

Supporting Information

Synthesis, biological evaluation and computational studies of new hydrazide derivatives containing 1,3,4-oxadiazole as antitubercular agents

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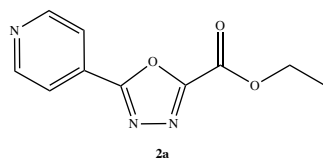
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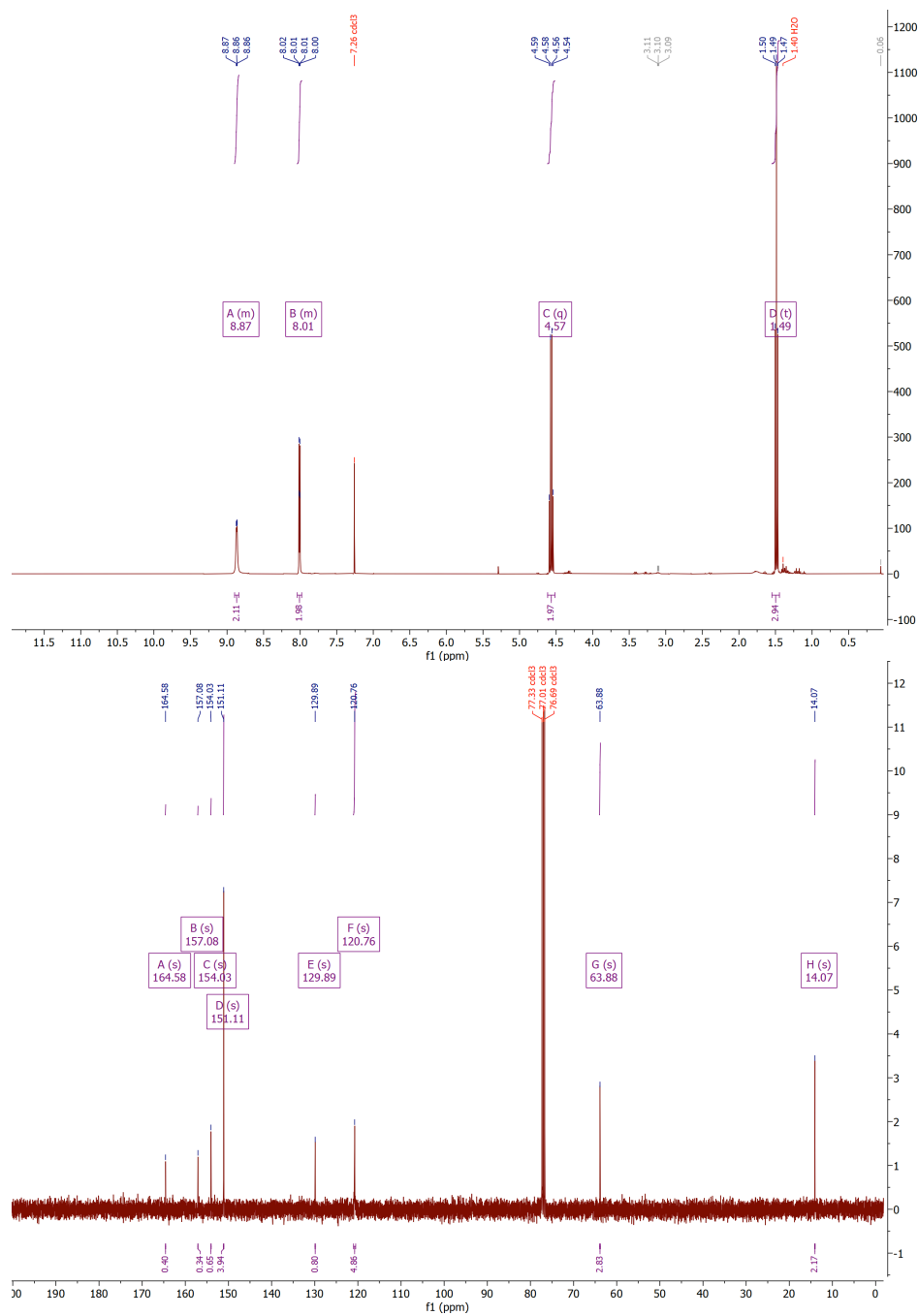
1. Experimental data

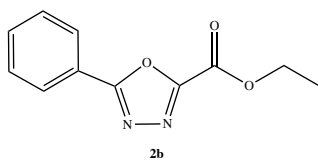
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NMR Spectra

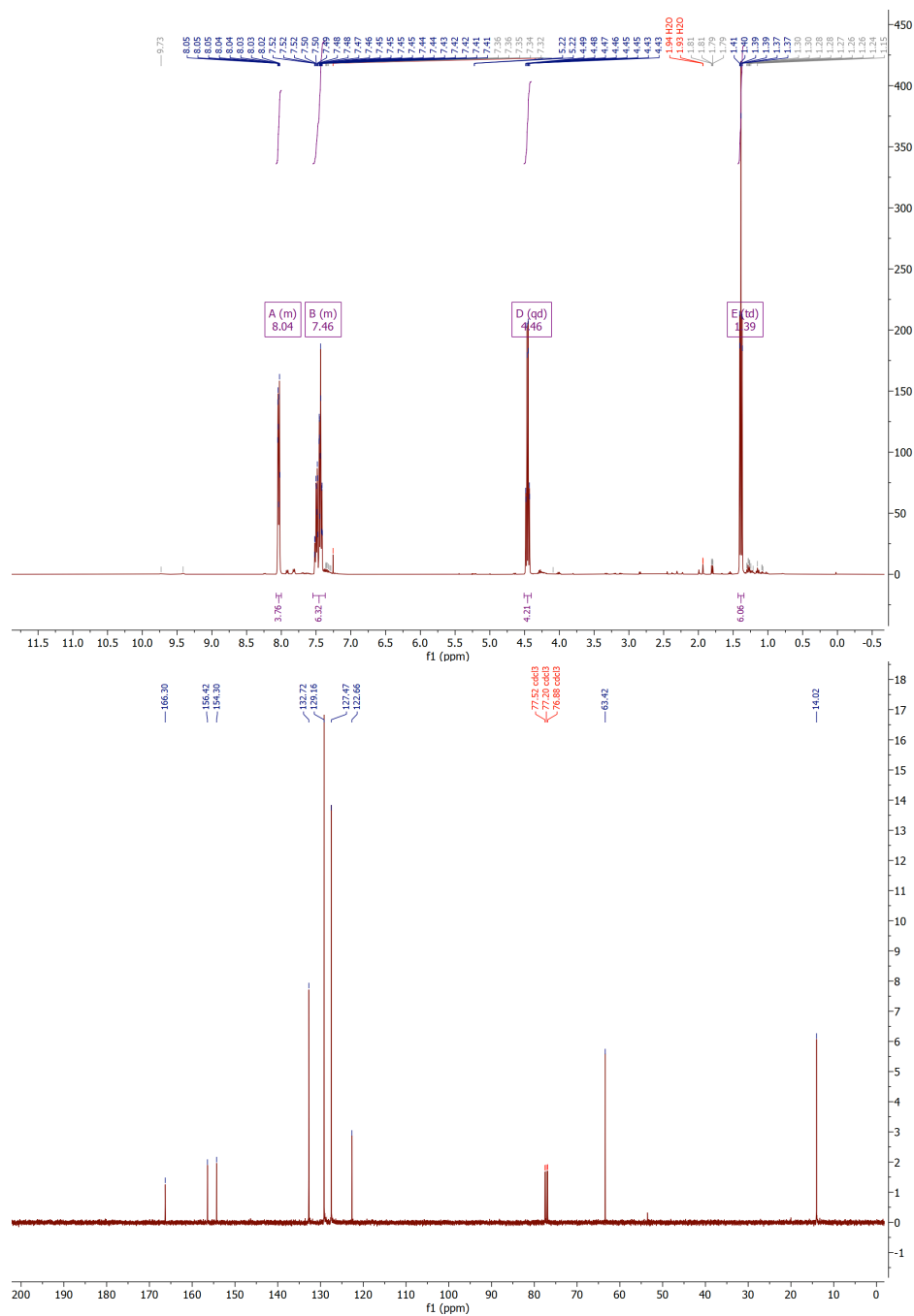


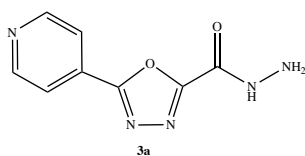
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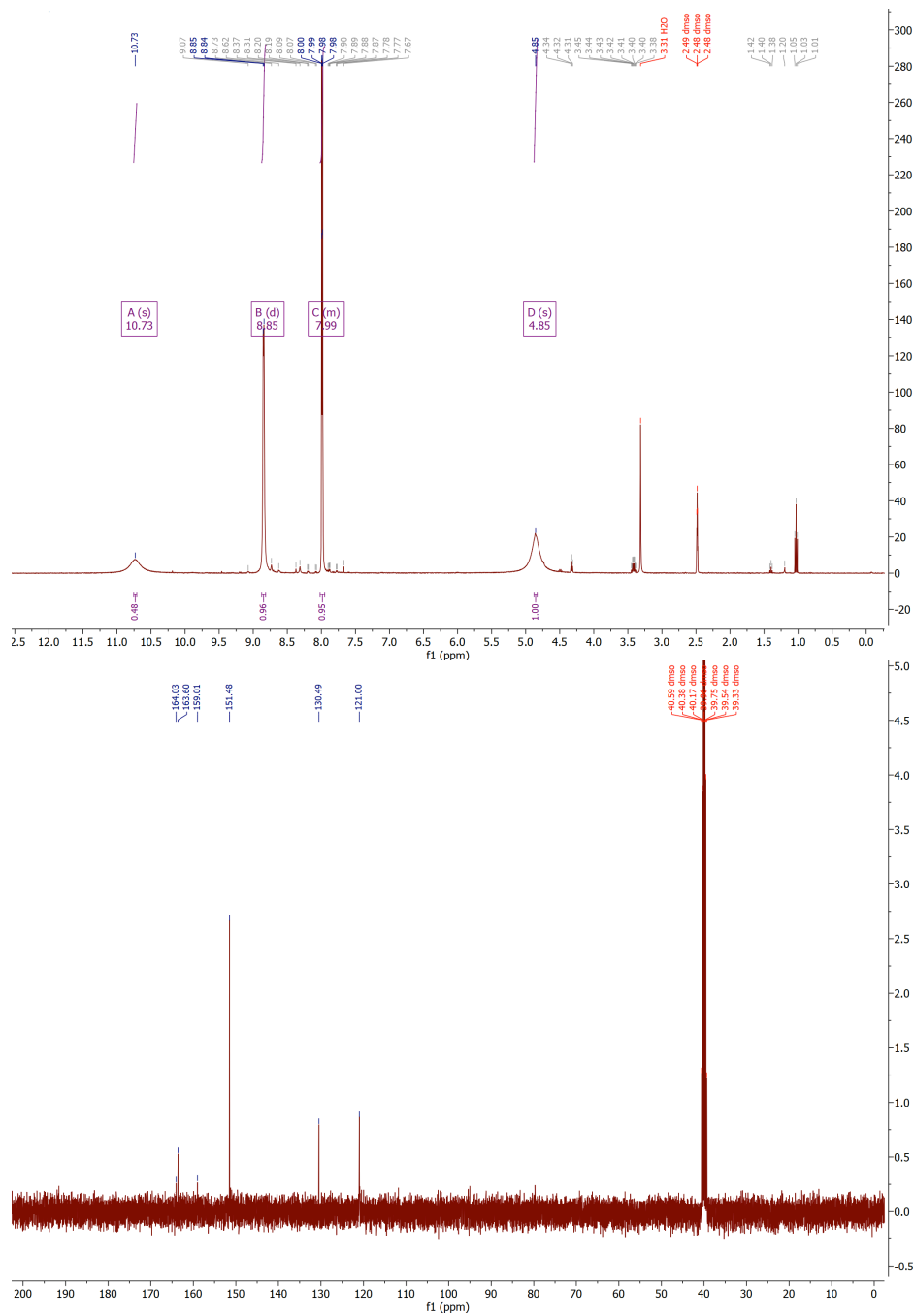


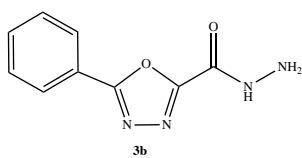
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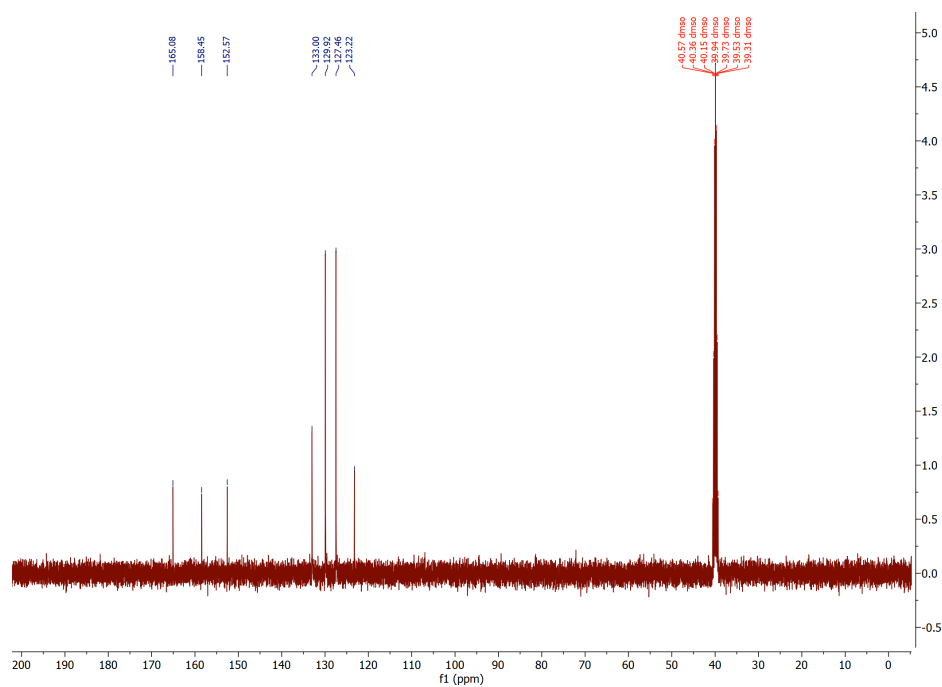
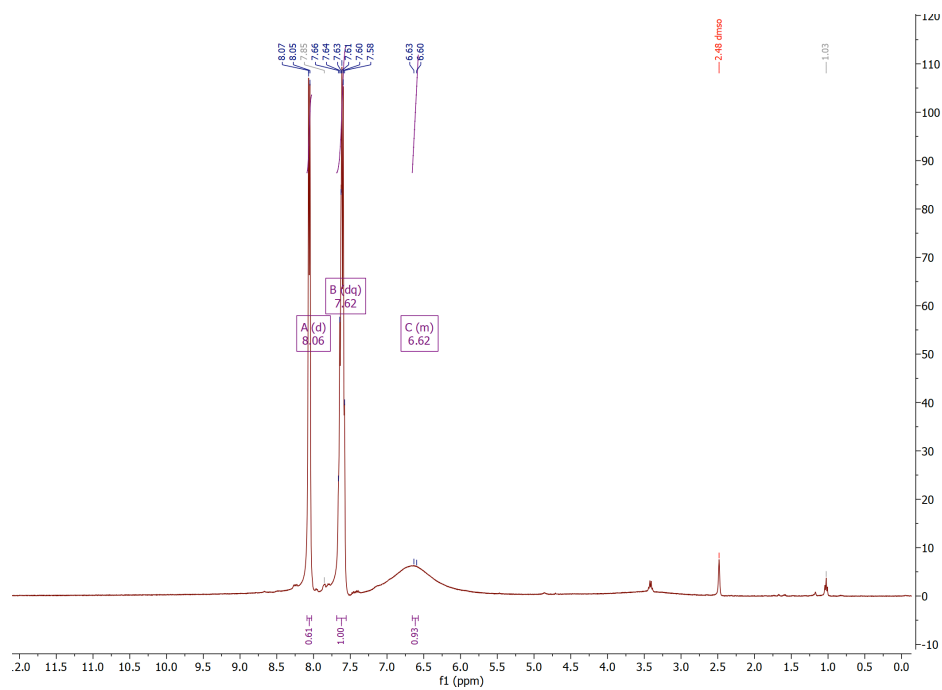


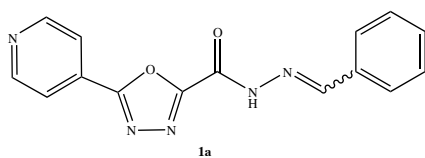
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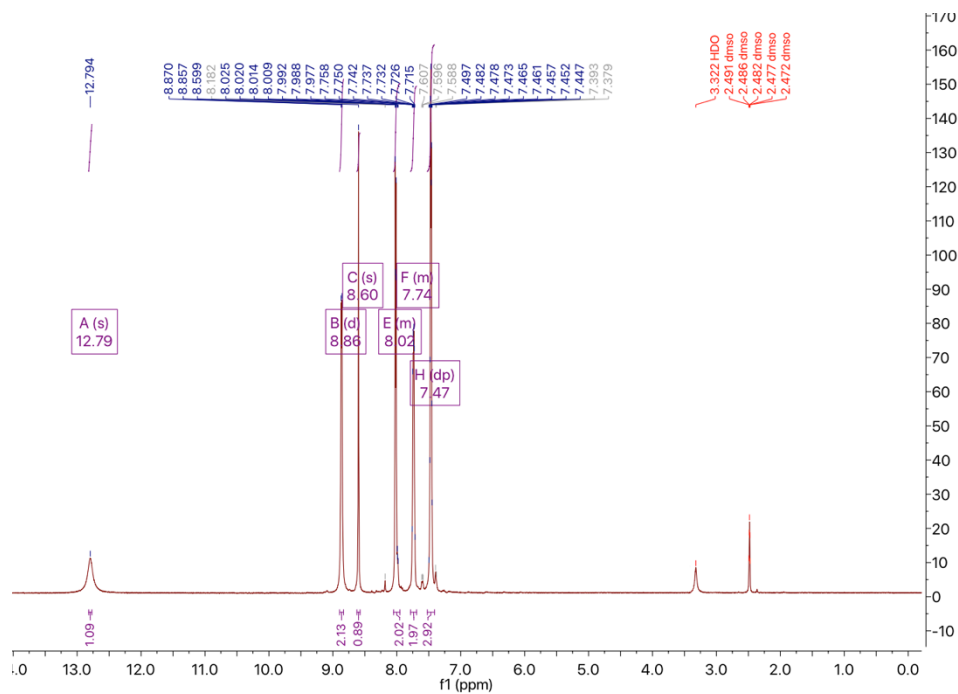


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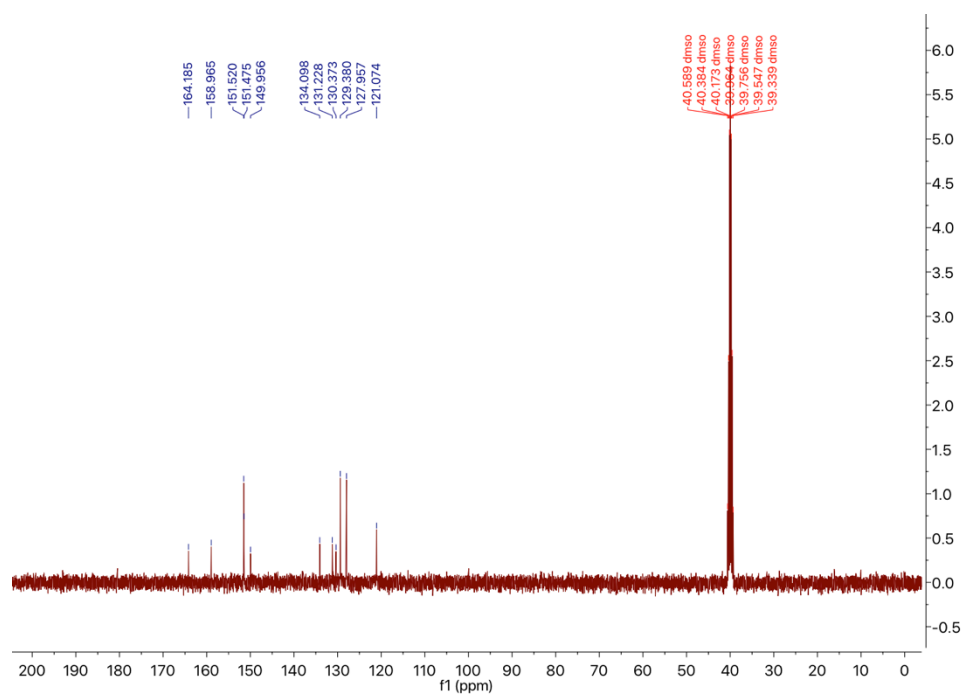


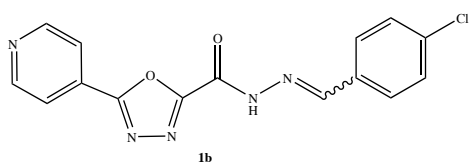


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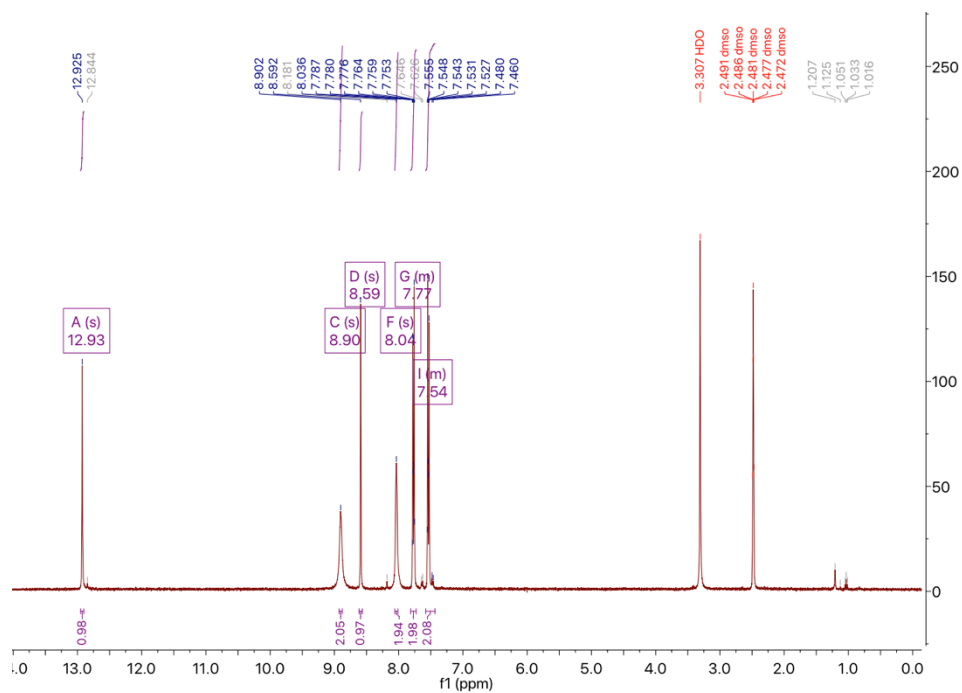


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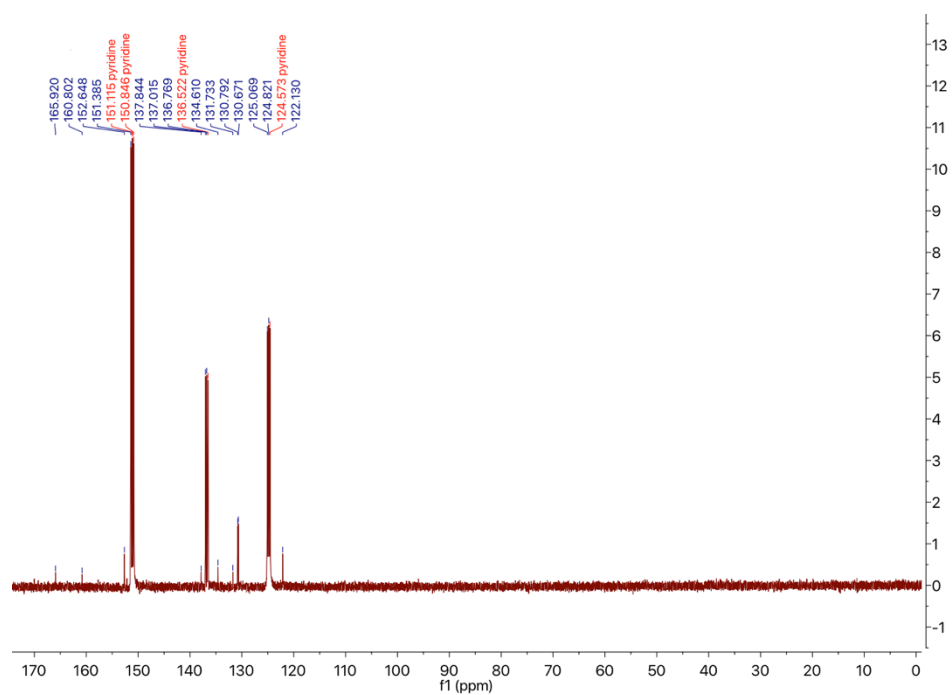


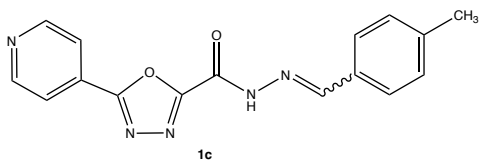


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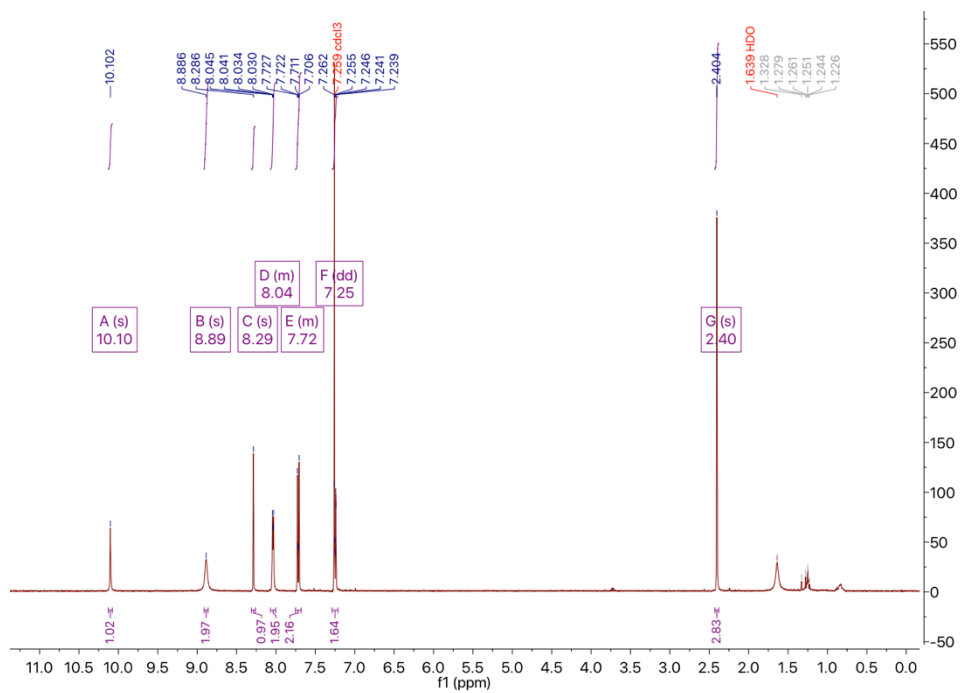


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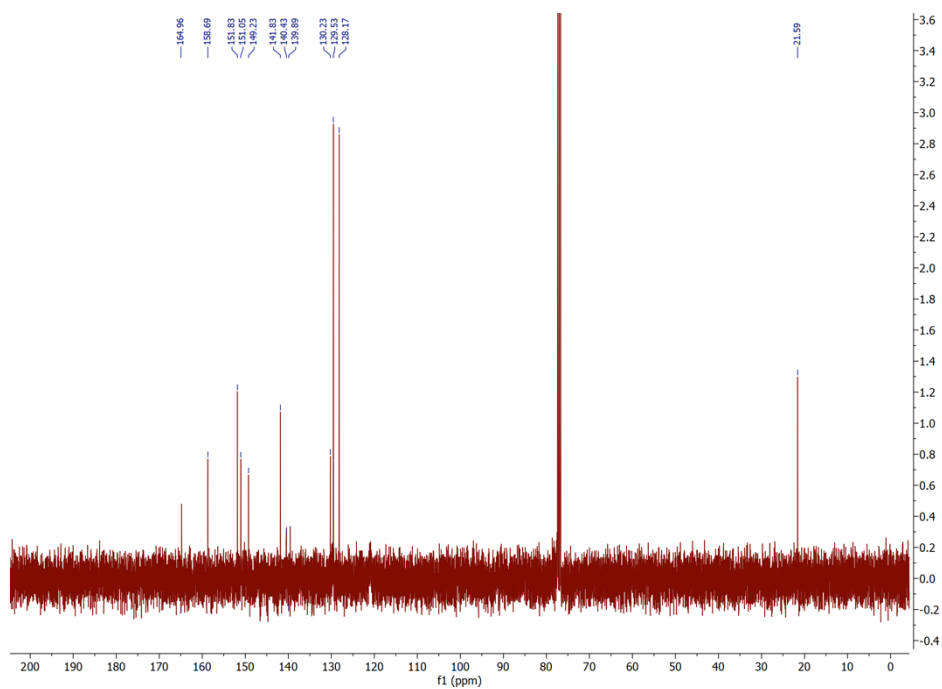


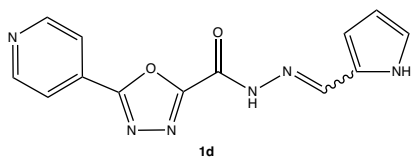


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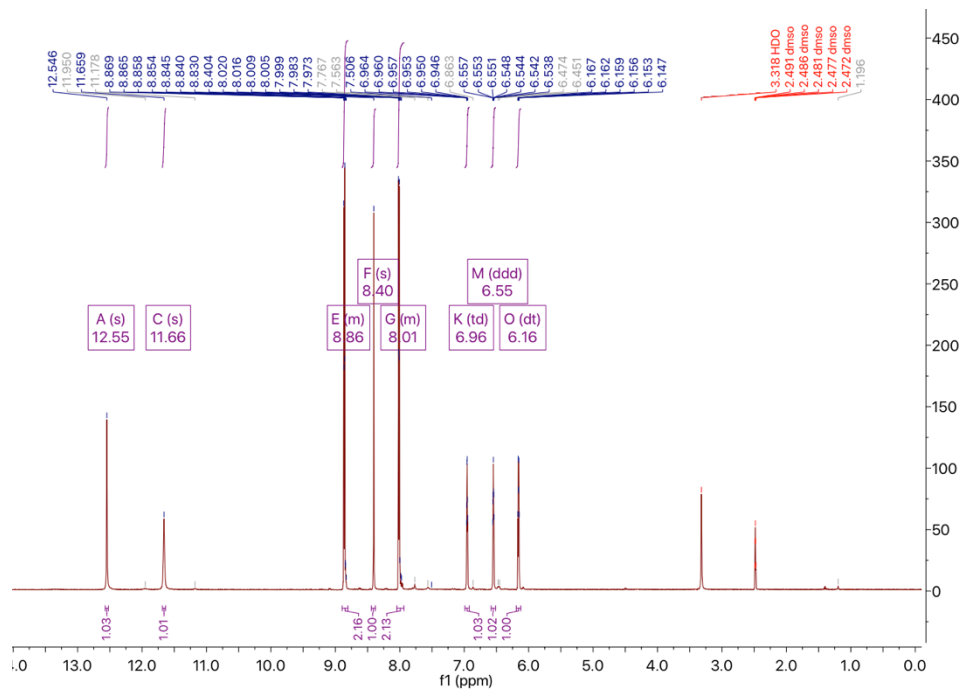


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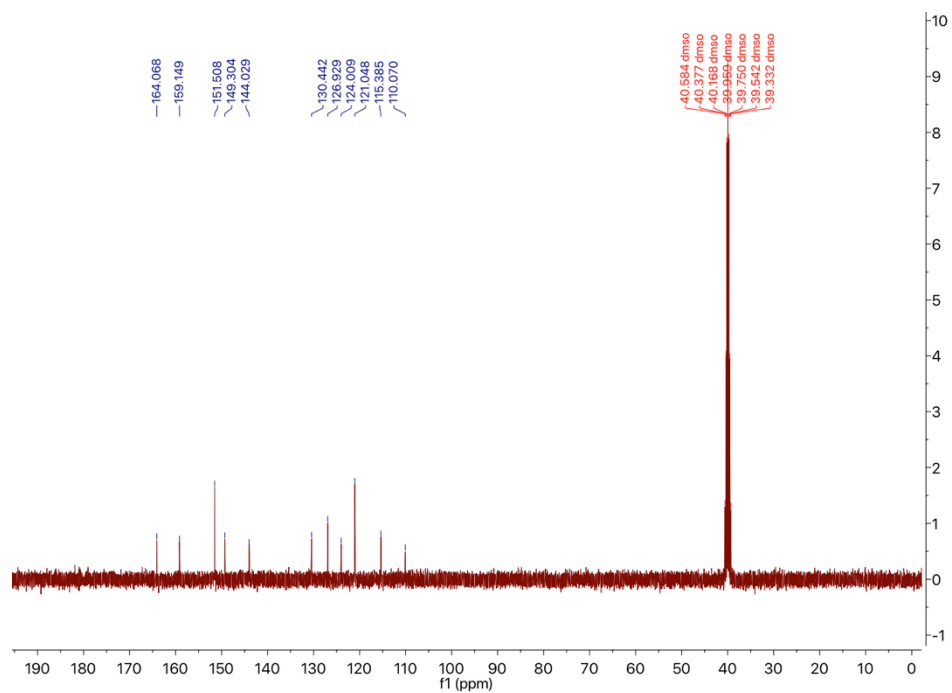


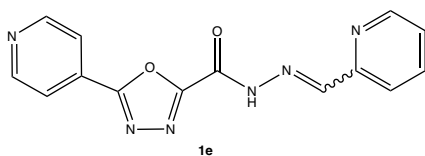


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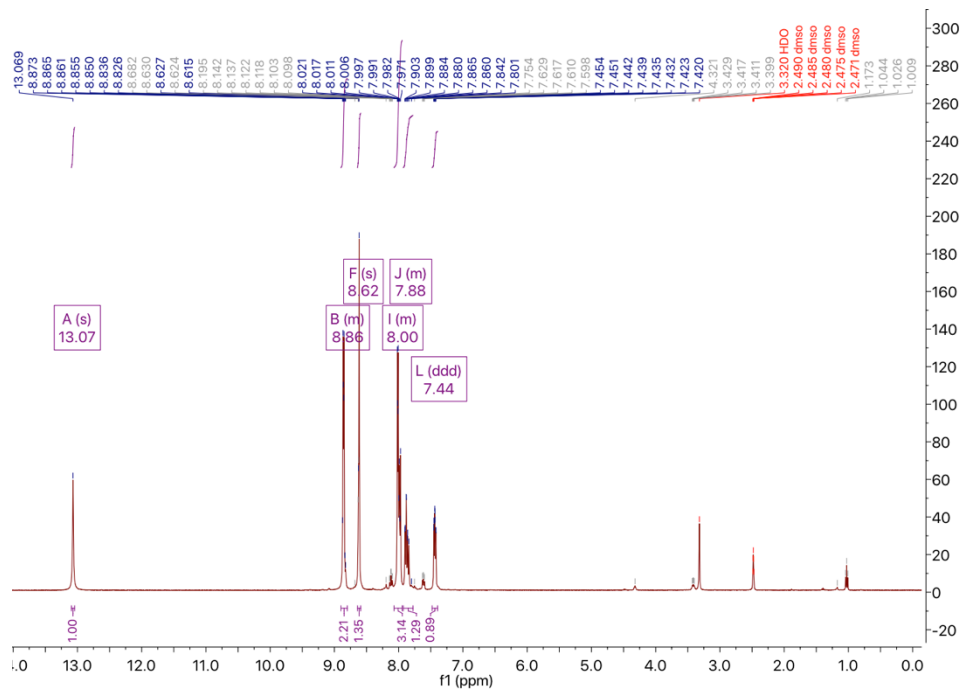


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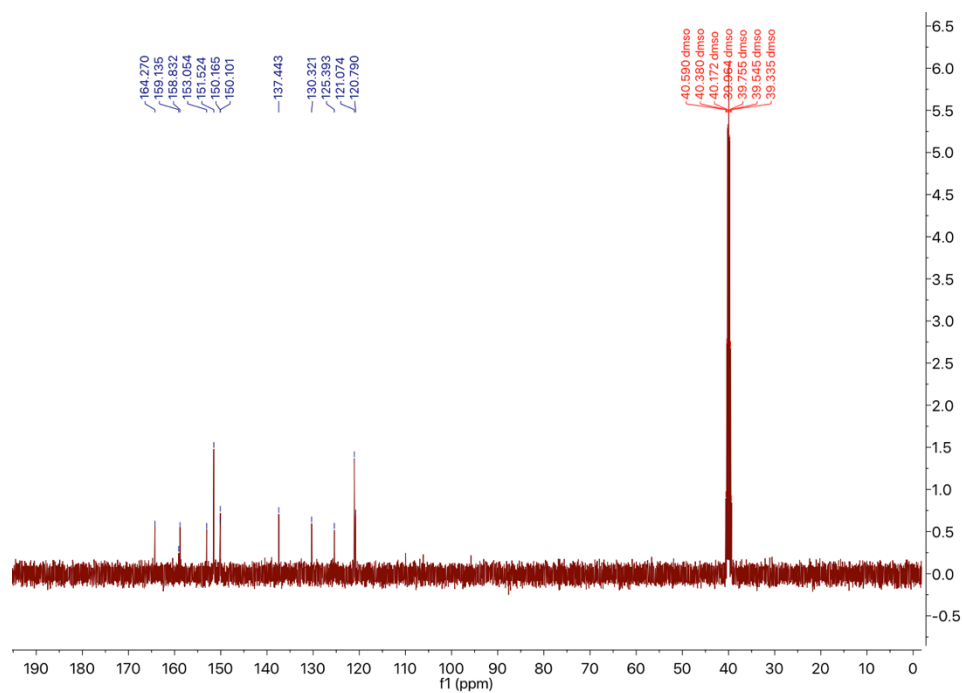


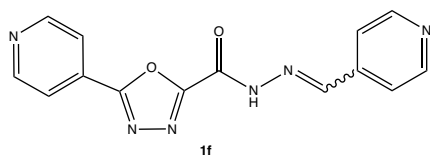


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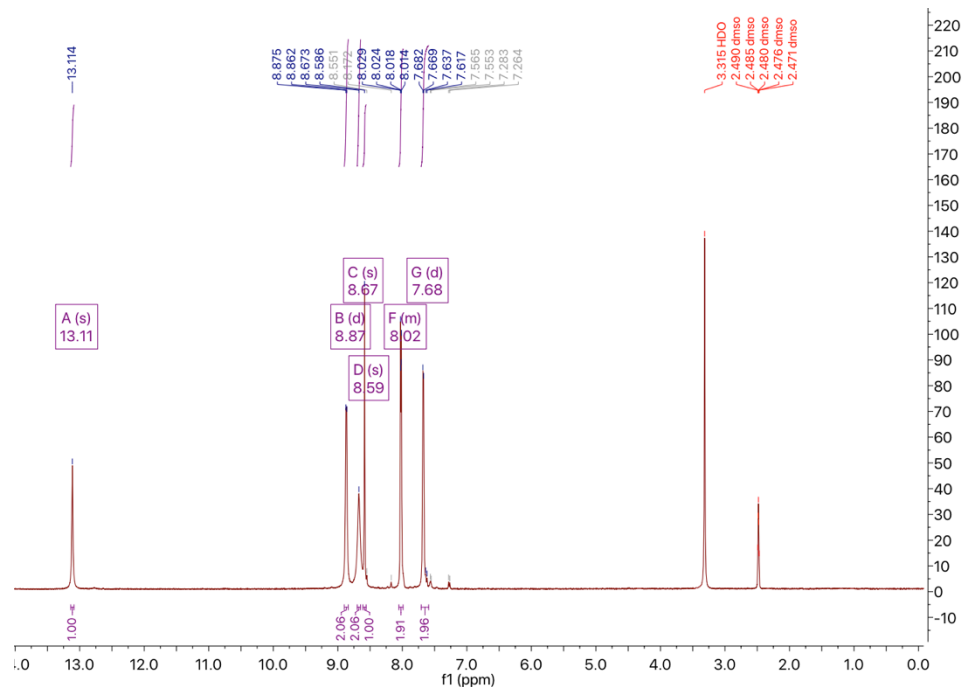


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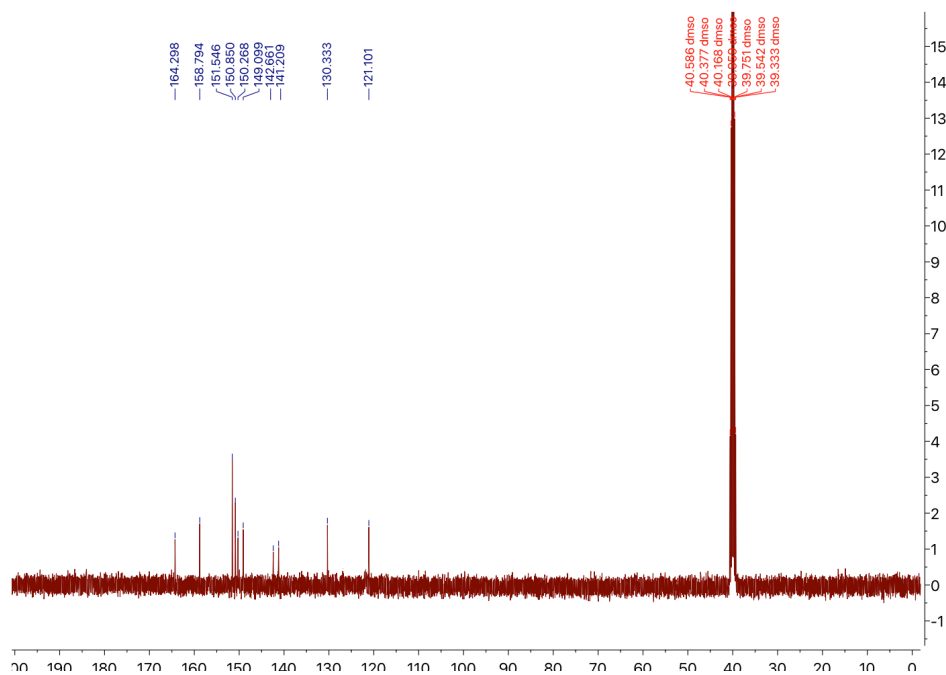


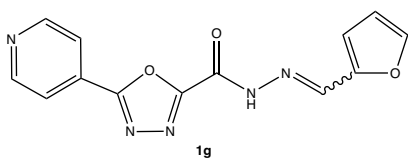


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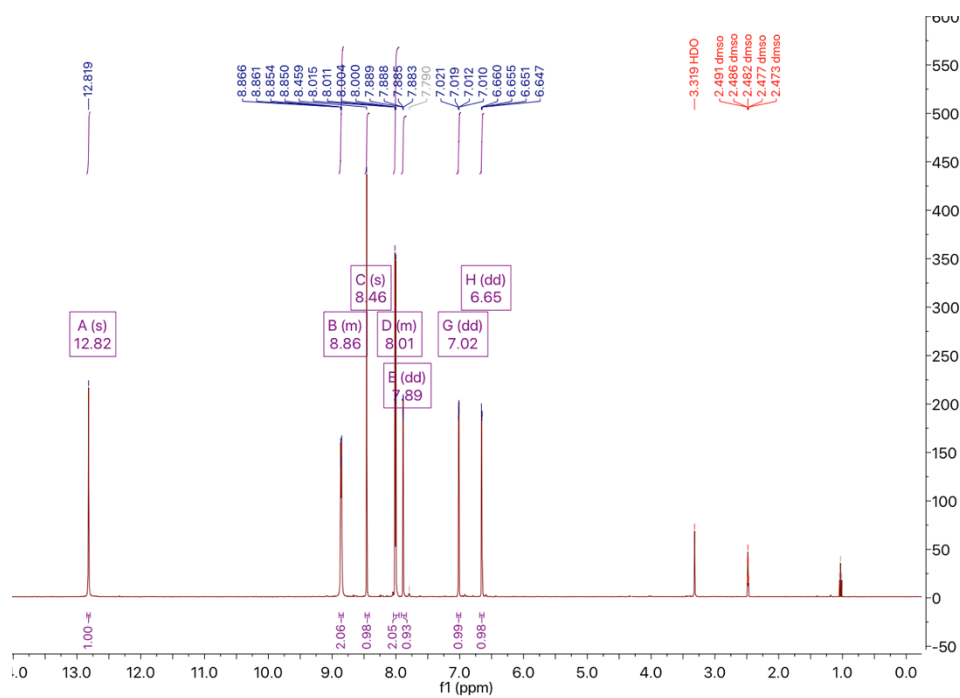


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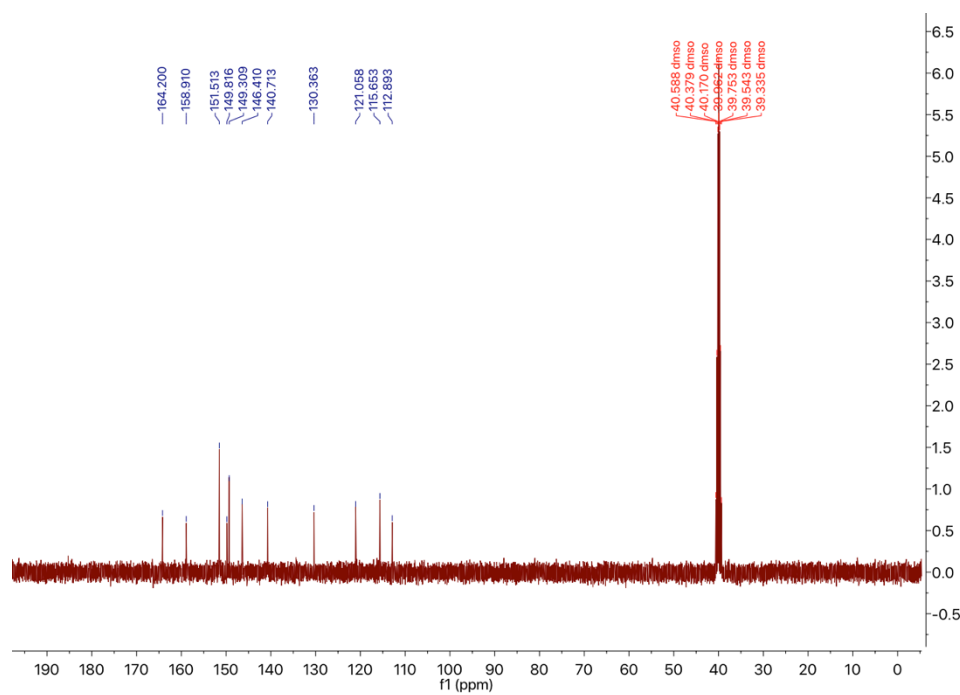


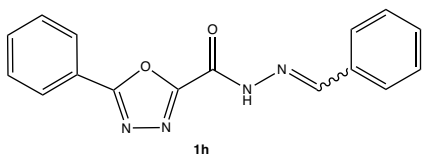


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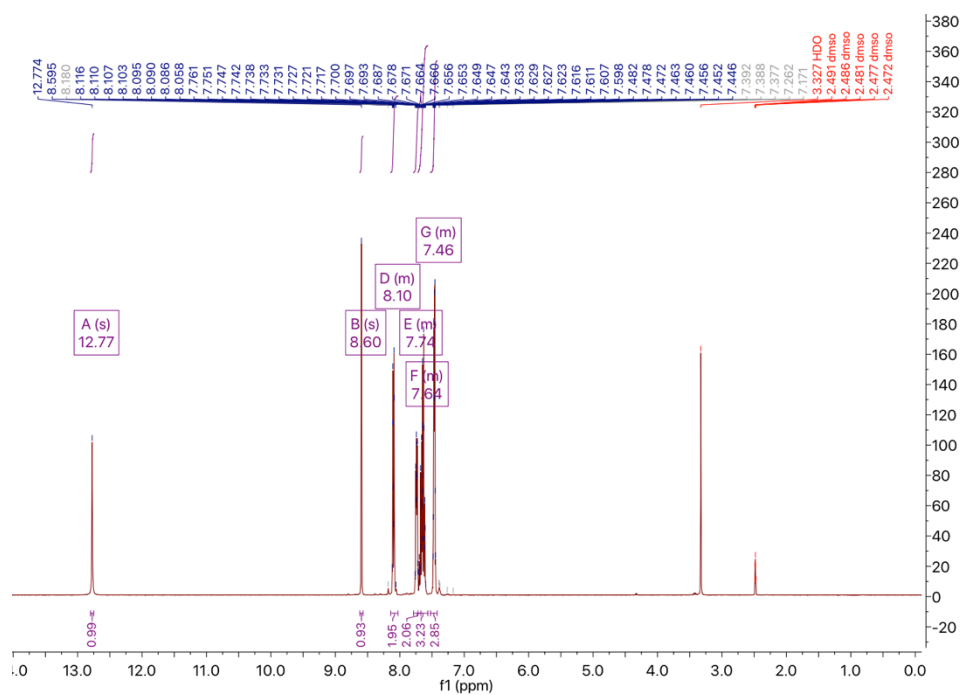


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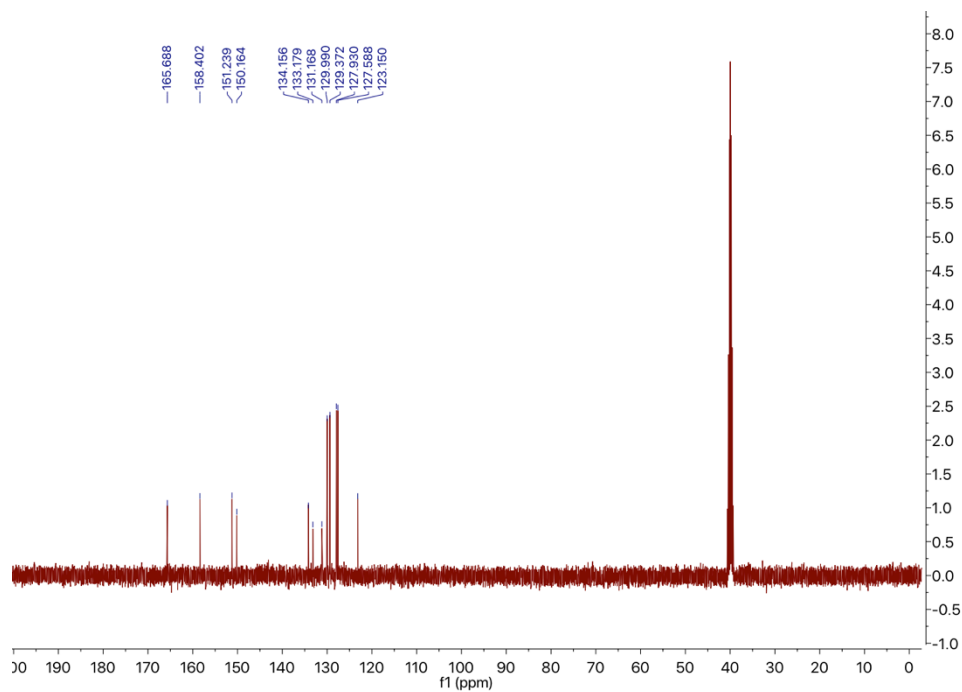


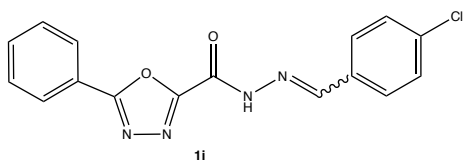


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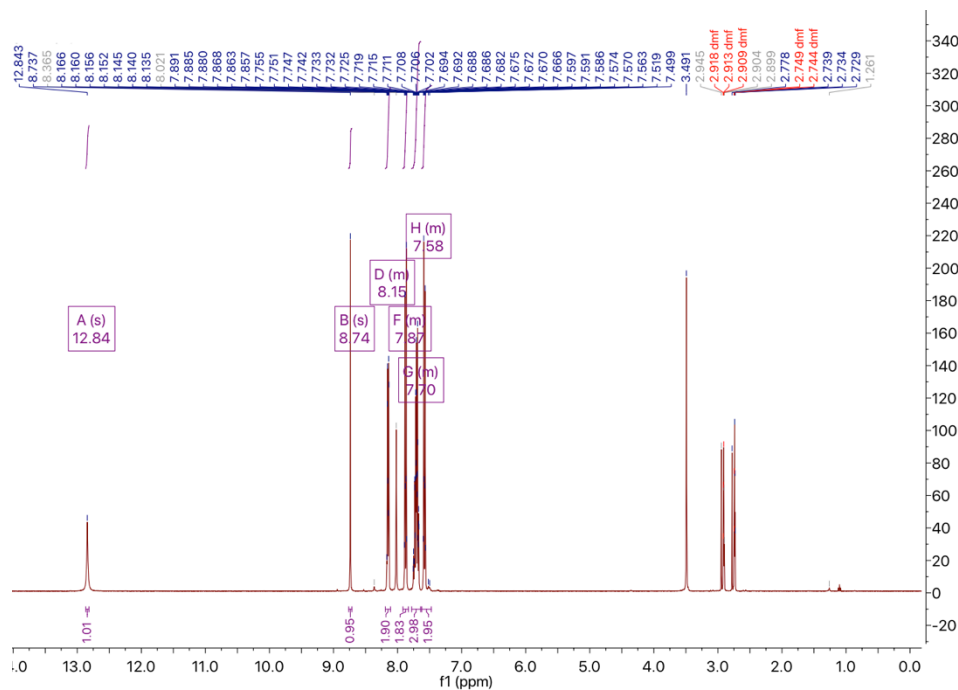


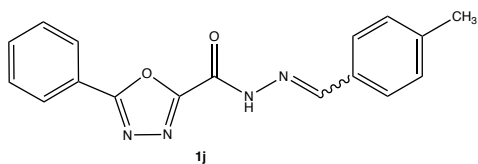
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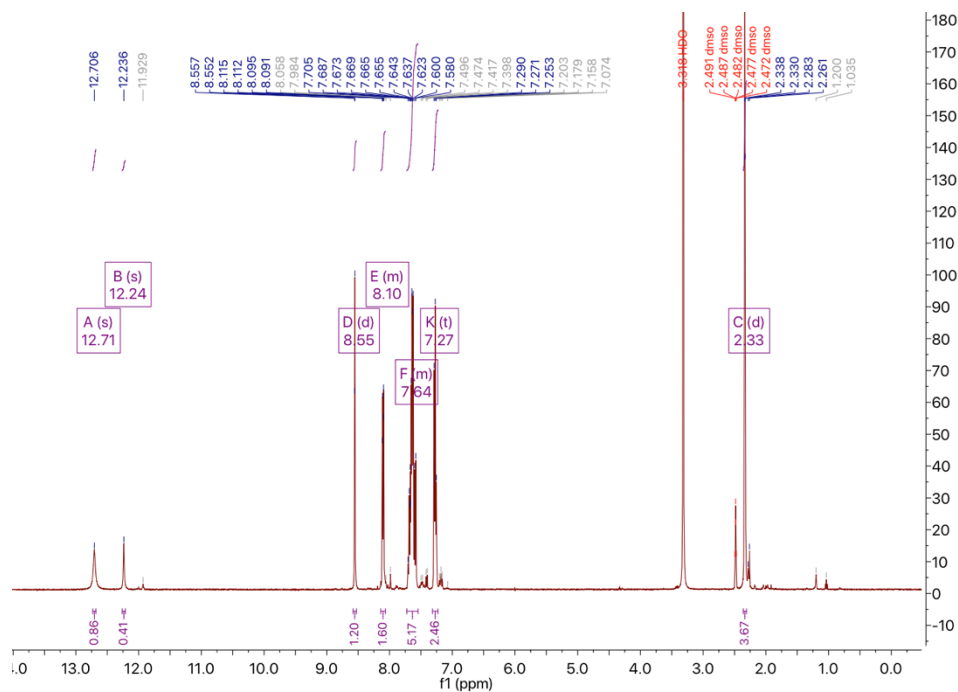


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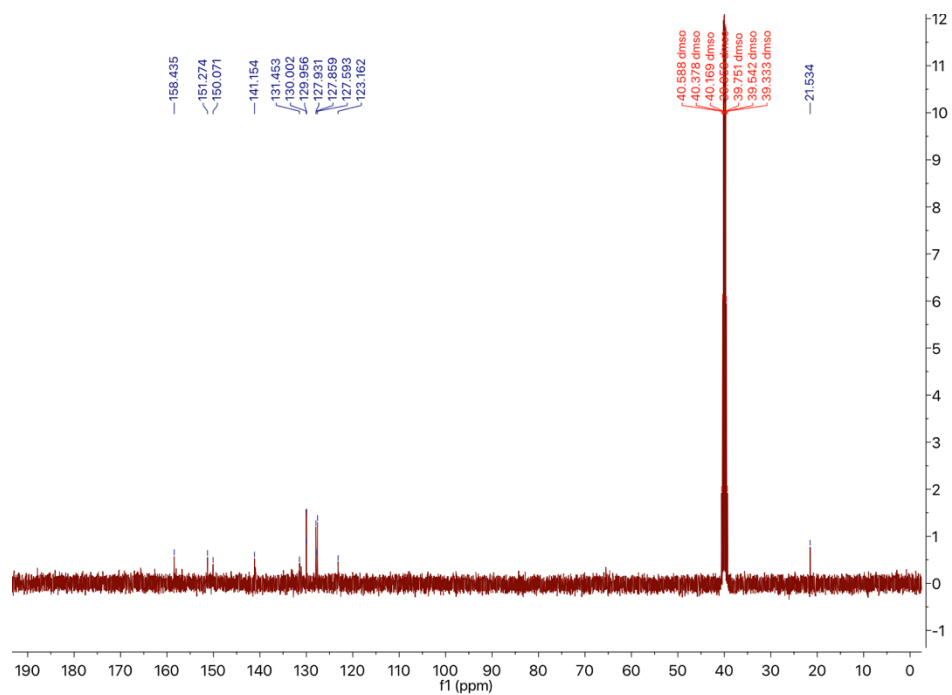


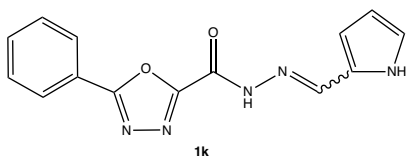


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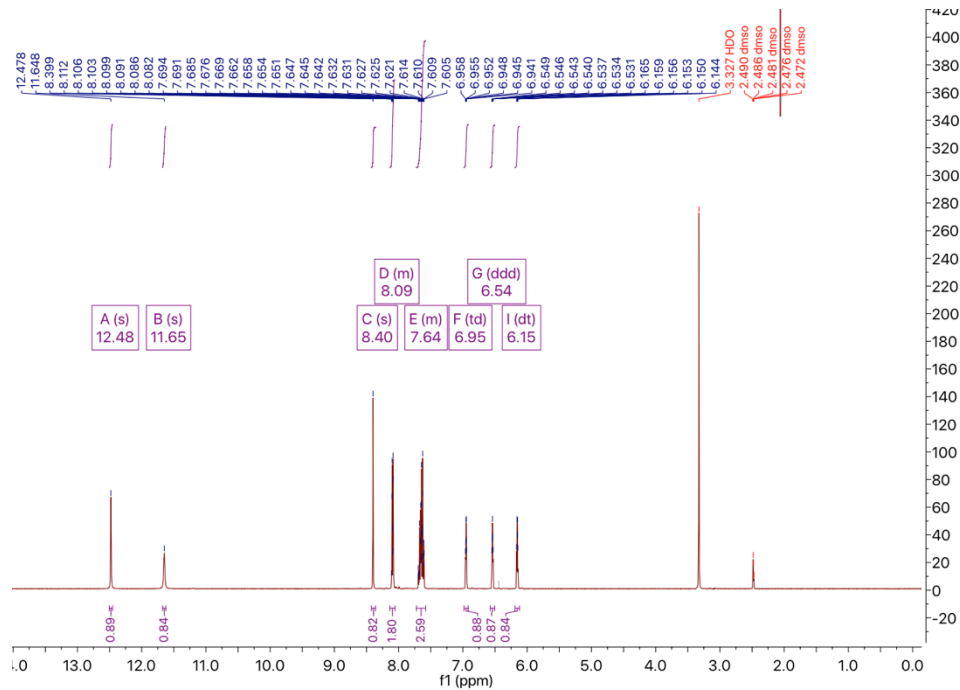


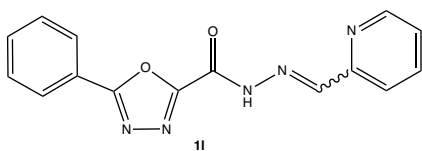
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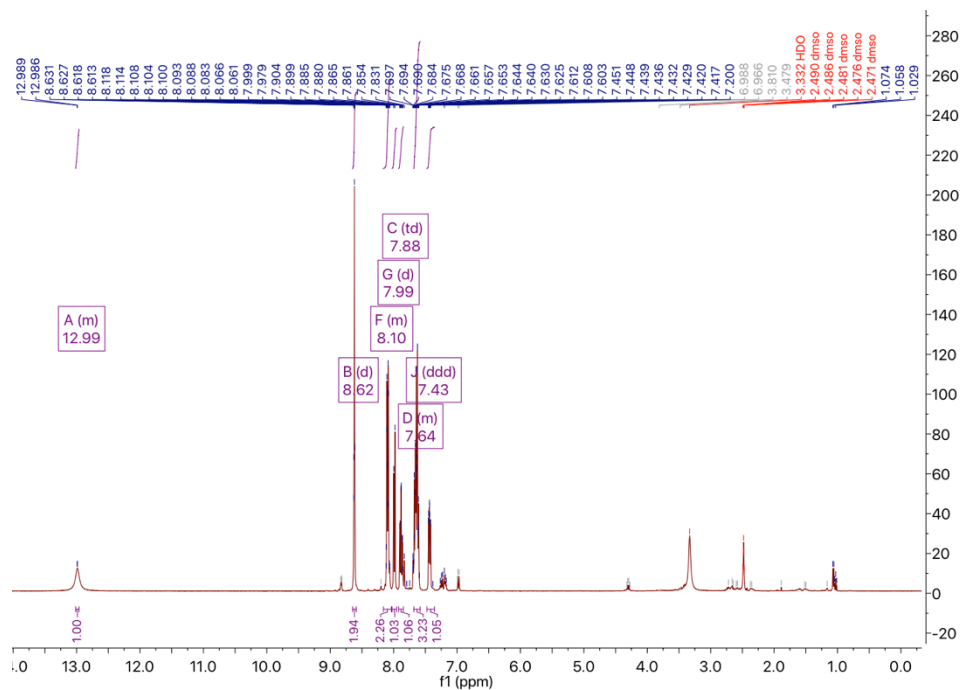


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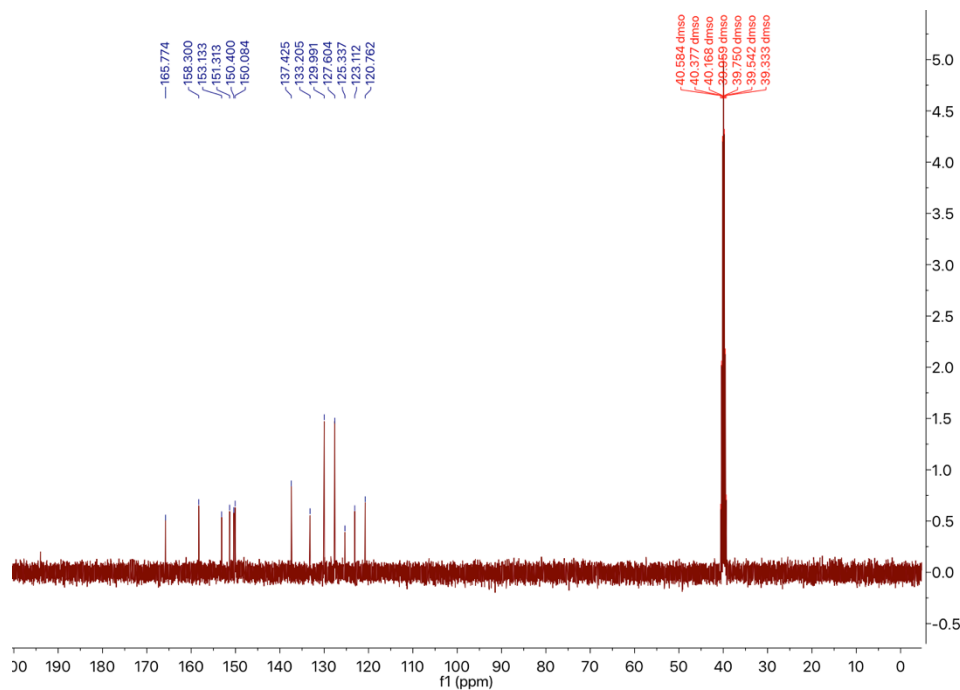


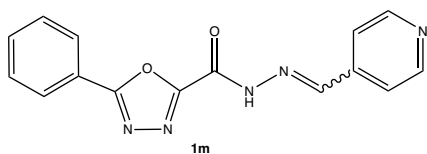


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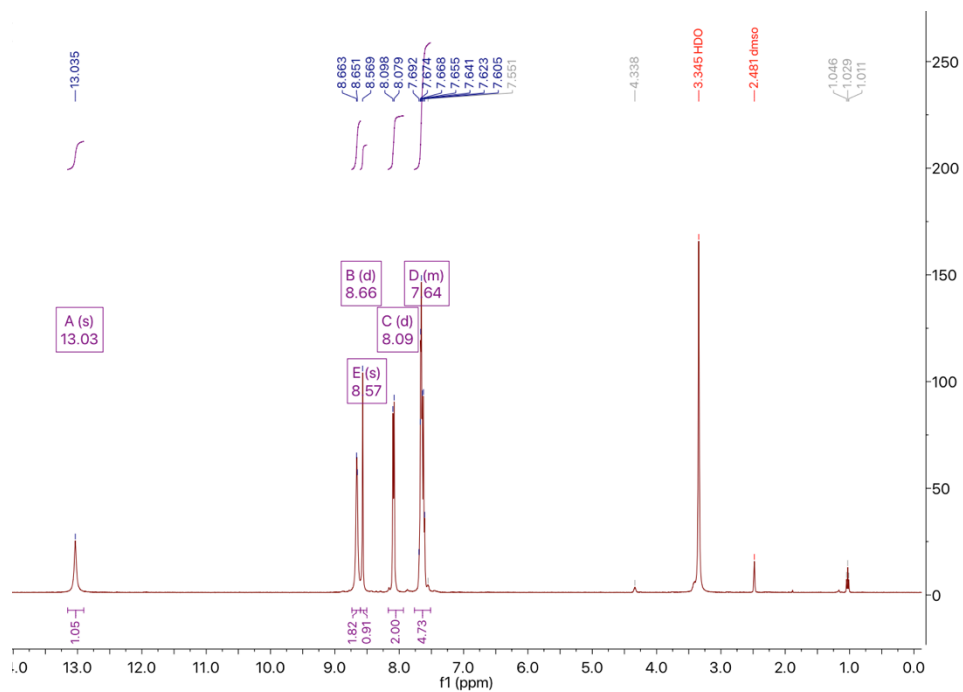


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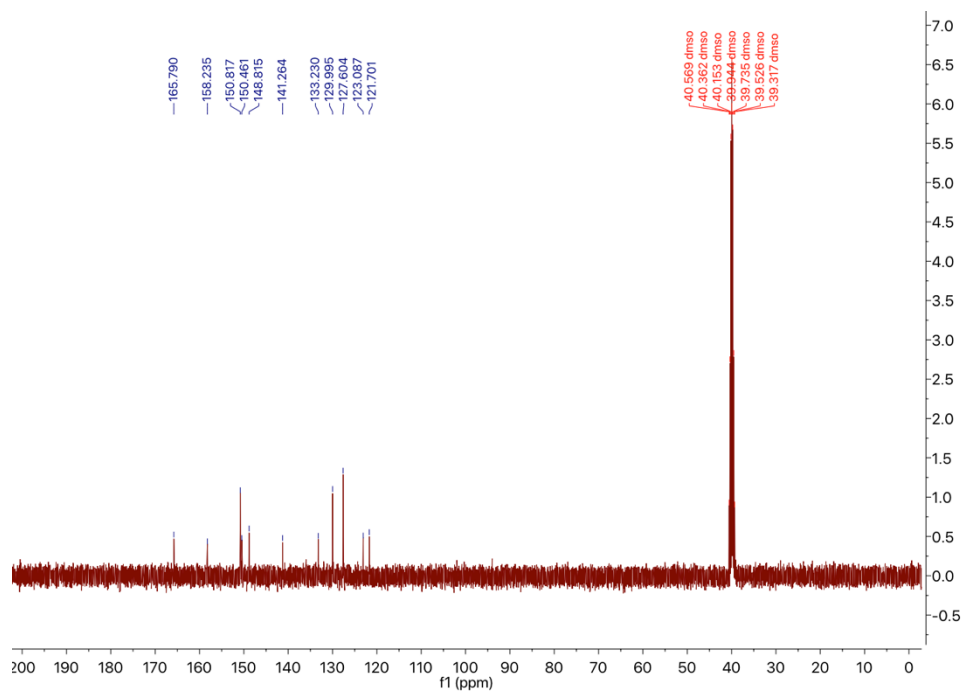


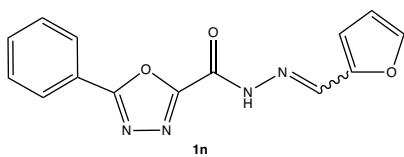


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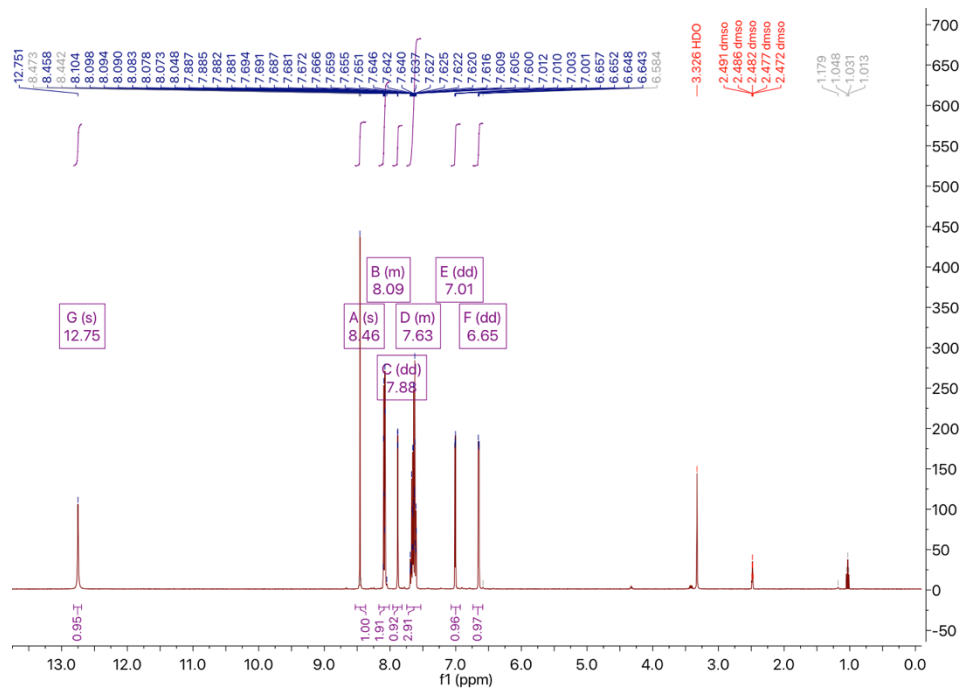


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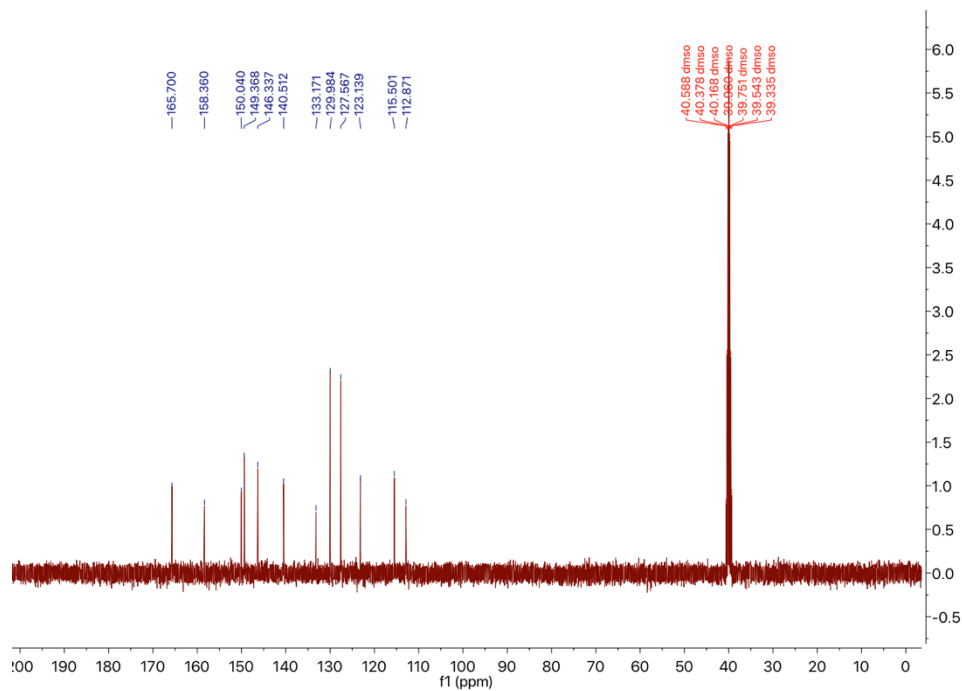




Solvent: DMSO-d6



Solvent: DMSO-d6



Cytotoxicity study (additional information)

Table S1: Percent of viability for compounds **1h**, **1k–n** vs DMSO in SH-SY5Y cell line.

The human neuroblastoma cell line SH-SY5Y was treated with 6 different concentrations of the indicated compounds as described in the paragraph 4.2.4. of the main text. Data represent average values \pm SEM for triplicate measurements from two independent experiments.

Conc (μ M)	Viability (%)				
	1h	1k	1l	1m	1n
100	97 \pm 12	37 \pm 6	49 \pm 7	61 \pm 9	97 \pm 11
50	100 \pm 14	49 \pm 7	70 \pm 10	87 \pm 11	100 \pm 13
25	99 \pm 15	81 \pm 12	93 \pm 13	96 \pm 14	100 \pm 12
12.5	99 \pm 11	101 \pm 14	98 \pm 13	98 \pm 16	99 \pm 15
6.25	99 \pm 13	100 \pm 13	100 \pm 12	100 \pm 14	100 \pm 11
3.125	100 \pm 13	100 \pm 13	100 \pm 12	100 \pm 14	100 \pm 11

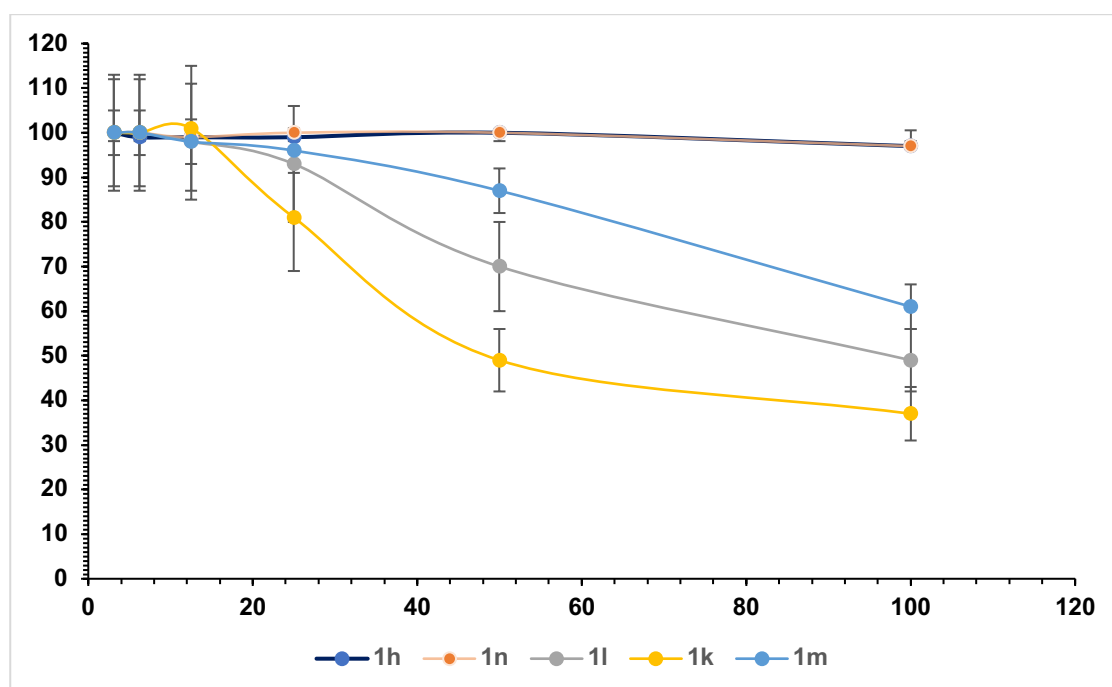


Figure S1: Percentage of viability of tested compounds \pm SEM

CC₅₀ were determined by curve-fitting.

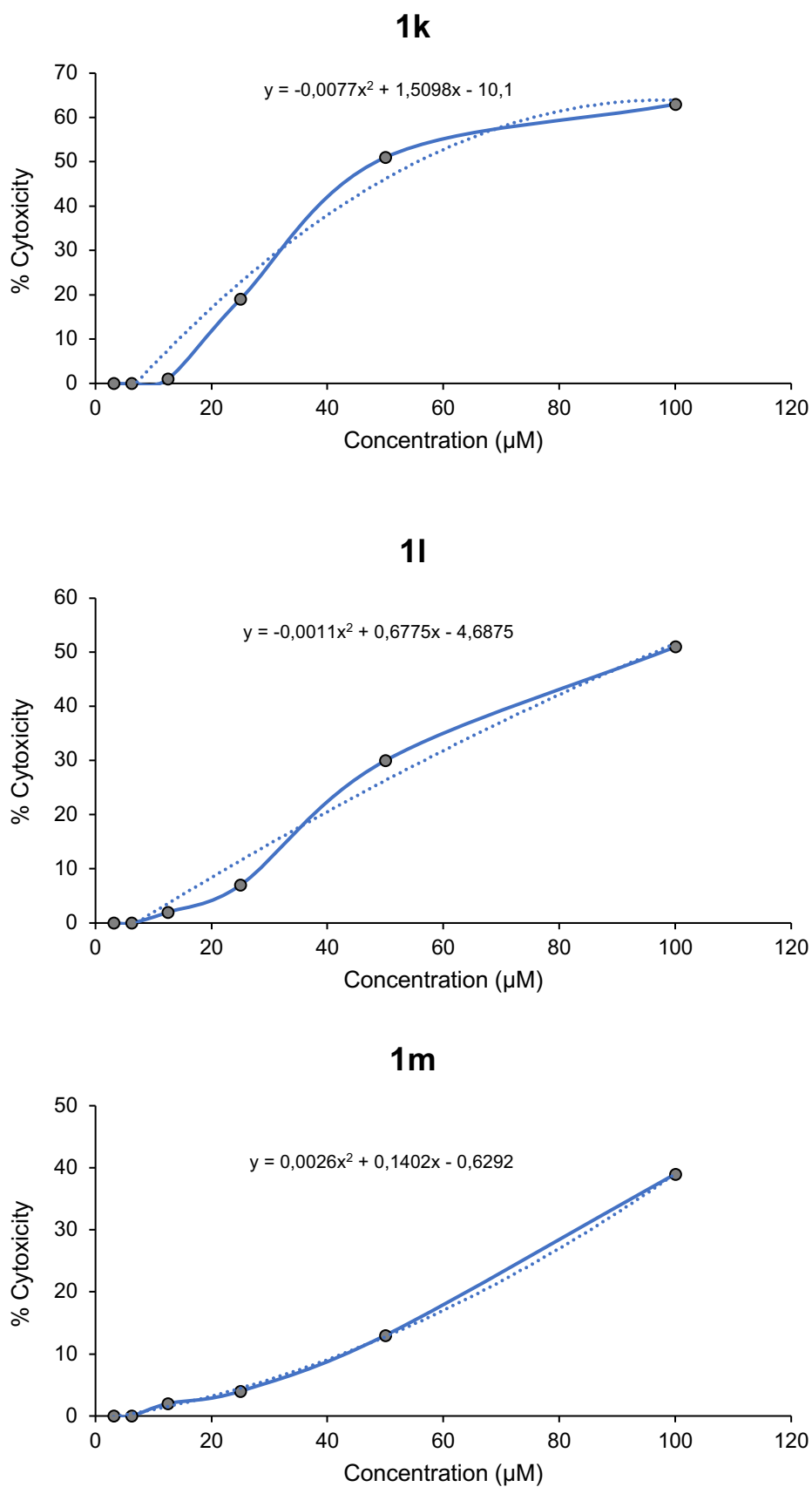


Figure S2-S4: CC₅₀ curves for compounds **1k-m**.

Table S2: CC_{50} (μM) of tested compounds **1h**, **1k–n** in SH-SY5Y cell line.

Cmpd	CC_{50} (μM)
1h	Not observed up to 100
1k	50 ± 6
1l	100 ± 12
1m	128 ± 16
1n	Not observed up to 100