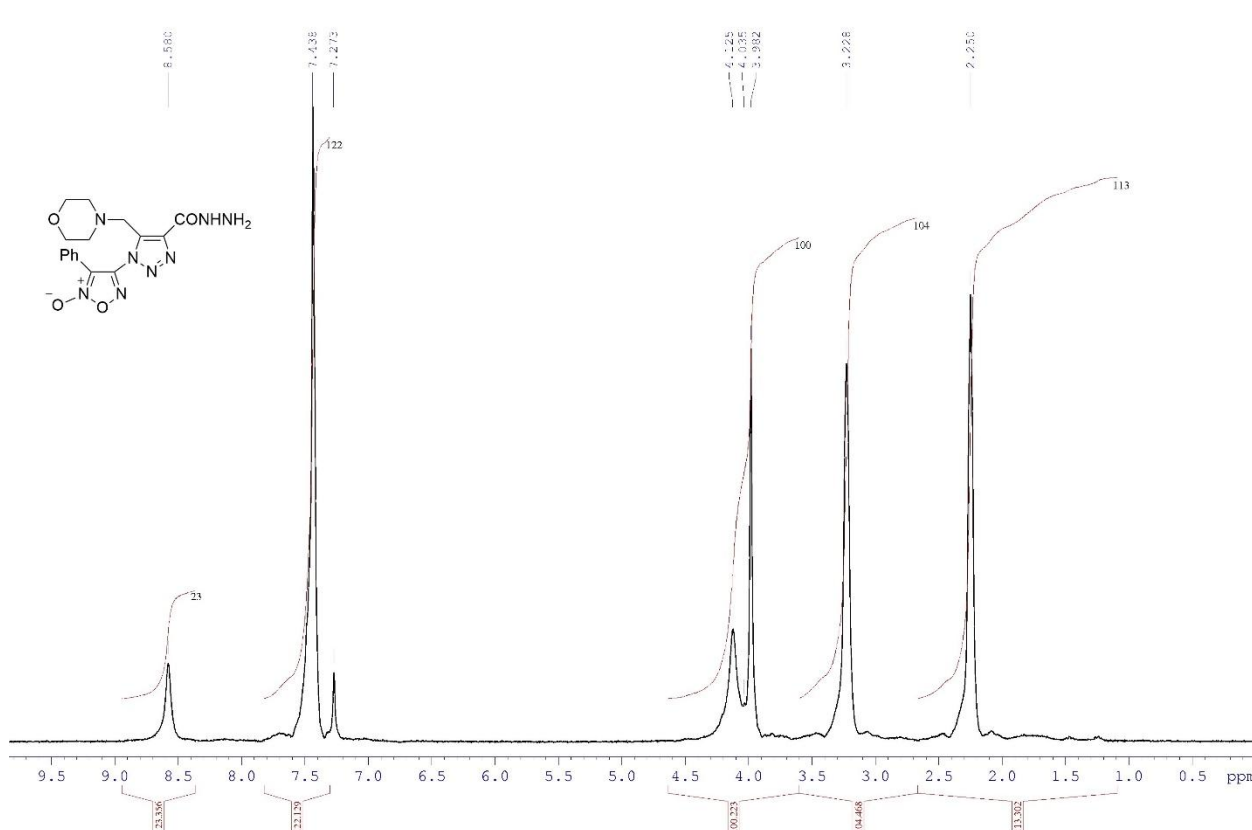
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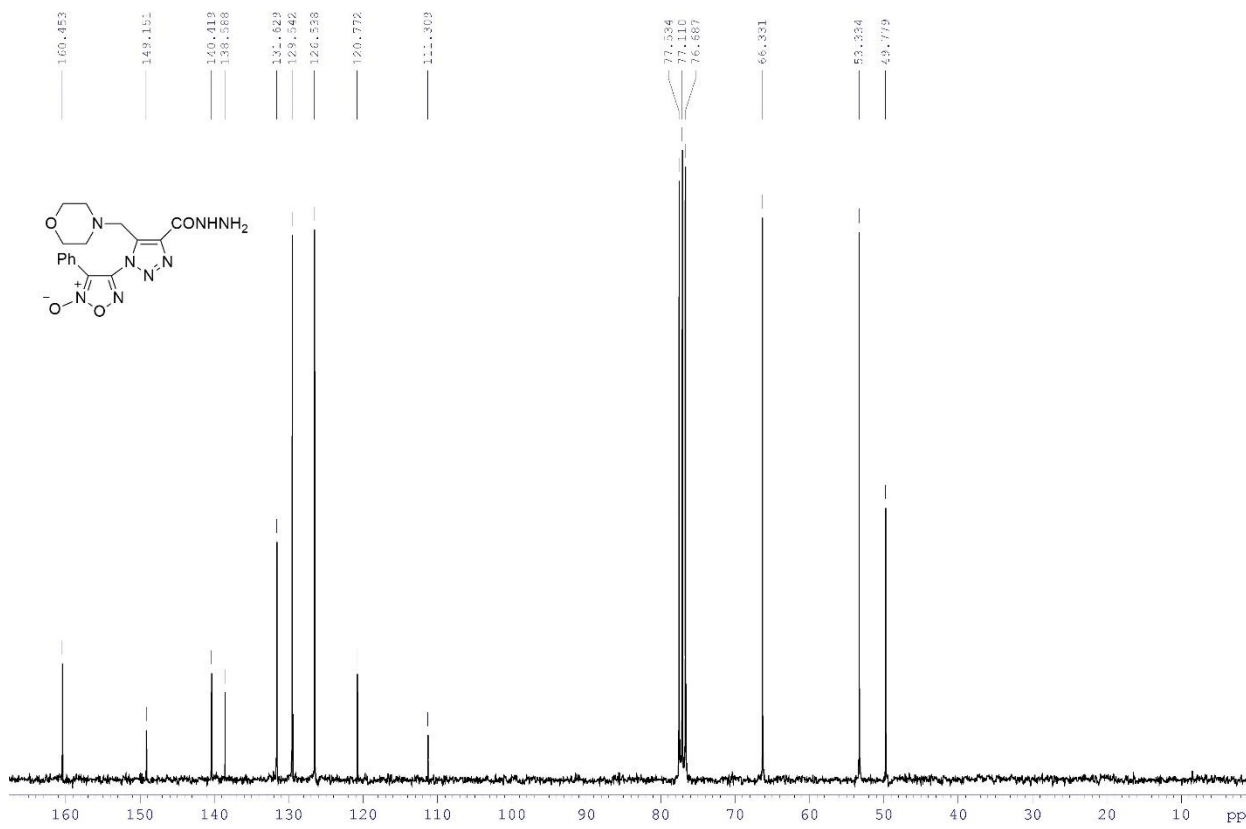
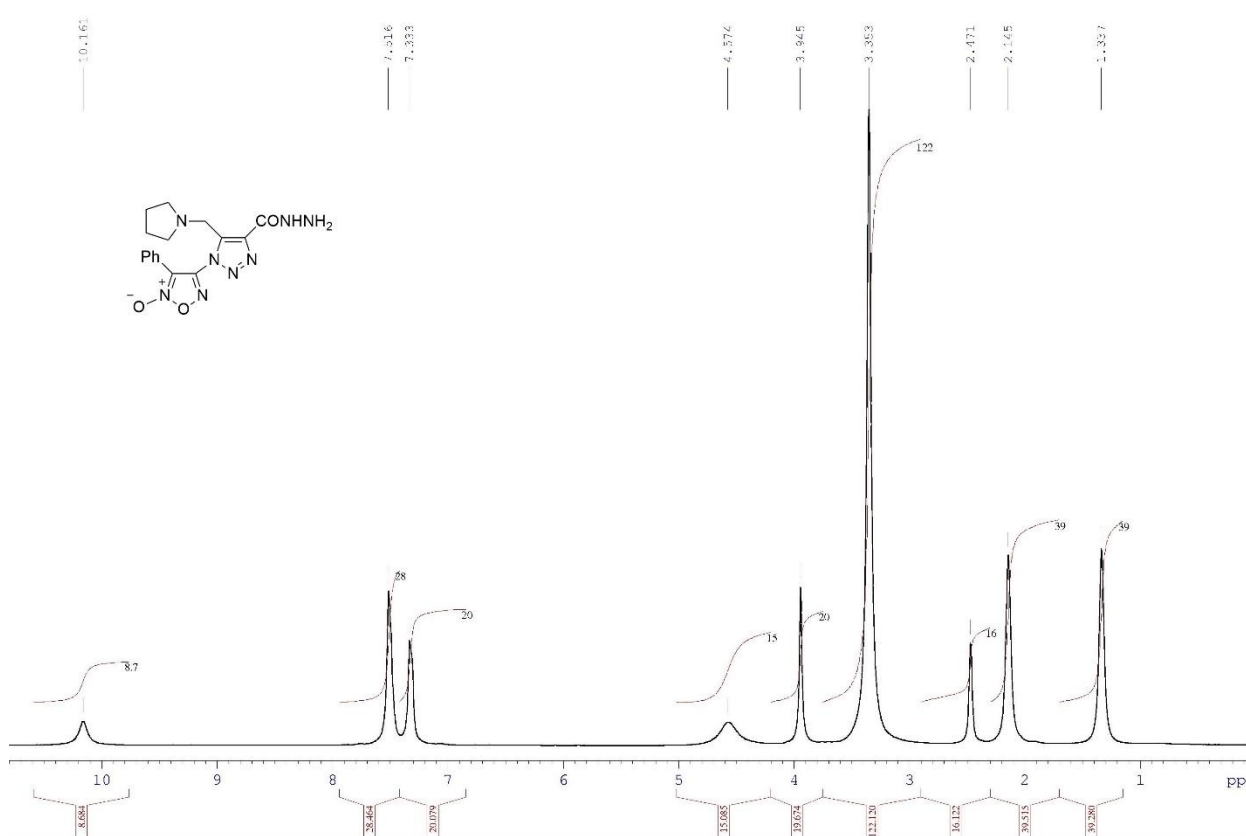
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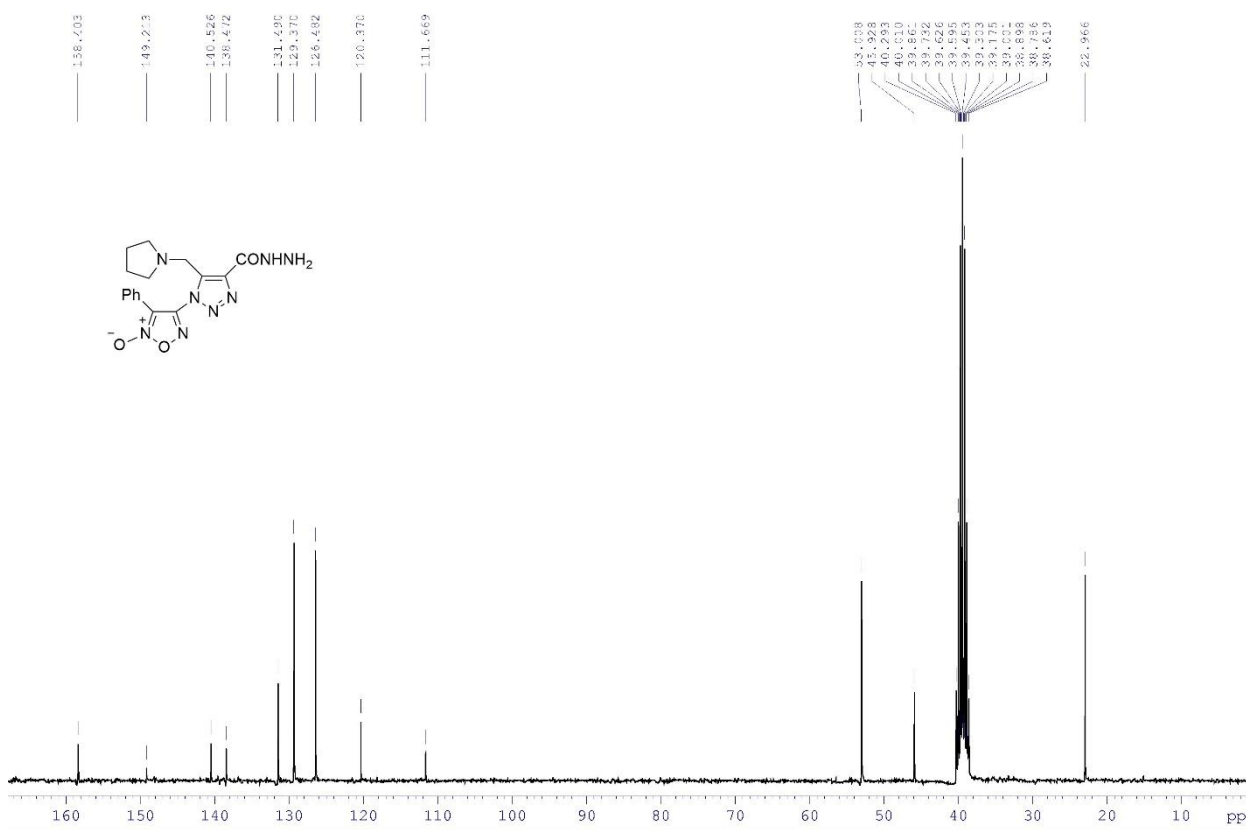


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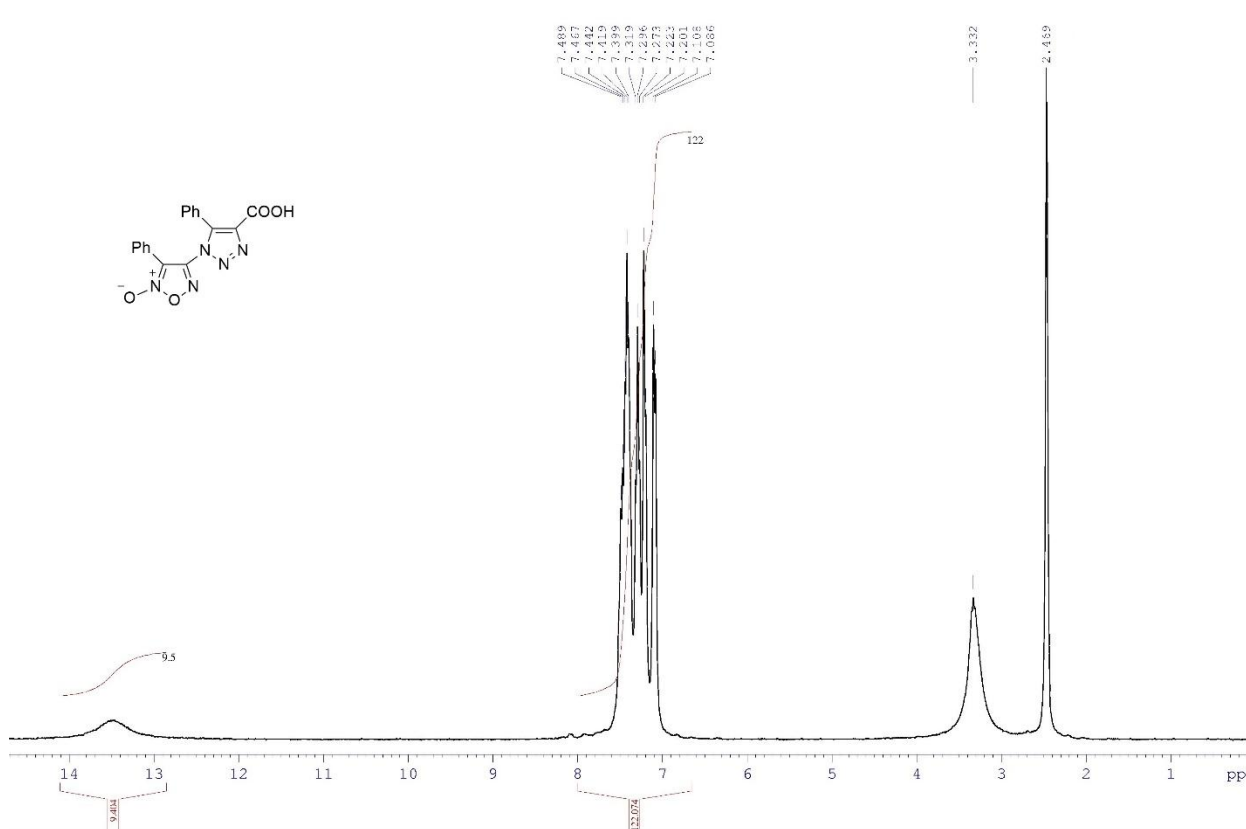


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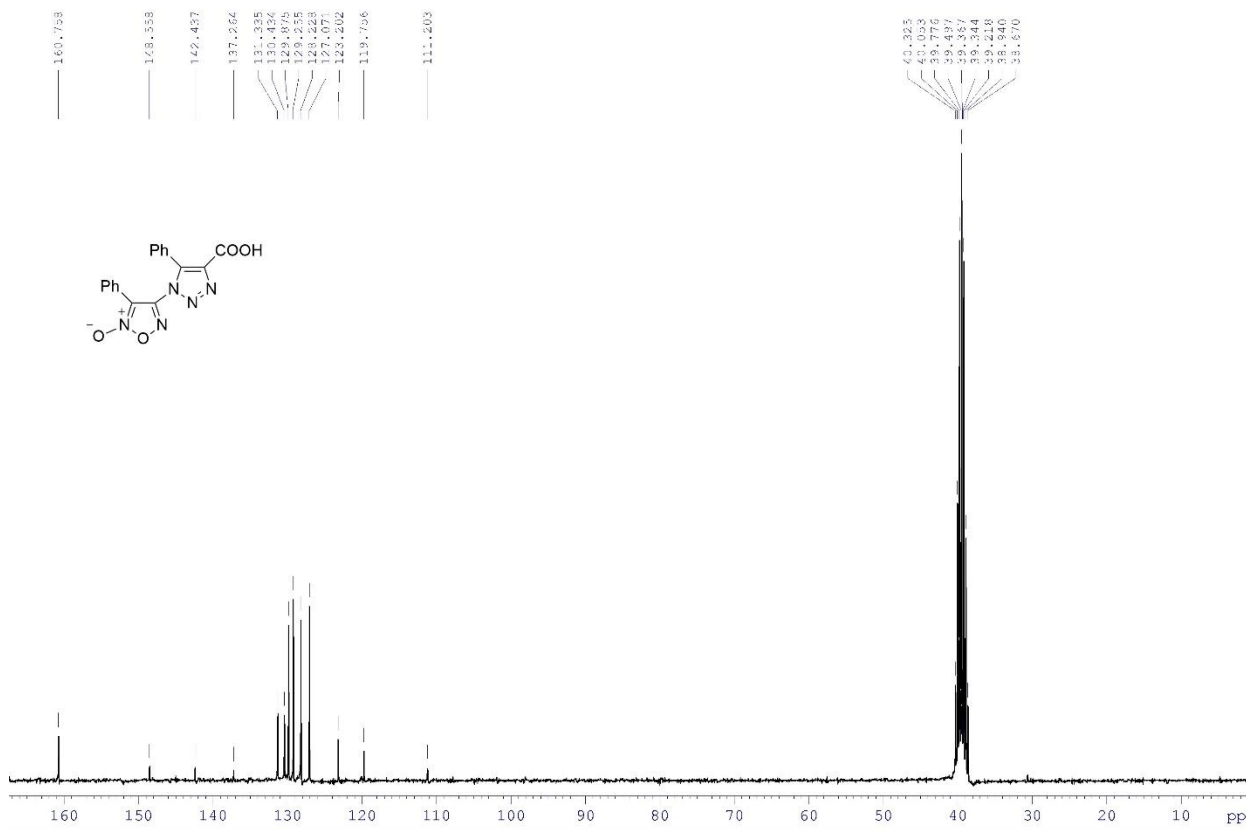
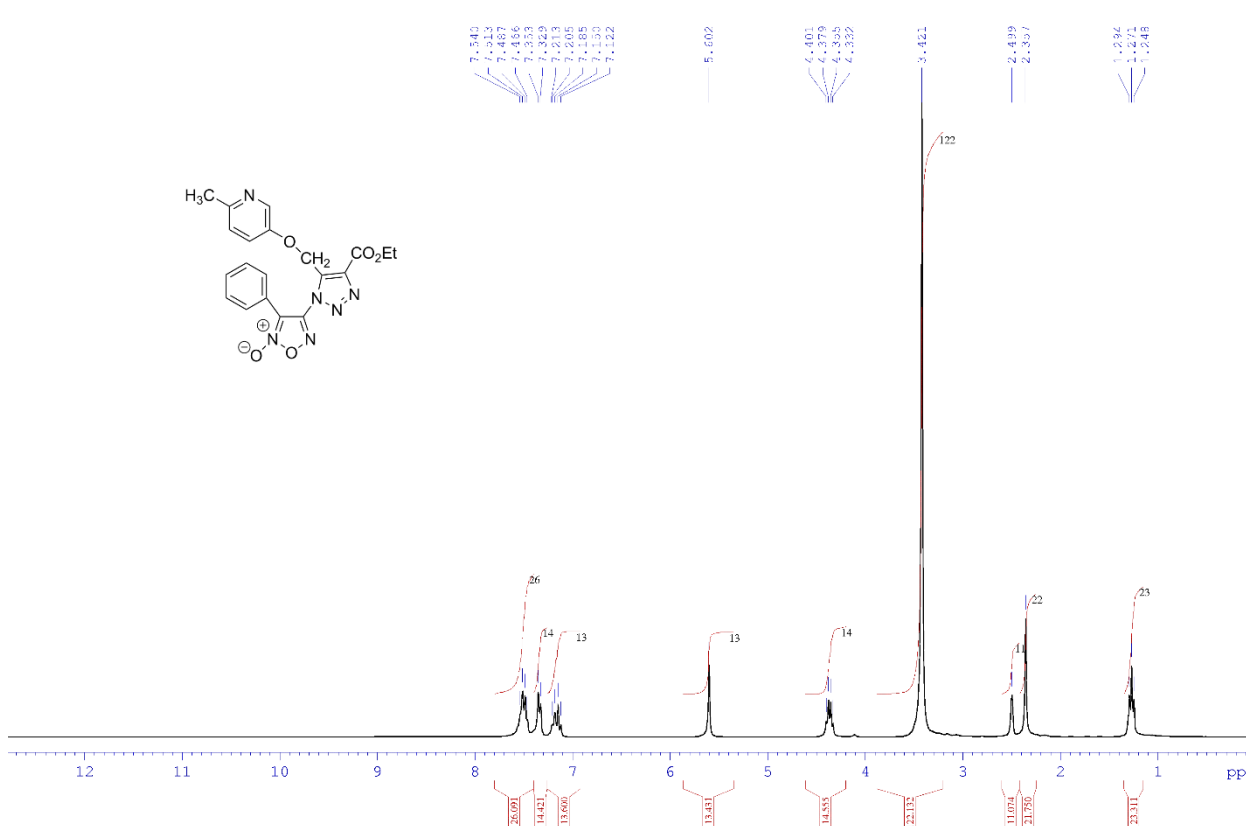
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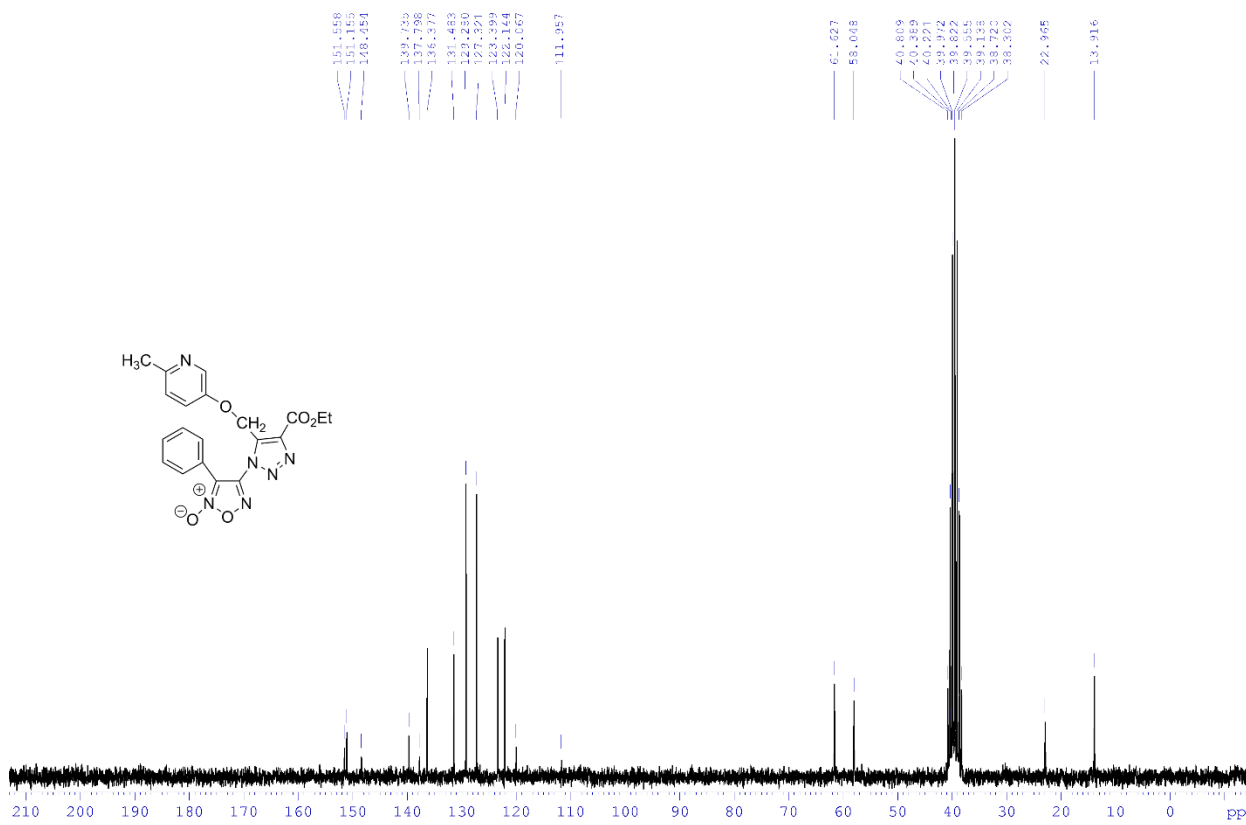
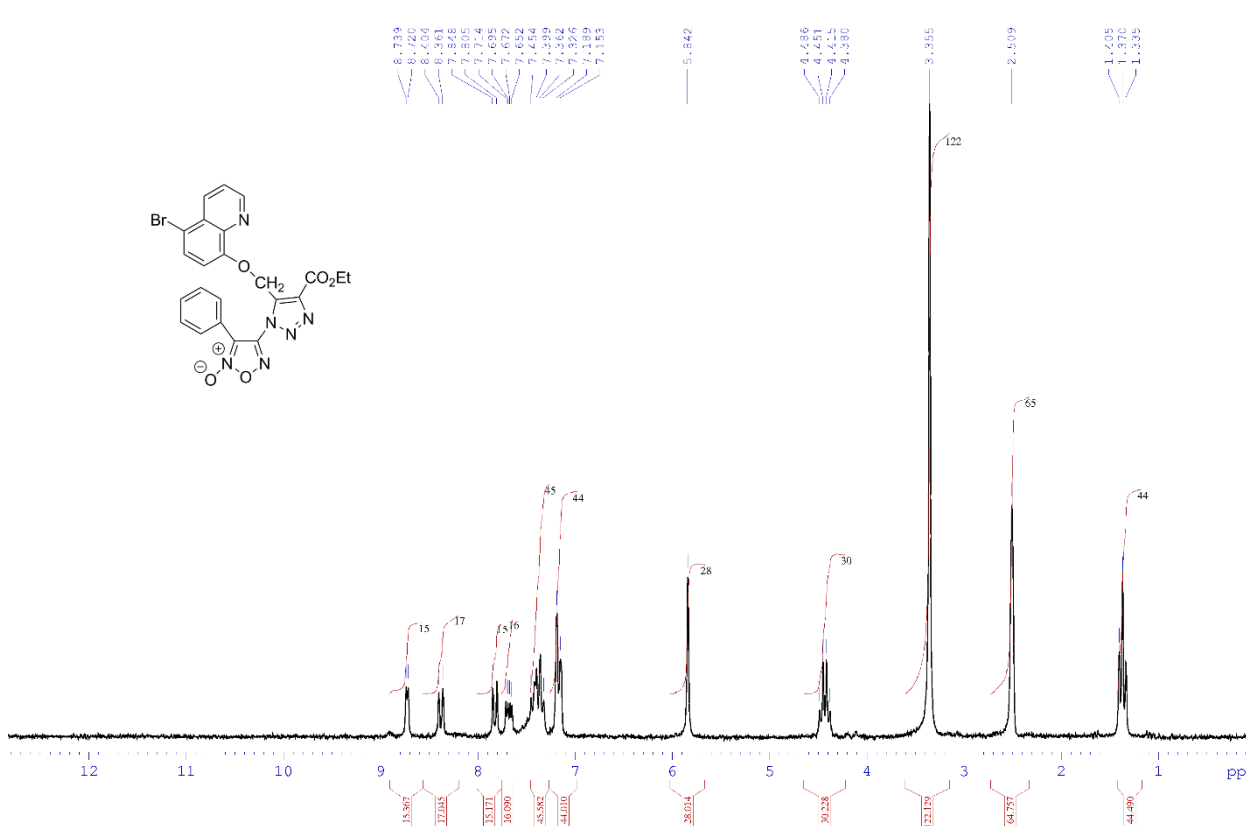


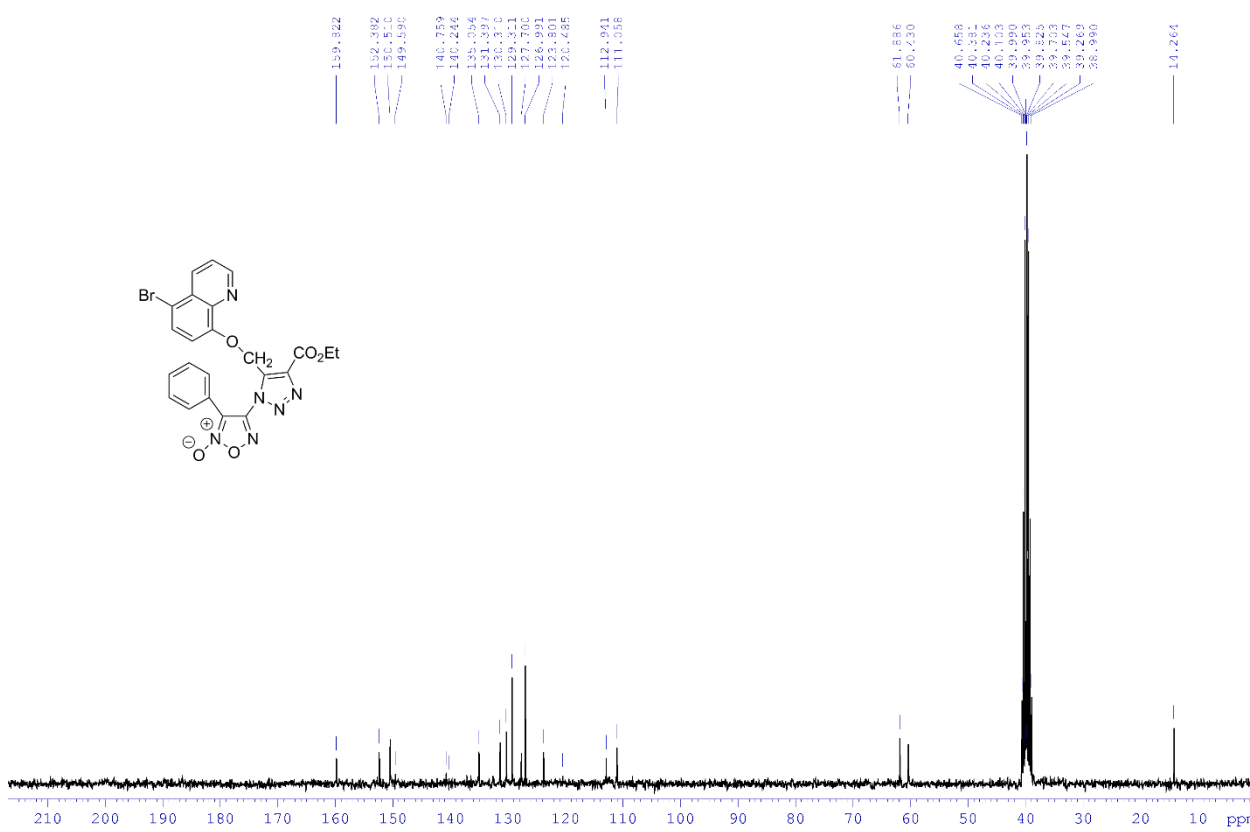
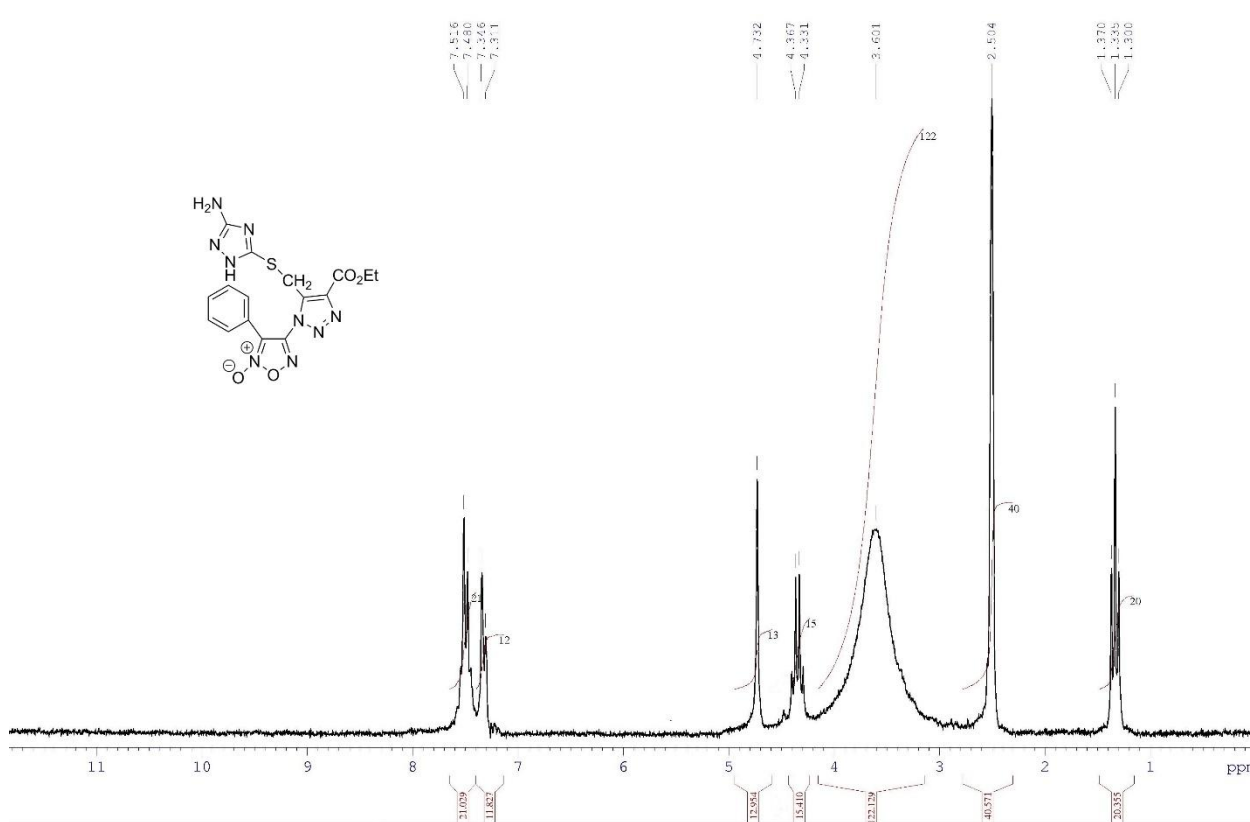
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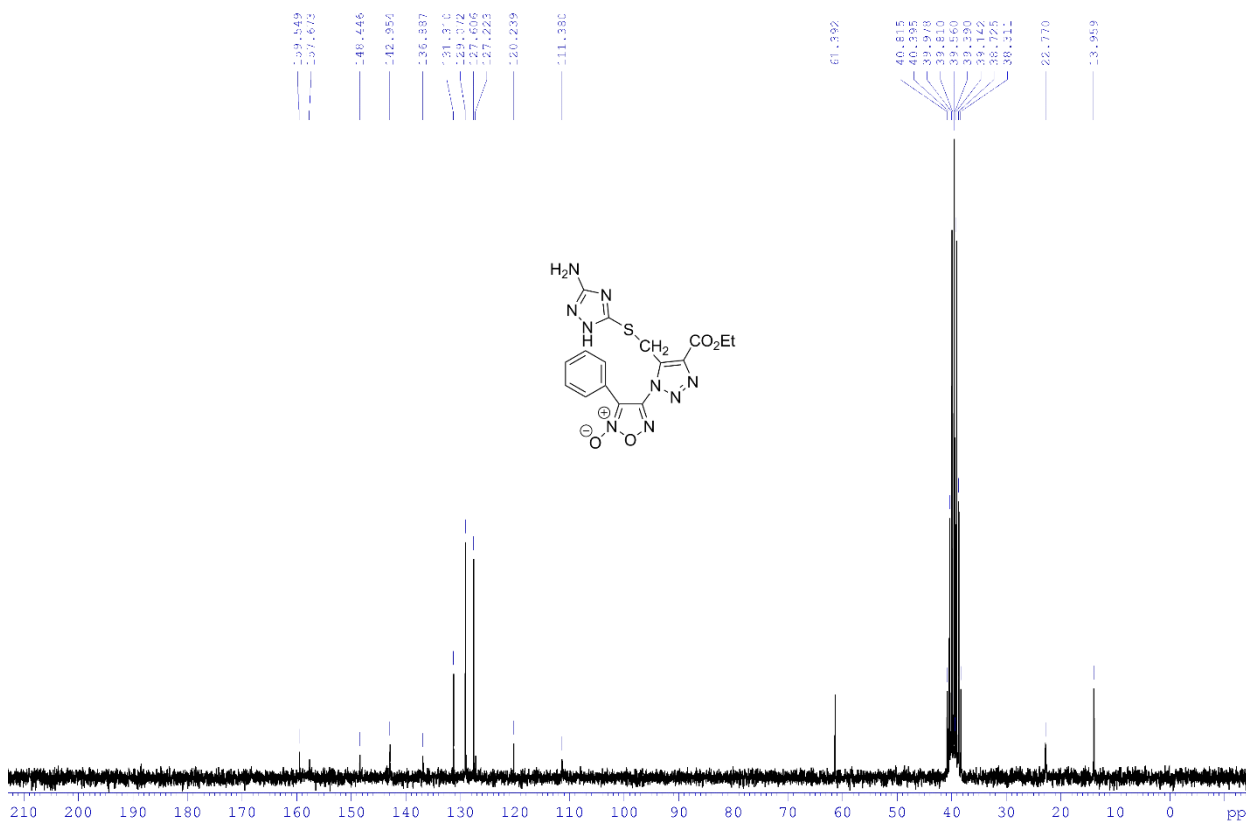
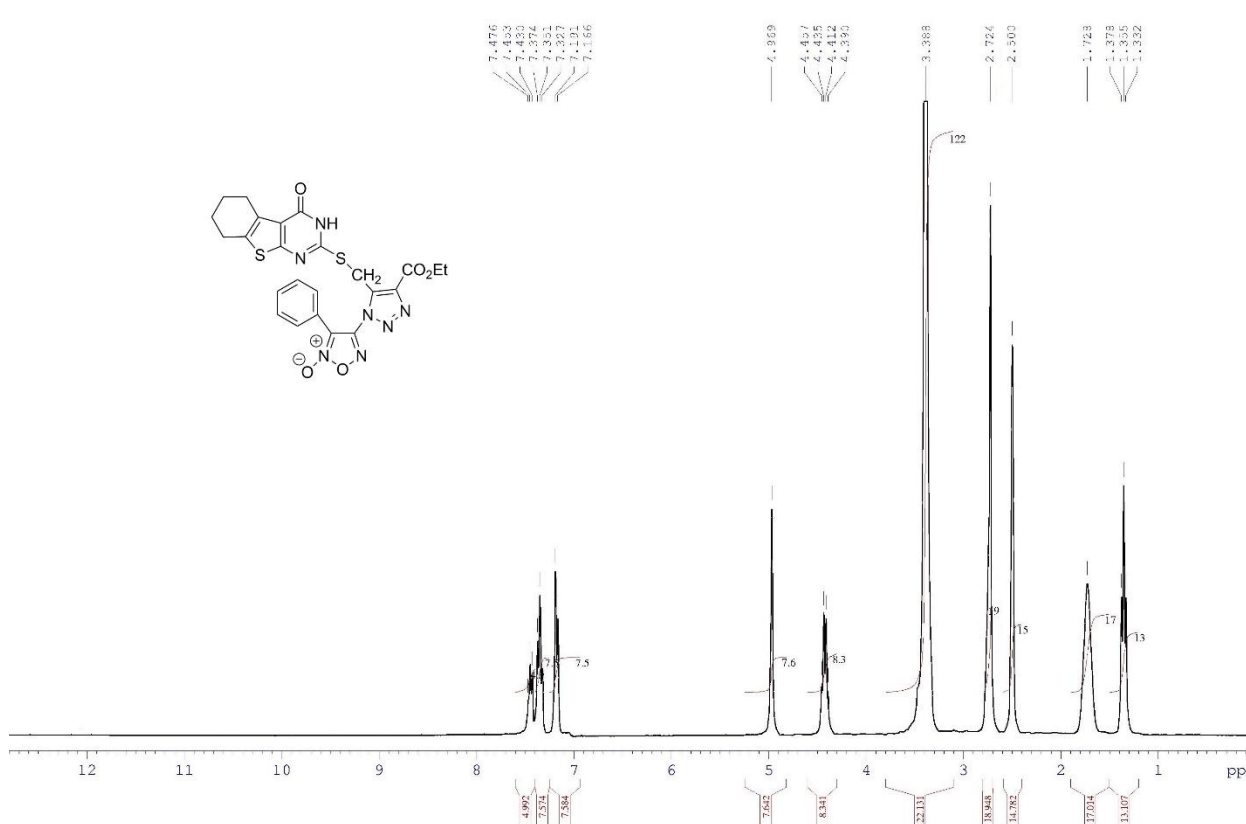


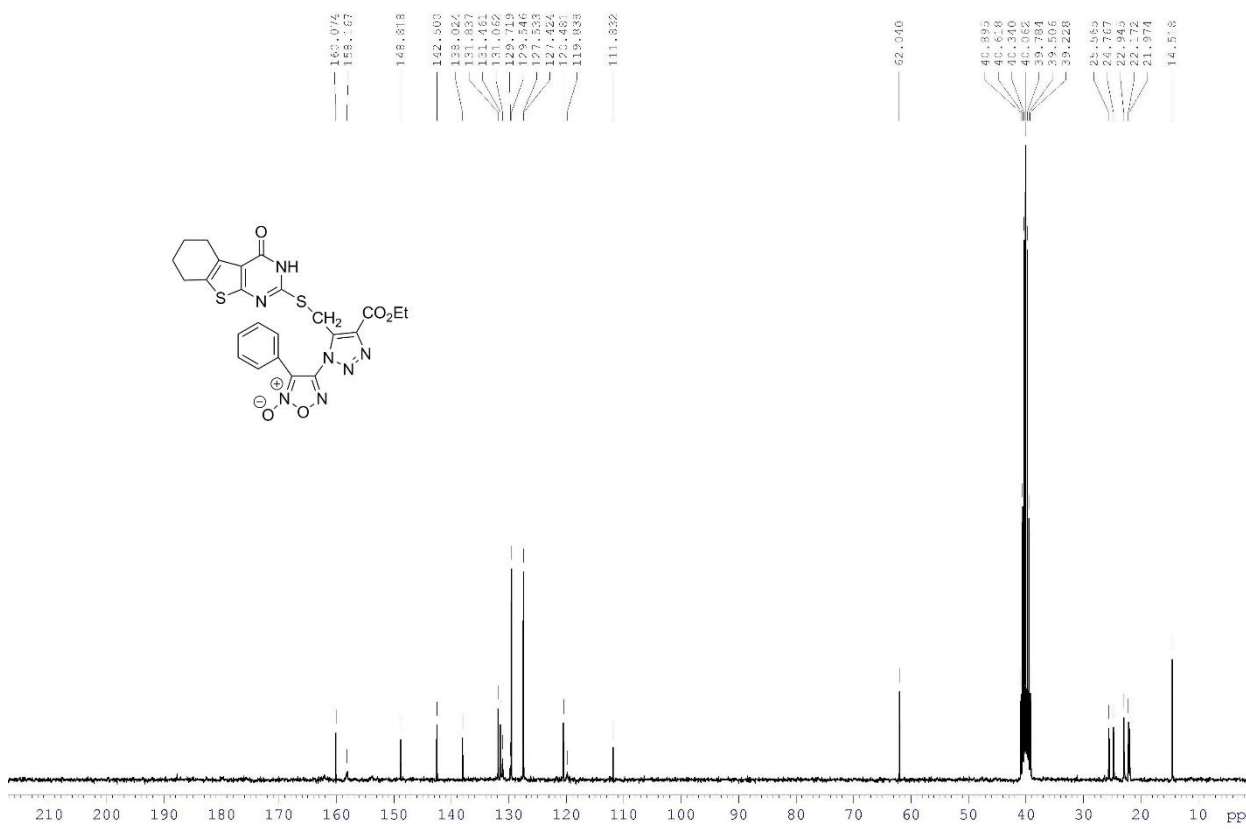
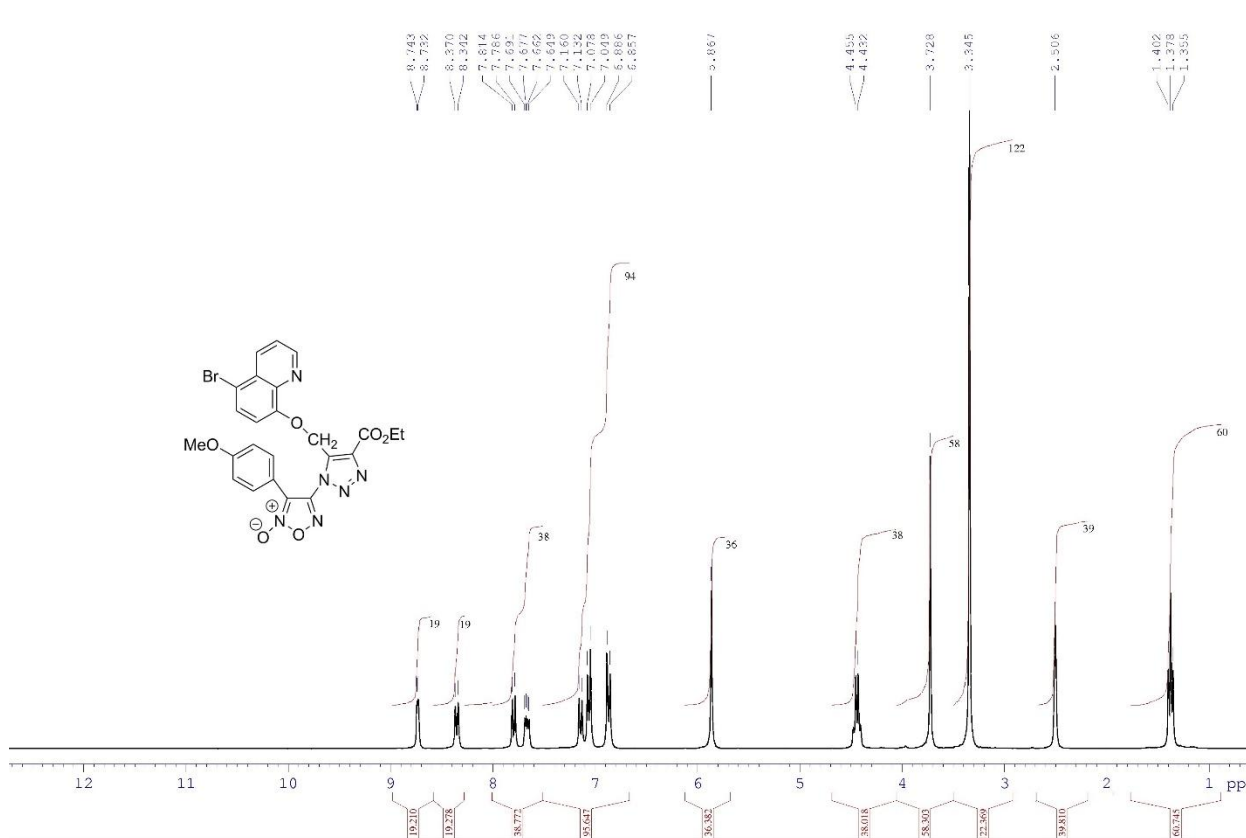
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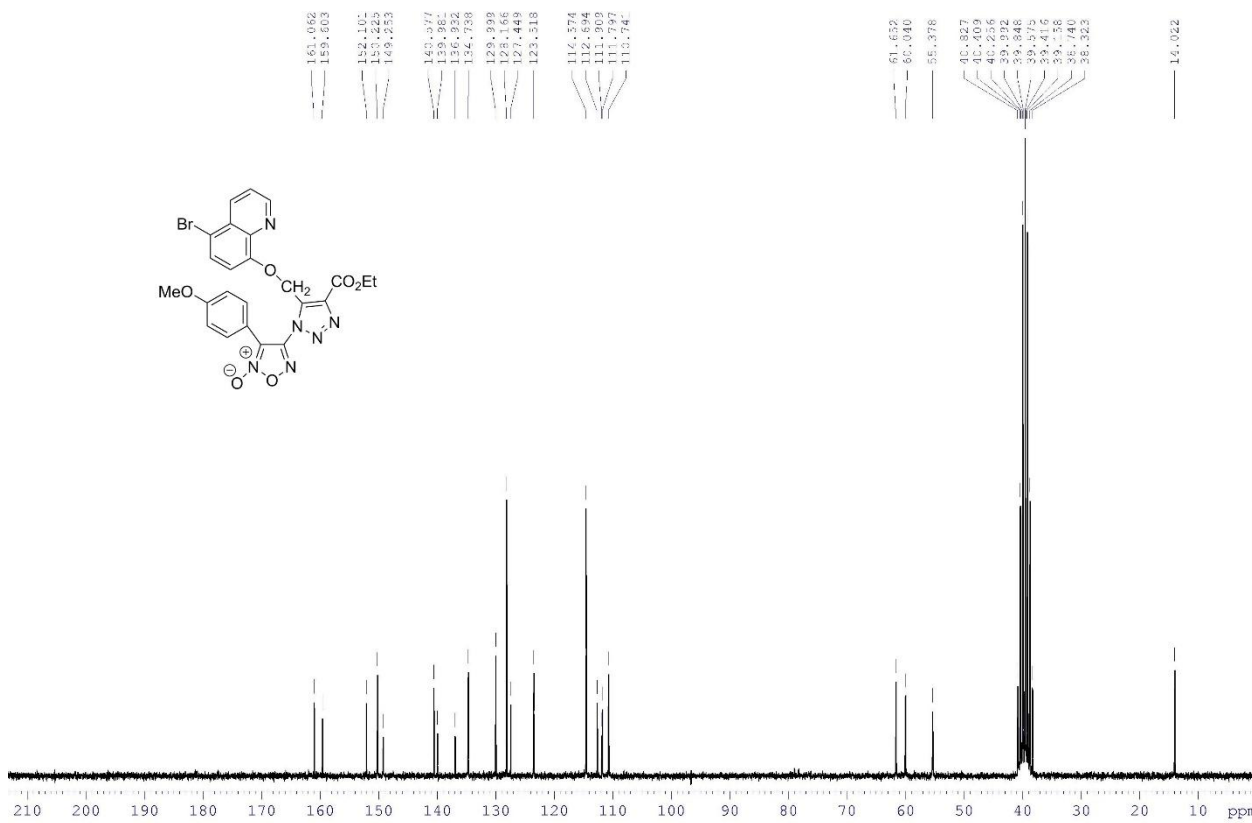
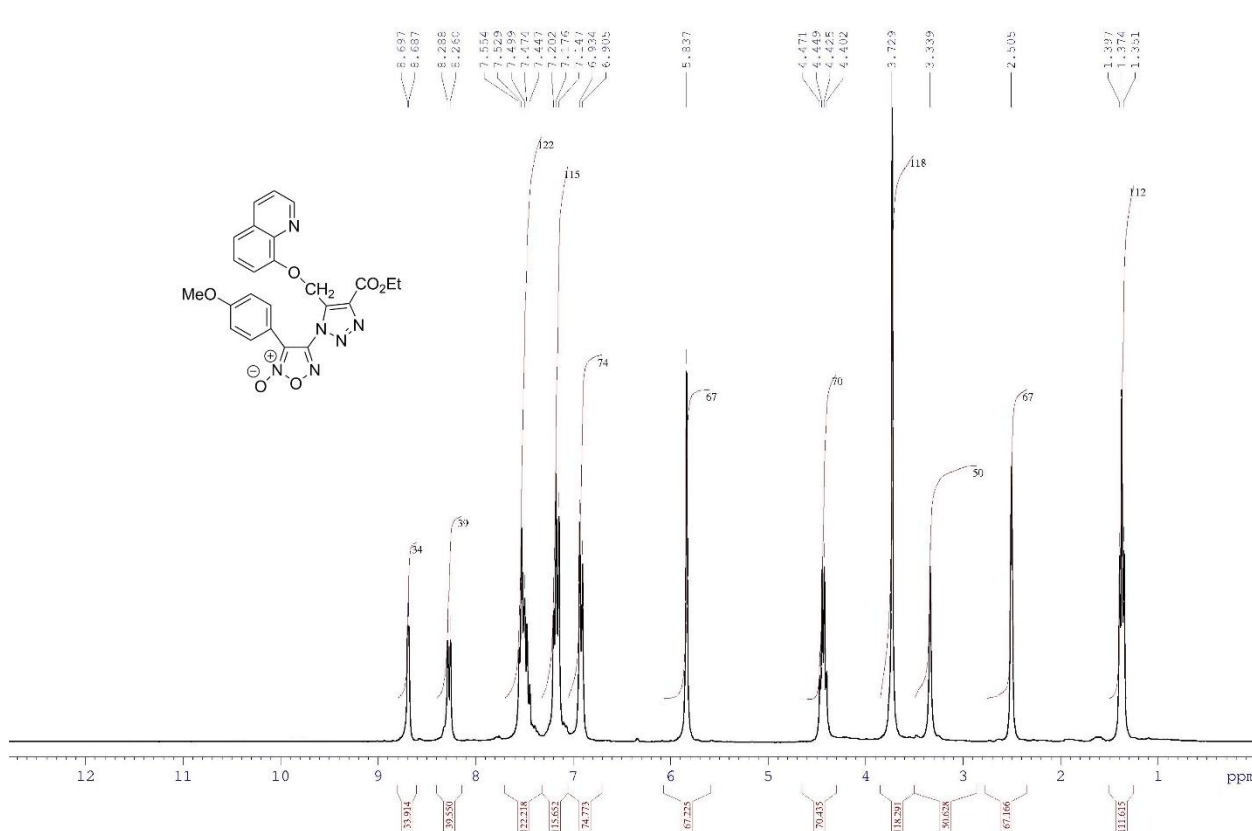
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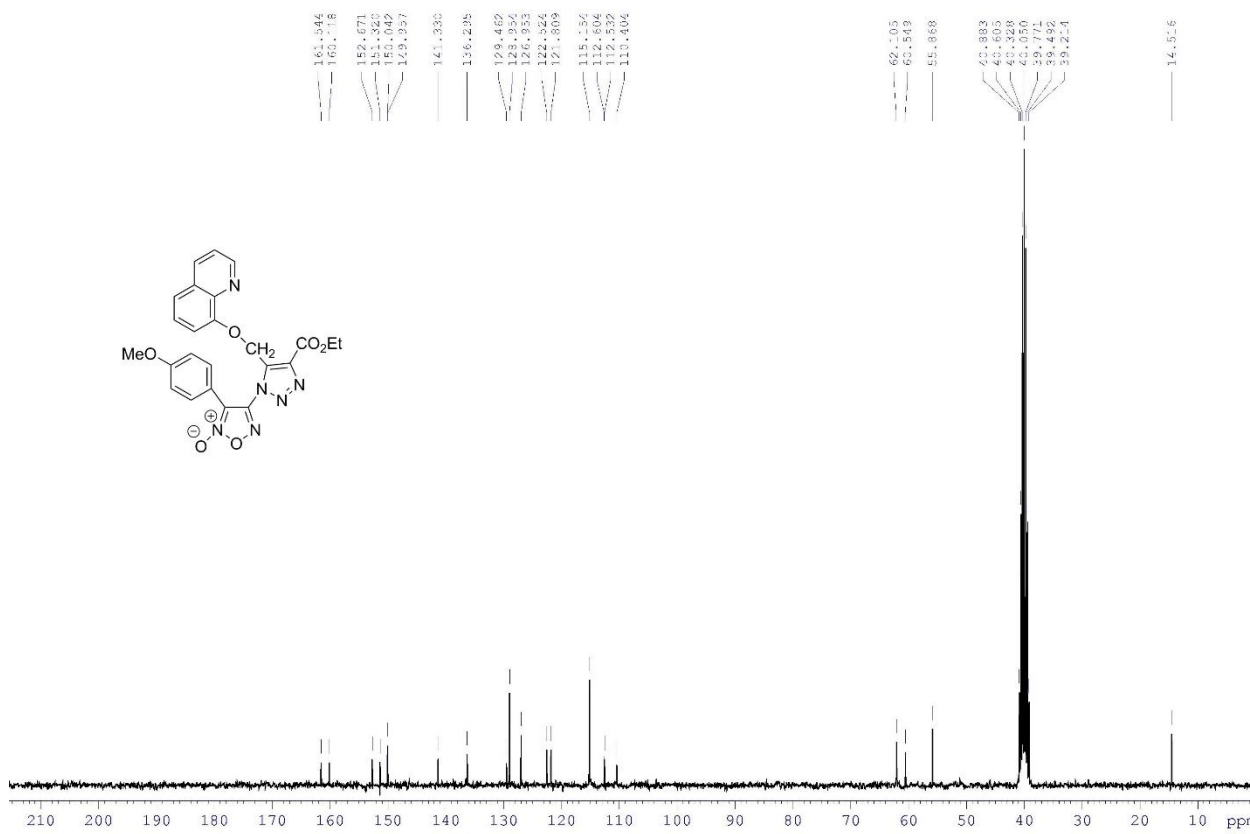
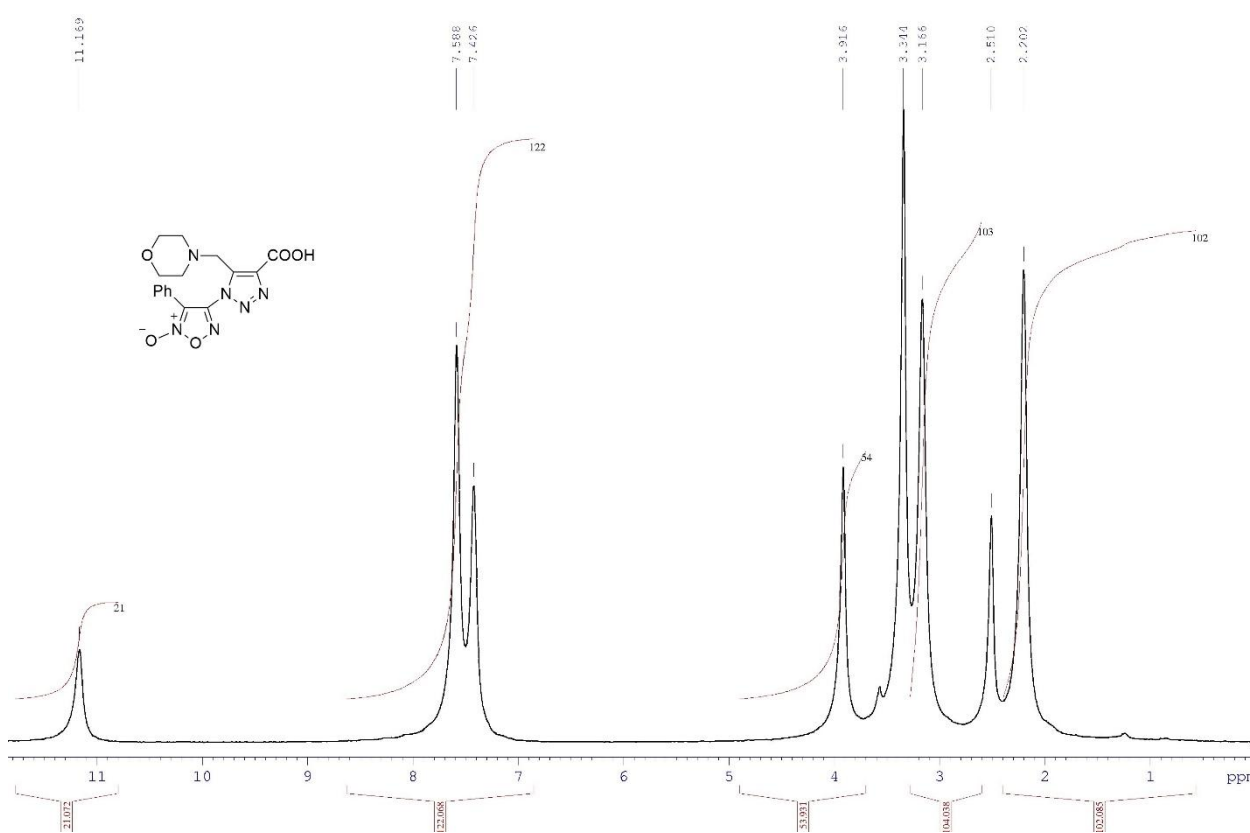
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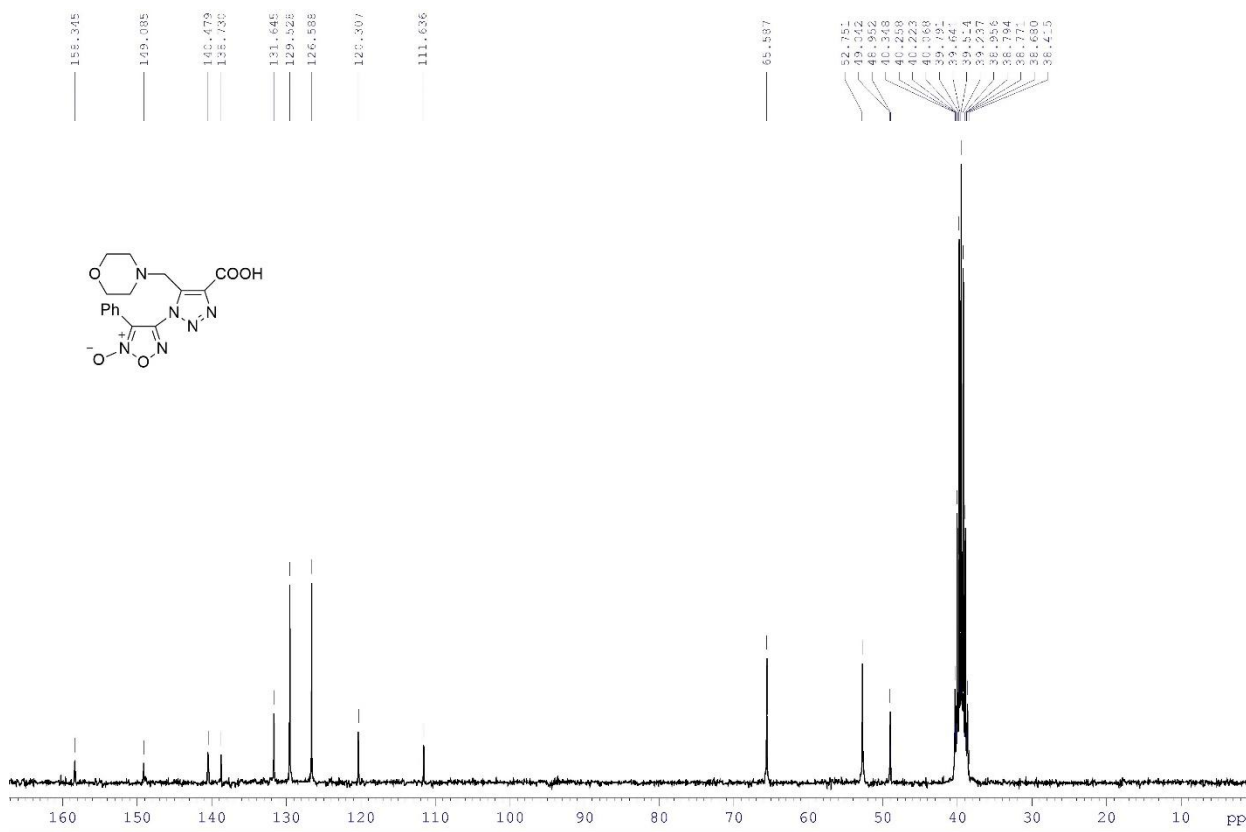
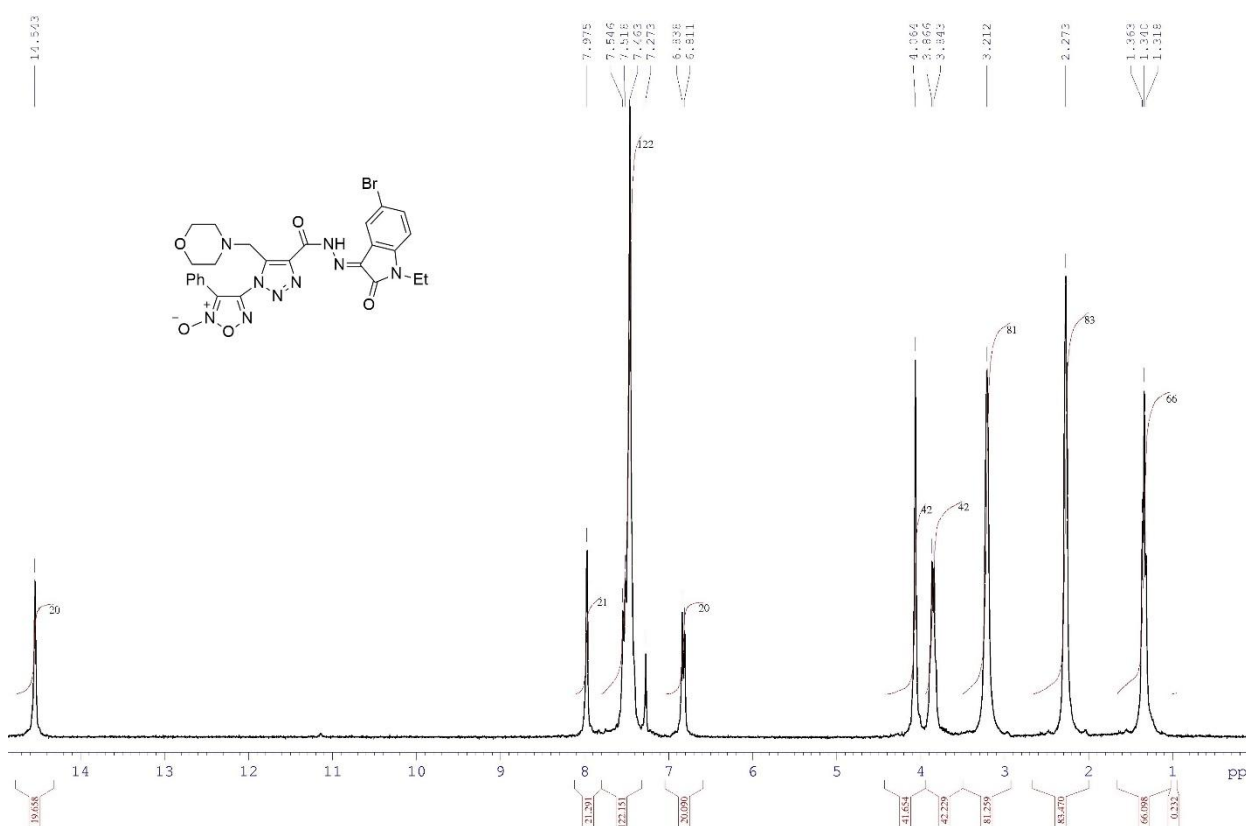
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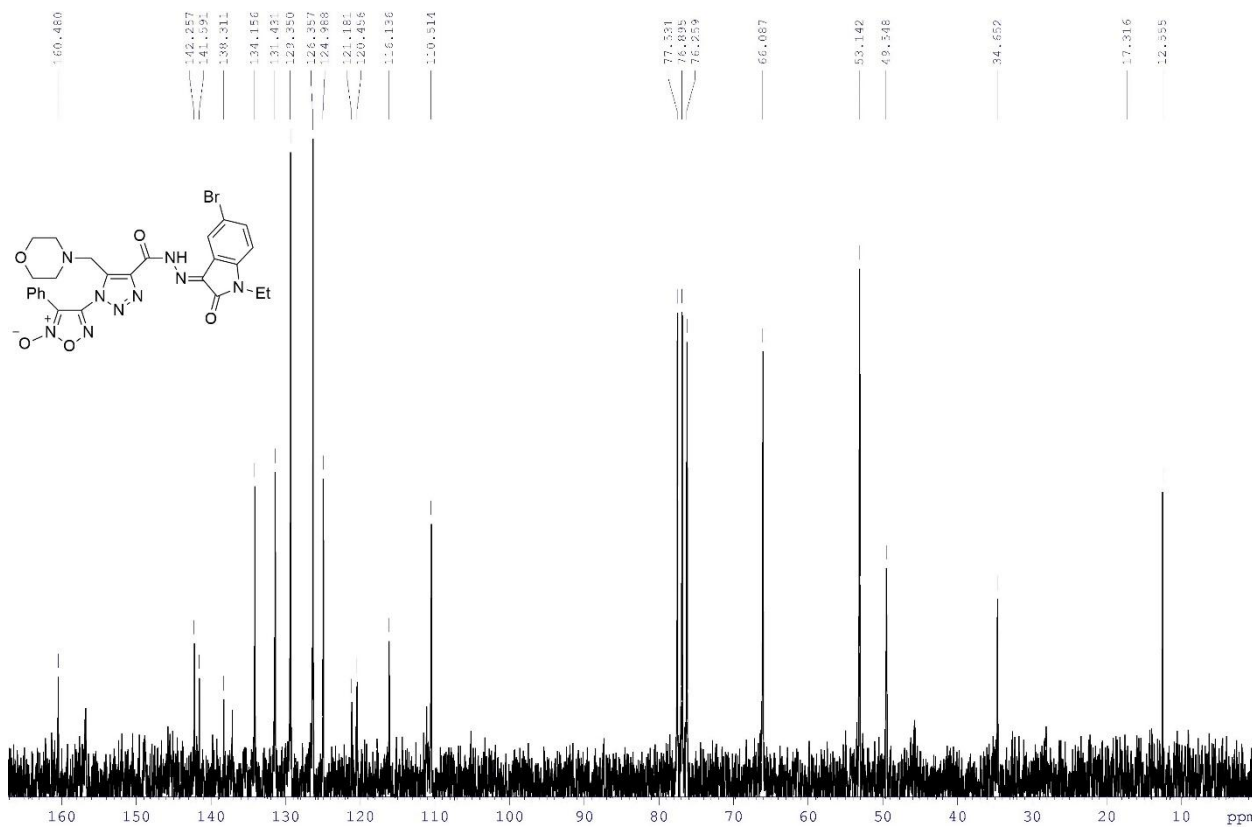
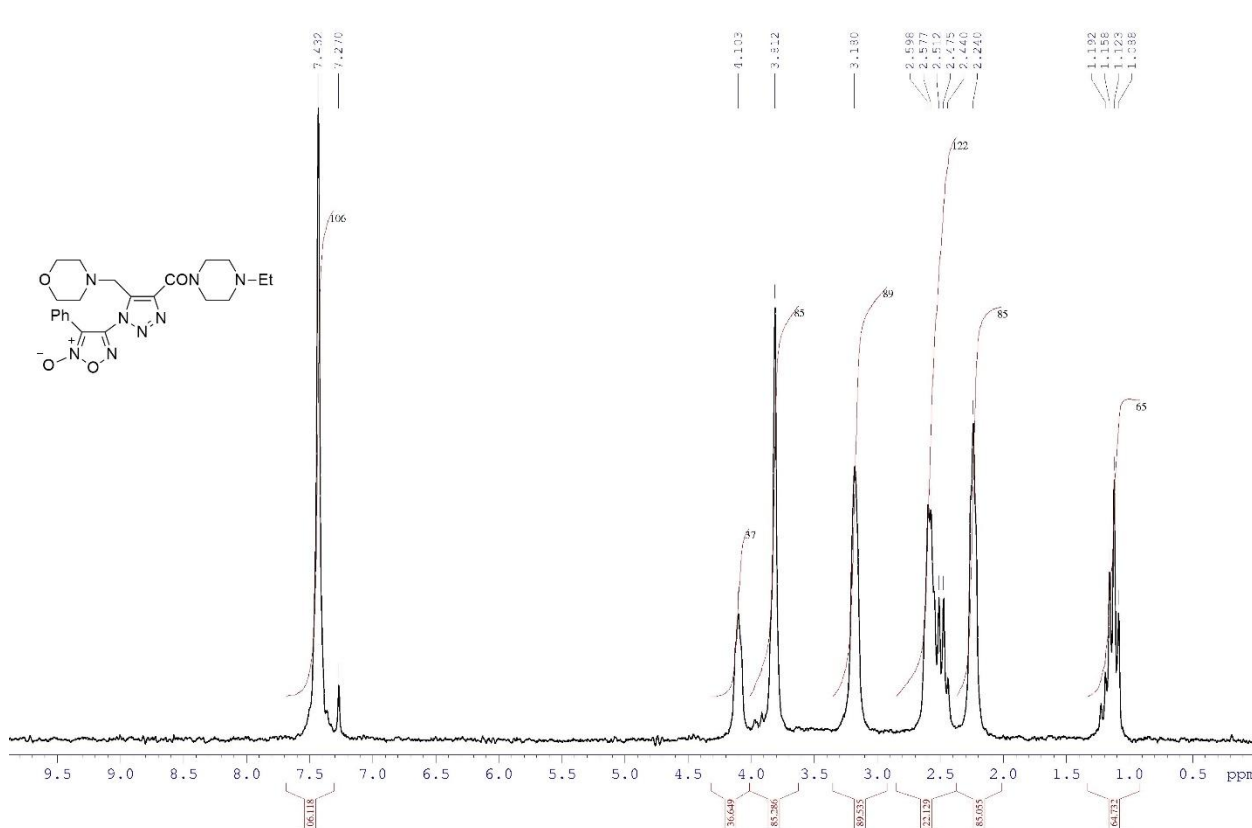
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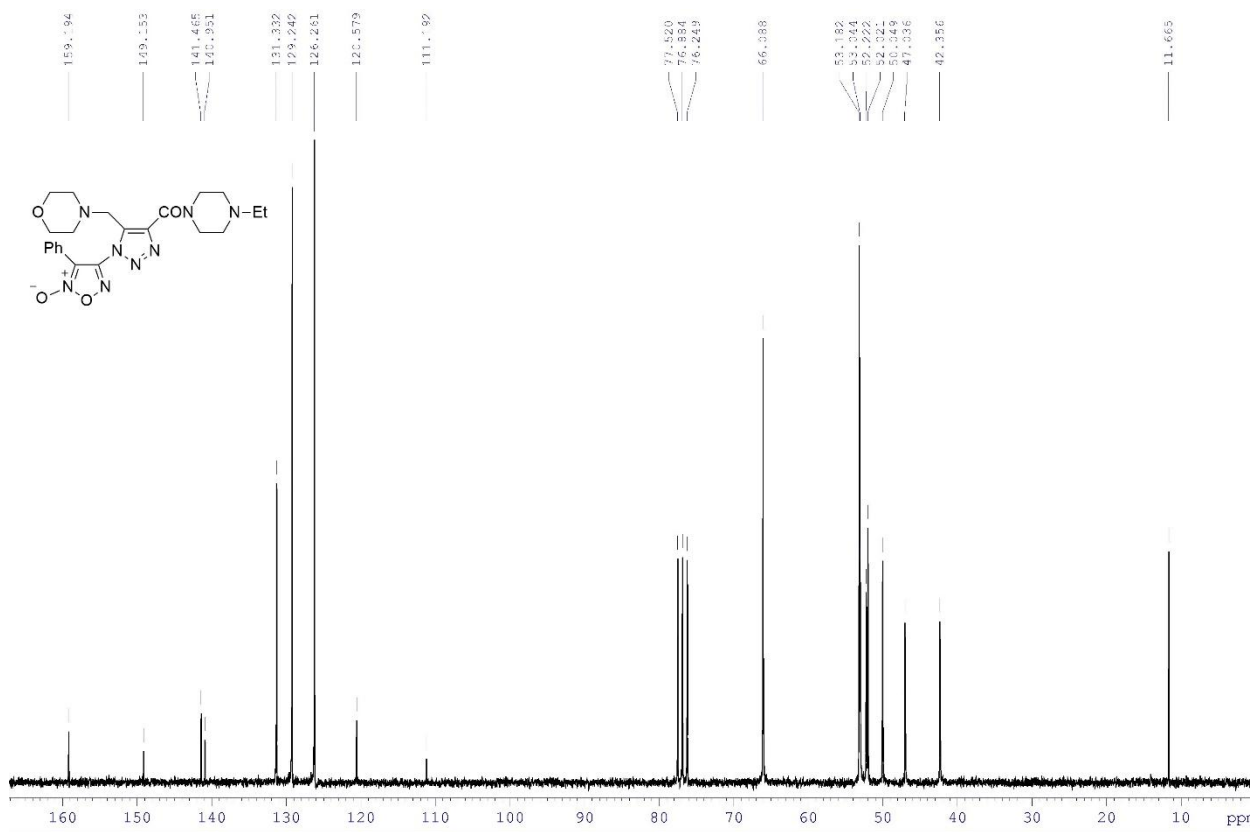
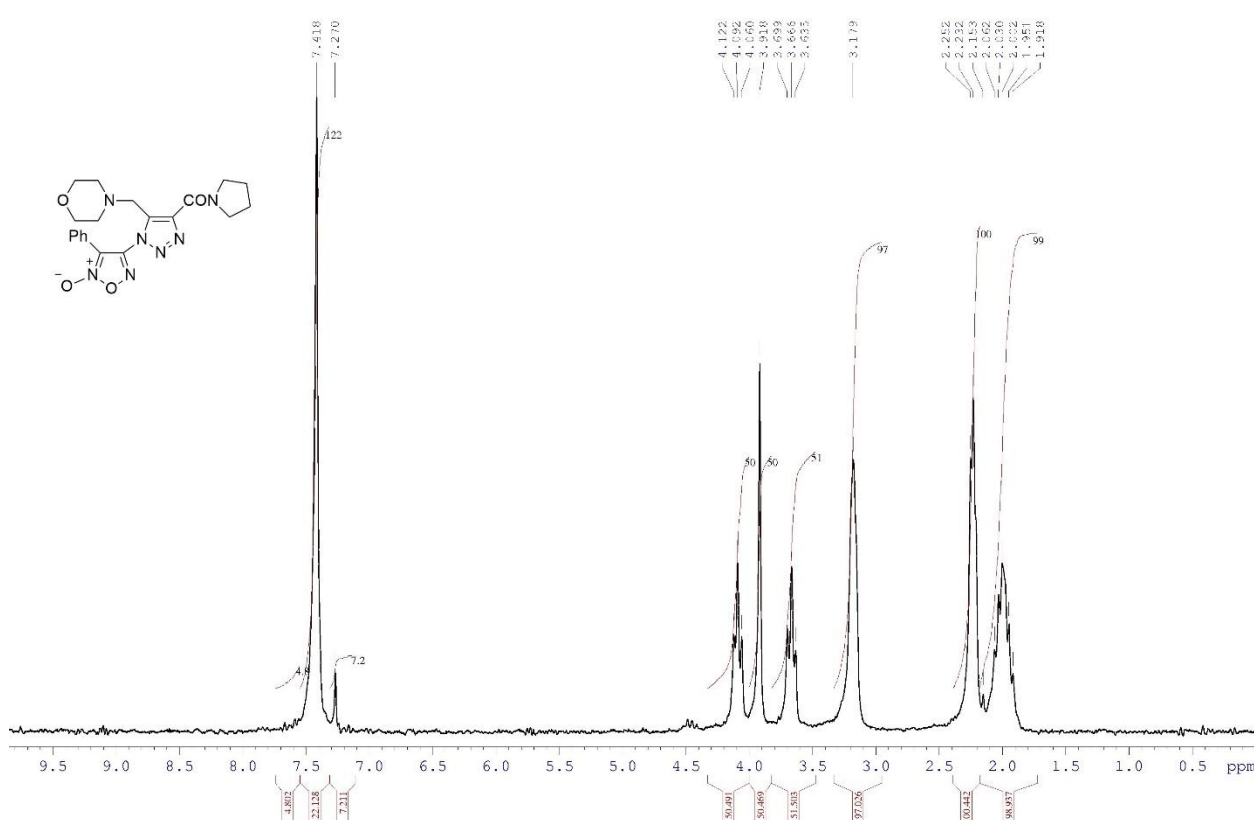
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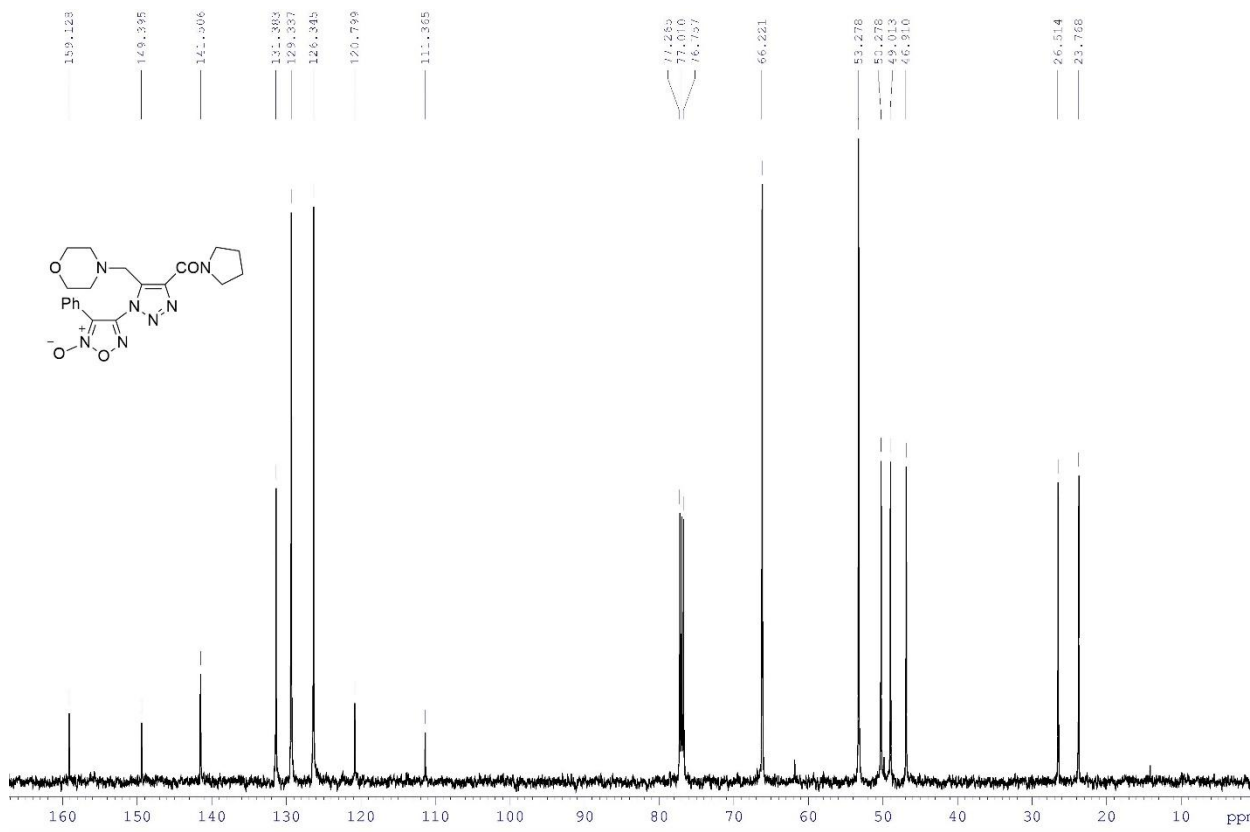
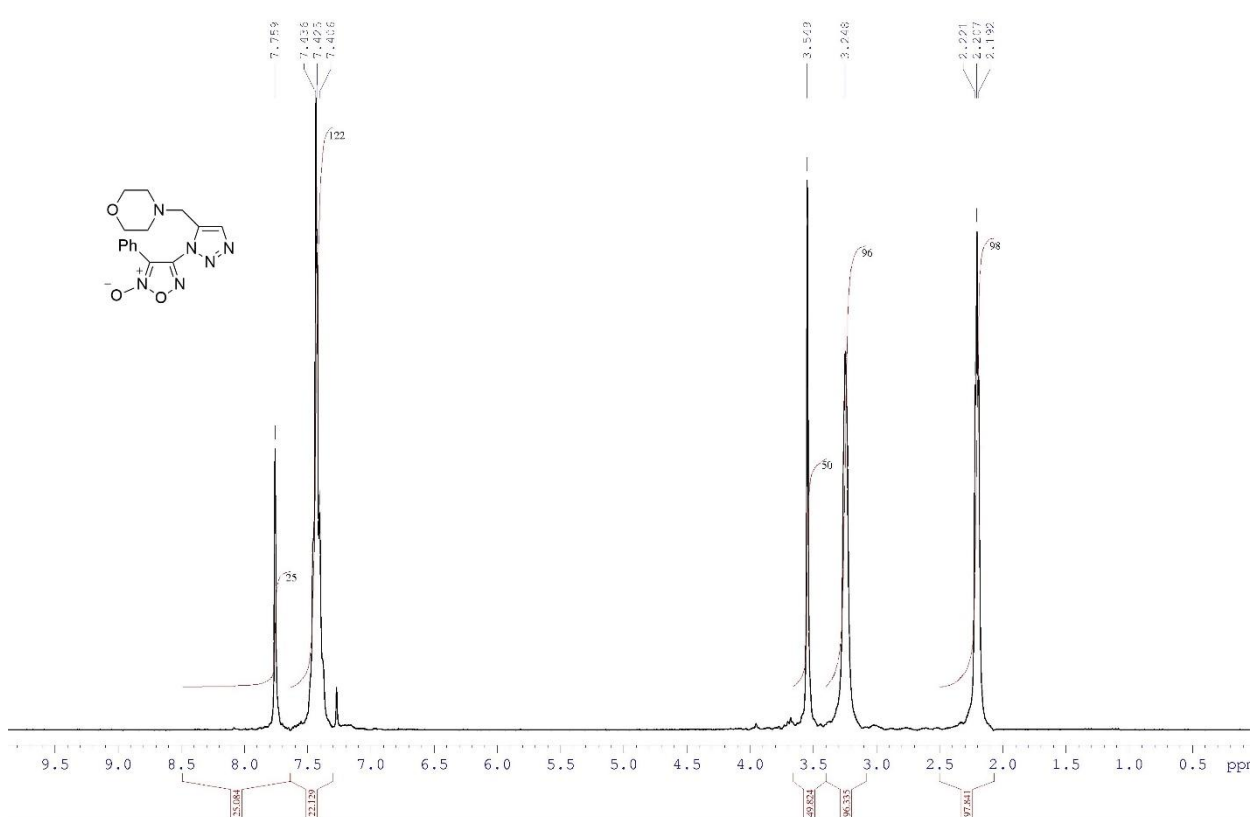
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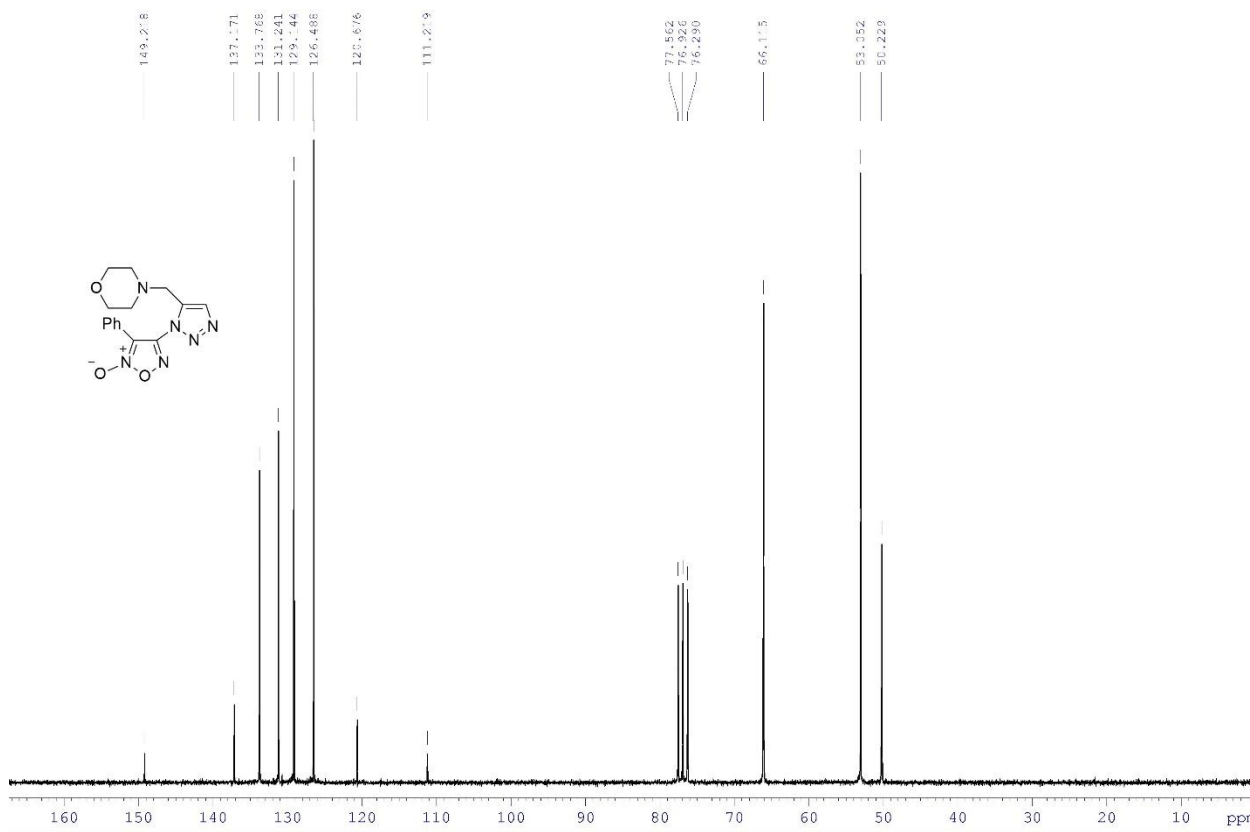
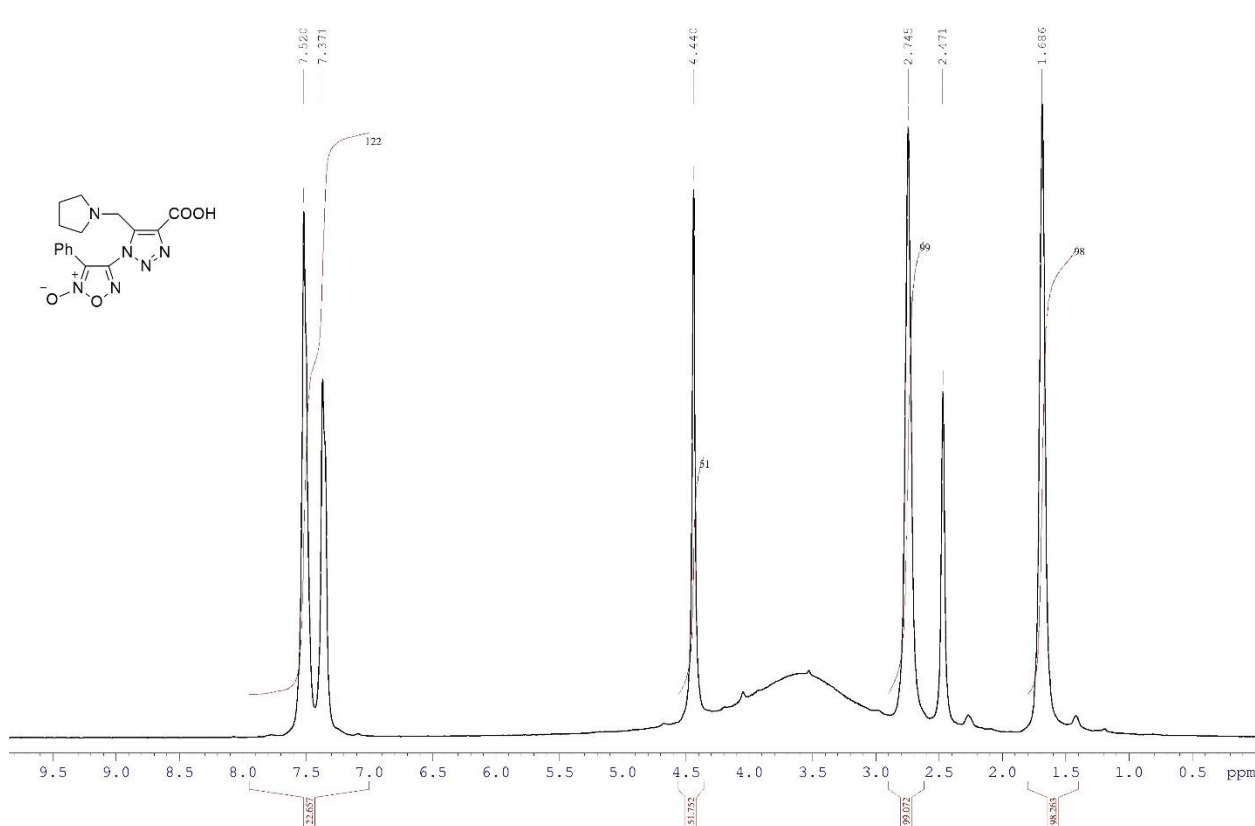
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¹³C NMR (75.5 MHz, DMSO-d₆) of 6g¹H NMR (300 MHz, CDCl₃) of 6h

 ^{13}C NMR (75.5 MHz, CDCl_3) of 6h ^1H NMR (300 MHz, CDCl_3) of 6i

¹³C NMR (75.5 MHz, CDCl₃) of **6i**¹H NMR (300 MHz, CDCl₃) of **6j**

¹³C NMR (75.5 MHz, CDCl₃) of **6j**¹H NMR (300 MHz, CDCl₃) of **6k**

¹³C NMR (75.5 MHz, CDCl₃) of **6k**¹H NMR (300 MHz, DMSO-d₆) of **6m**

