

4-Nitro-2,1,3-benzoxadiazole derivatives as potential fluorescent sigma receptor probes

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Table S1 Radioligand Binding Profile of compounds 5d, 5g, 7b, 7e and 7g

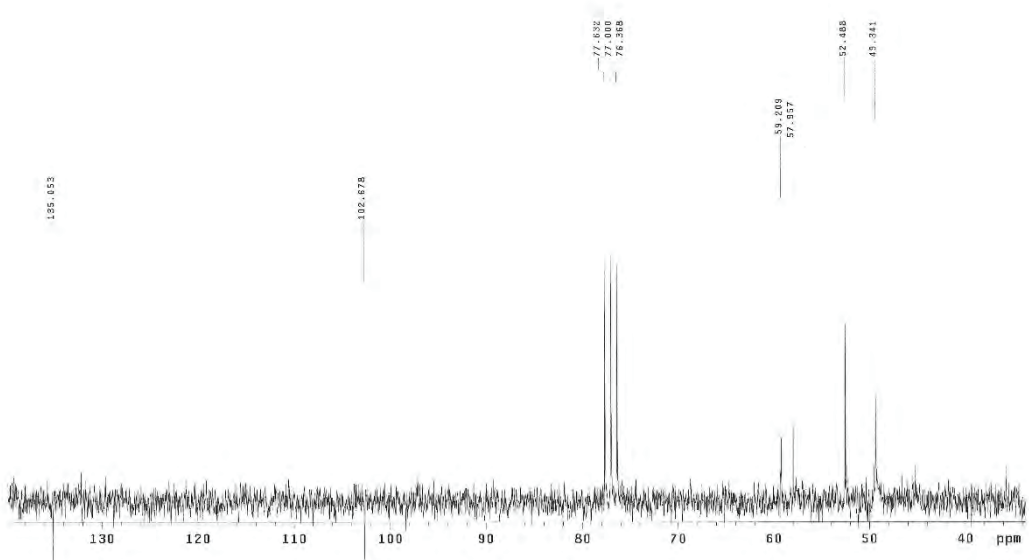
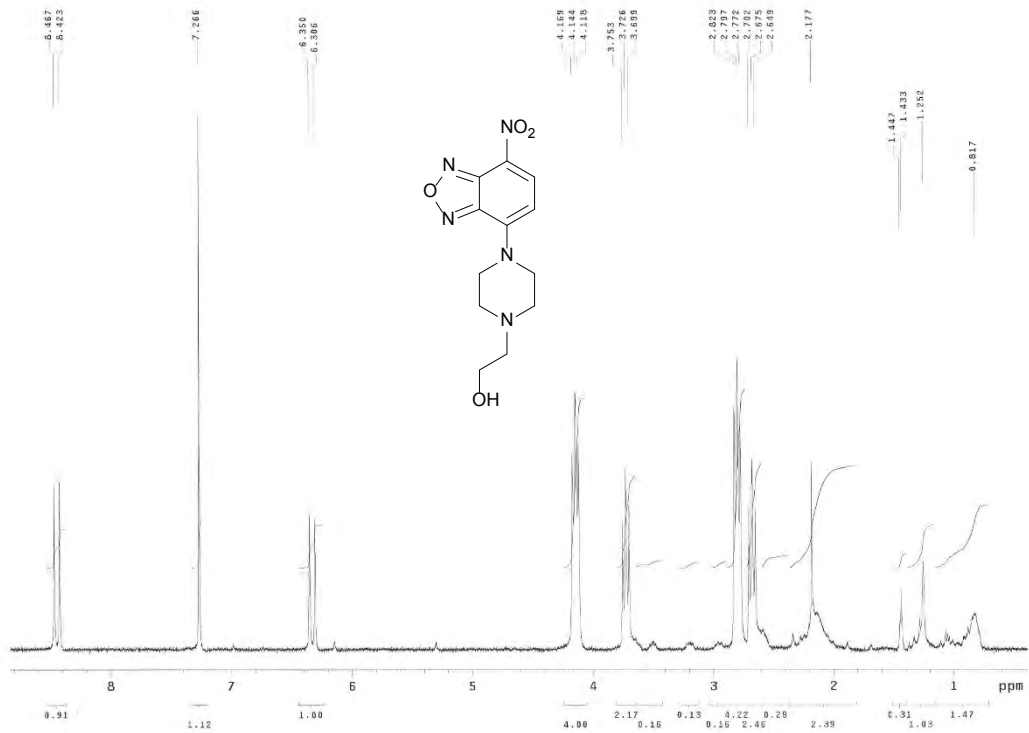
	5d	5g	7b	7e	7g
Opioid	>10000	981± 283	>10000	>10000	>10000
DA receptors					
D₁	>10000	>10000	709 ±102	>10000	>10000
D₂	>10000	>10000	>10000	>10000	>10000
D₃	>10000	>10000	>10000	936 ± 188	898 ±122
D_{4,2}	>10000	>10000	>10000	>10000	927 ±107
5-HT receptors					
5-HT2A	>1000	>10000	>10000	>10000	>10000
5-HT2c	>10000	>10000	>10000	>10000	>10000
5-HT3	>10000	741 ±212	878 ±196	>10000	>10000
5-HT4	>10000	>10000	935 ±198	>10000	>10000
5-HT6	>10000	>10000	>10000	>10000	>10000
α receptors					
α₁	>10000	>10000	>10000	>10000	>10000
α₂	>10000	>10000	>10000	>10000	>10000
Muscarinic receptors	>1000	>10000	>1000	>10000	>10000
H₁ receptors	>1000	>10000	>10000	>10000	>10000
NMDA receptors					
NMDA	>10000	>1000	>10000	>10000	>10000
NMDA rec. channel	>10000	>1000	792 ±202	>10000	>10000
DAT	>10000	>10000	639 ±168	>10000	856 ±148
SERT	>1000	>10000	>10000	>10000	>10000

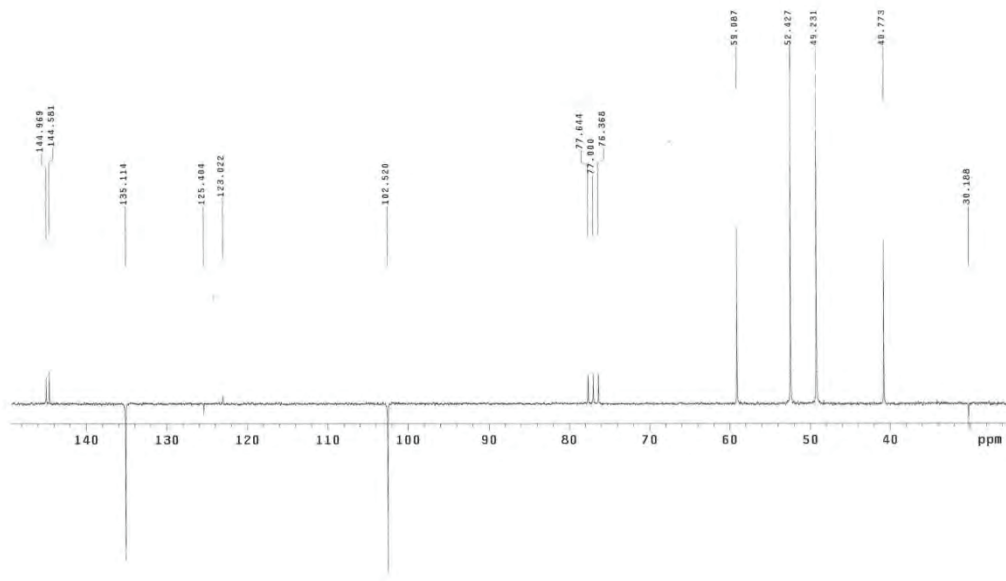
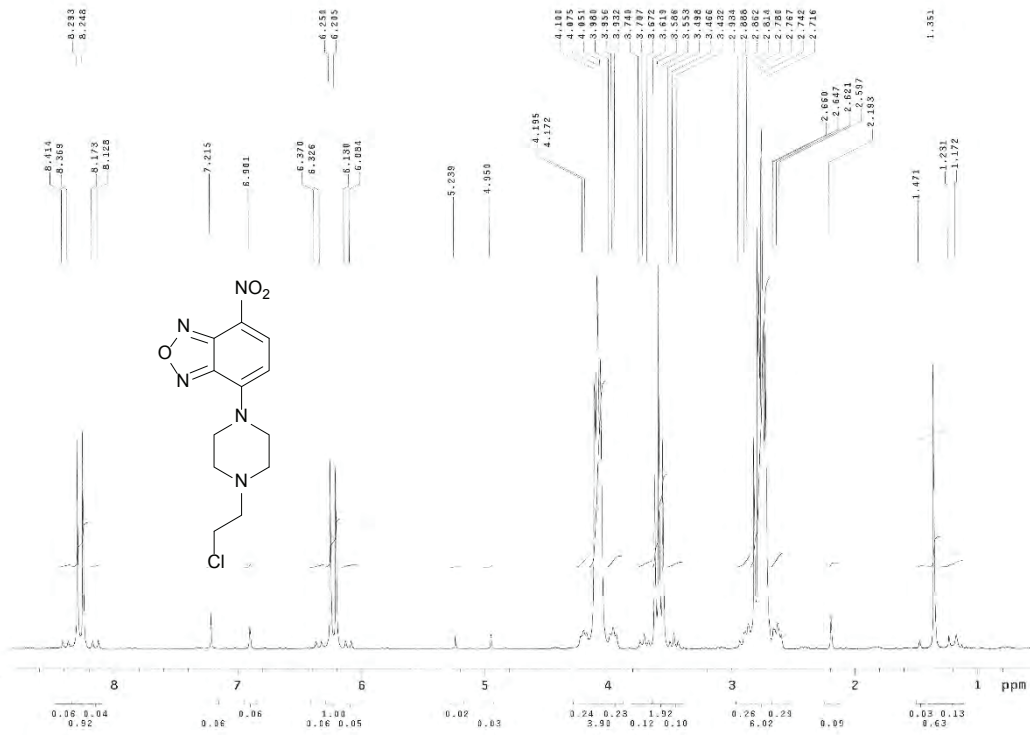
Table S2 Radioligand Binding Experimental Conditions

Receptor	Tissue	Radioligand
DA receptor		
D1 ¹	rat striatum	[³ H]-SCH23390
D2 ²	rat striatum	[³ H]-spiperone
D3 ³	Rat olfactory tubercle	[³ H]-7-OH-DPAT
D4.2 ⁴	rat cloned in HEK-293 cells	[³ H]-spiperone
5-HT receptor		
5-HT2A ⁵	rat cortex	[³ H]ketanserin
5-HT2C ⁶	guinea pig cortex	[³ H]mesulergine
5-HT3 ⁷	rat cortex	[³ H]LY278584
5-HT4 ⁷	guinea pig cortex	[³ H]GR113808
5-HT6 ⁸	rat cloned in HEK-293 cells	[³ H]5-HT
α receptors		
α ₁ ⁹	rat cortex	[³ H]prazosin
α ₂ ¹⁰	rat cortex	[³ H]RX821002
H₁ receptors¹¹	rat cortex	[³ H]pyrilamine
Muscarinic receptors¹²	rat cortex	[³ H]QNB
NMDA receptors		
NMDA ¹³	rat cortex	[³ H]MK801
DAT¹⁴	rat cortex	[³ H]WIN35428
SERT⁷	rat cortex	[³ H]citalopram
Opioid¹⁵	rat cortex	[³ H]Naloxone

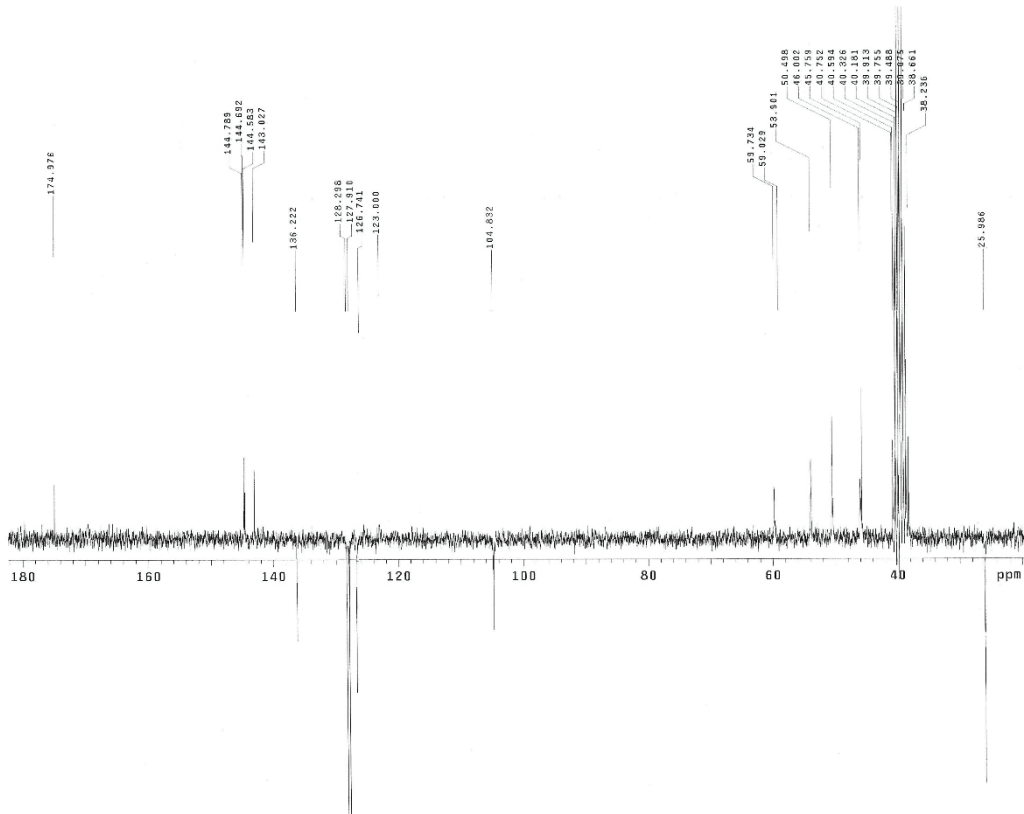
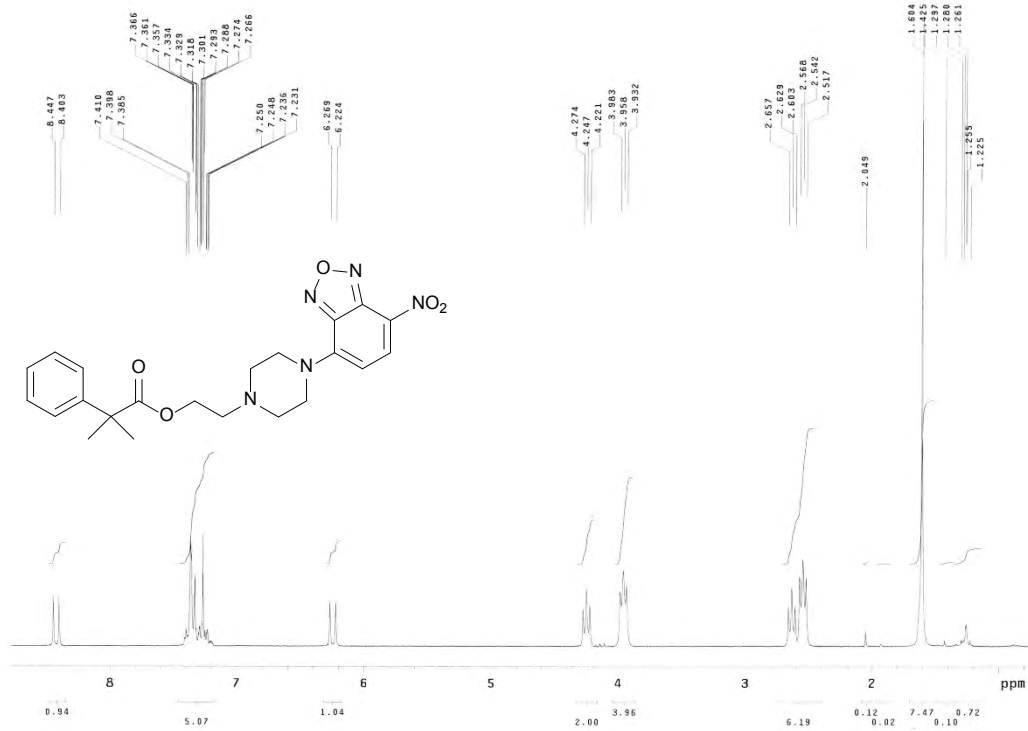
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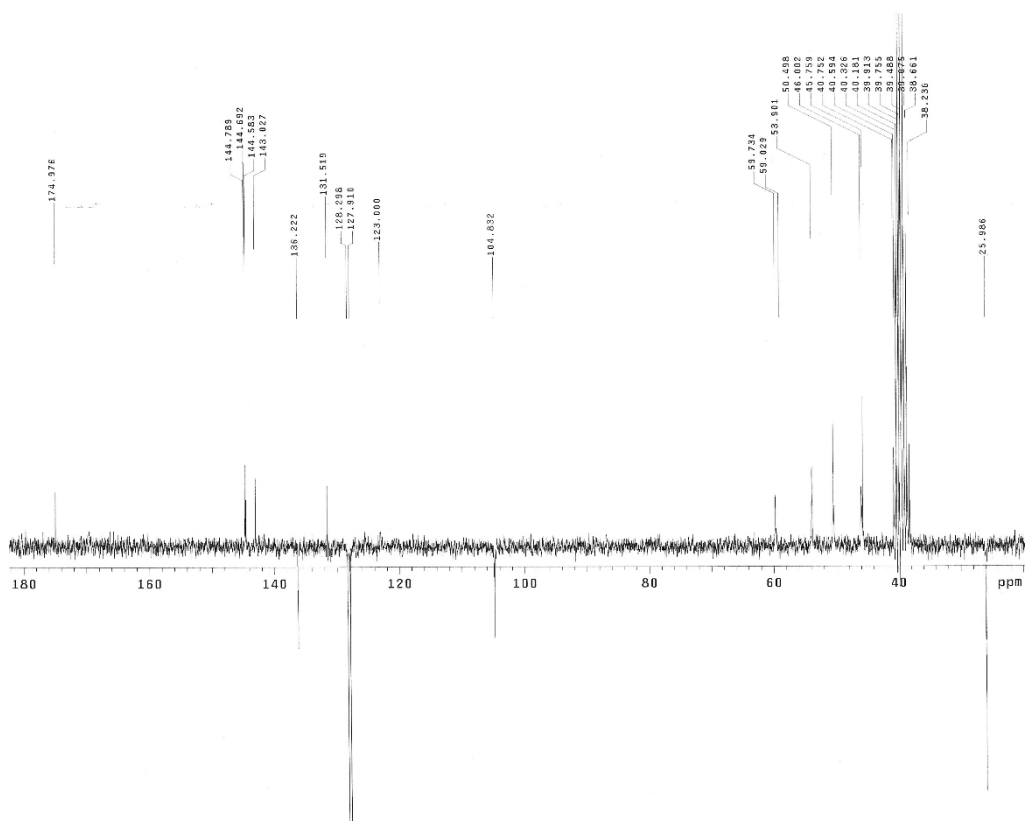
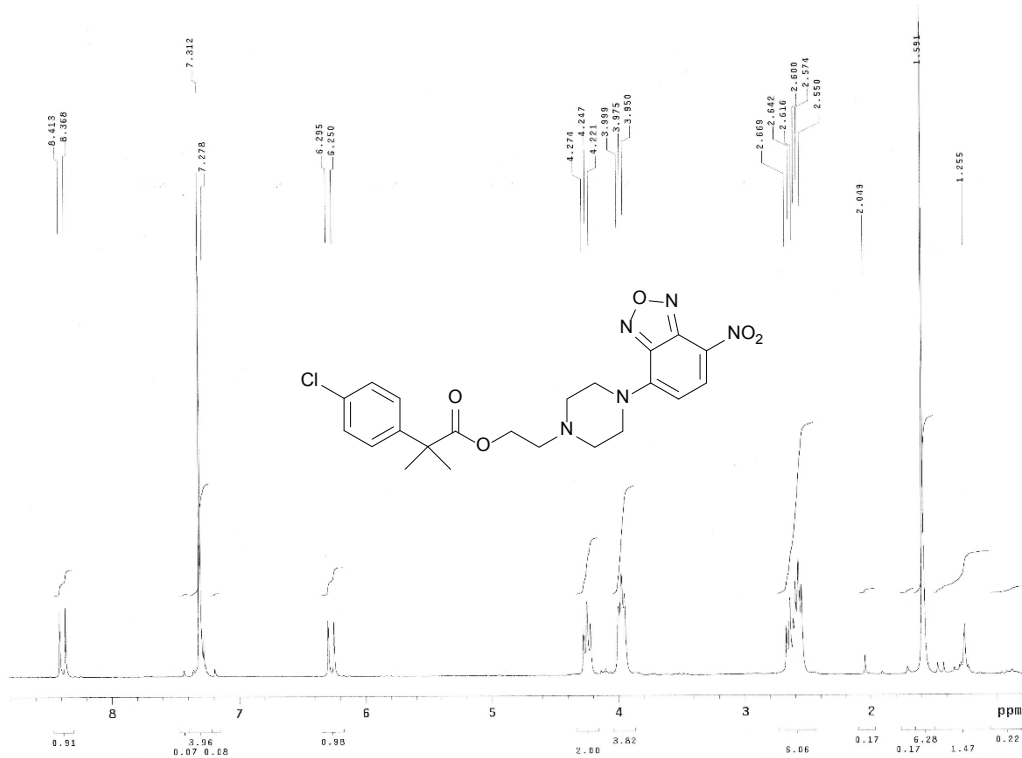




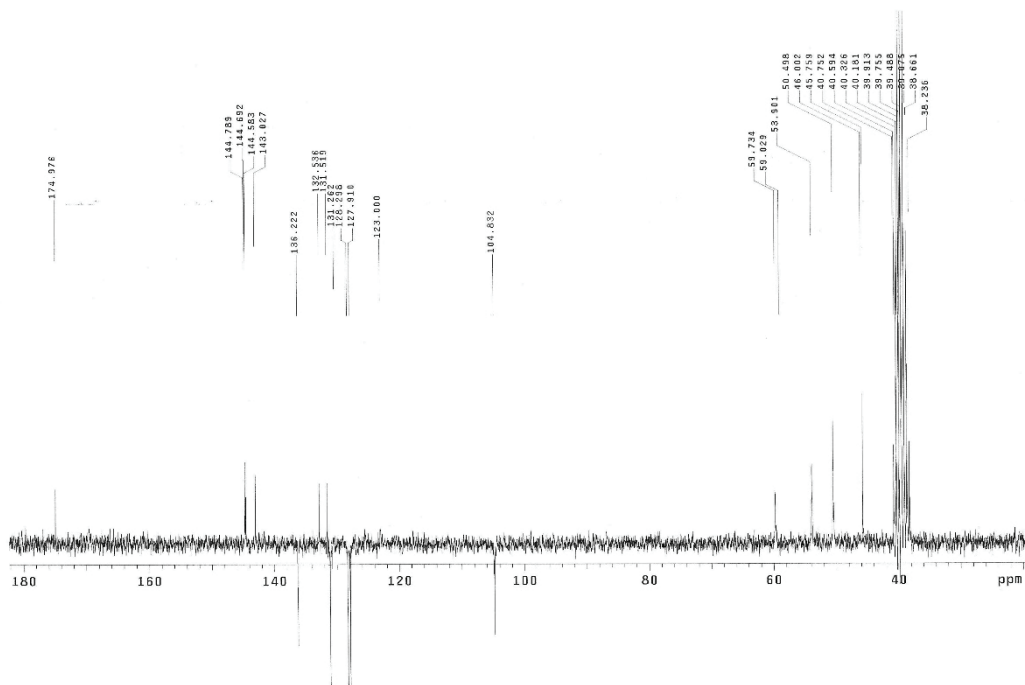
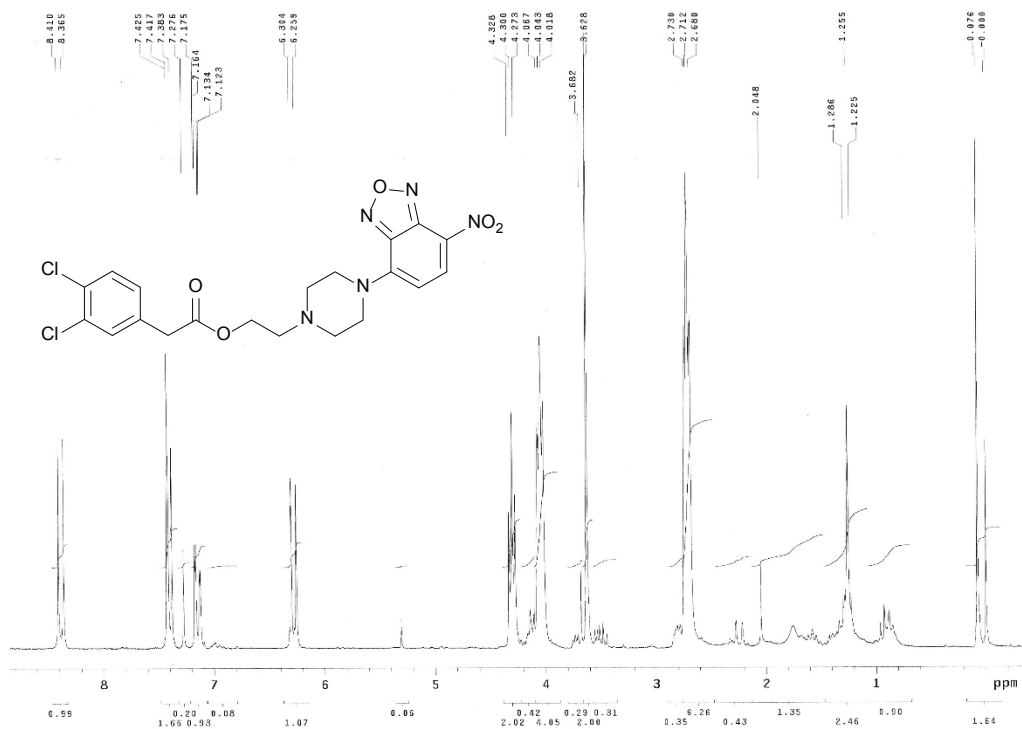
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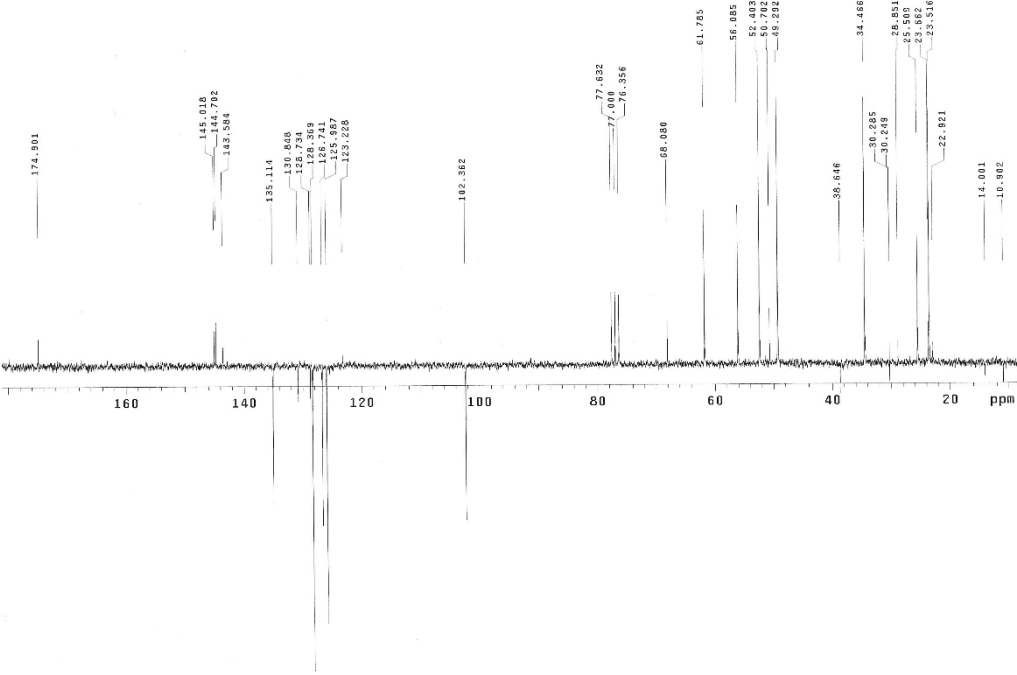
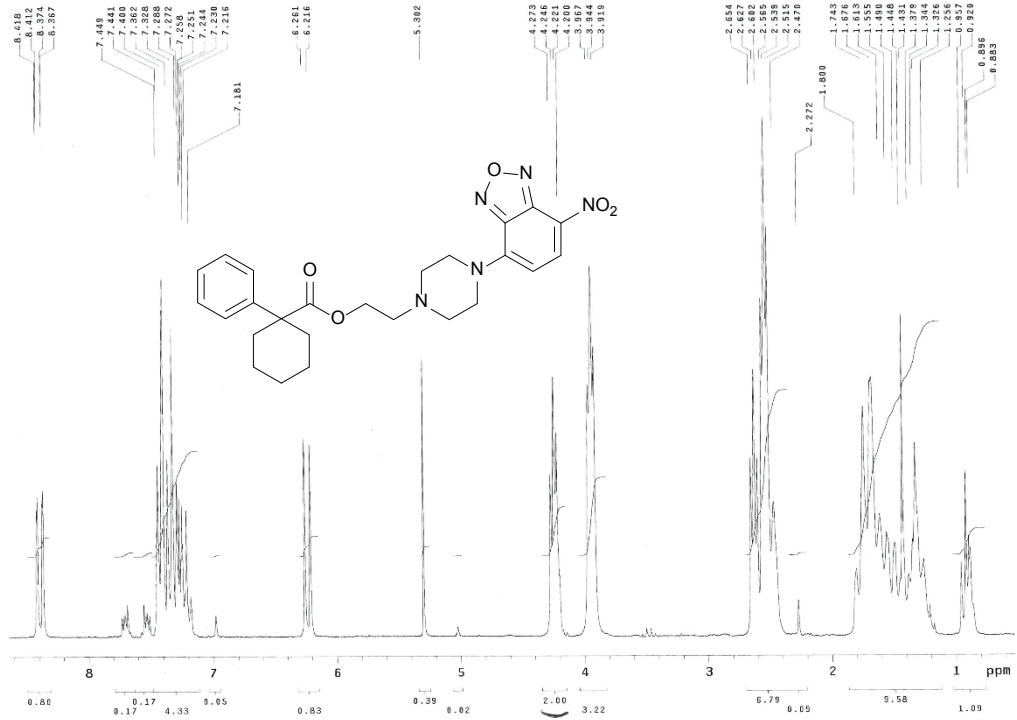
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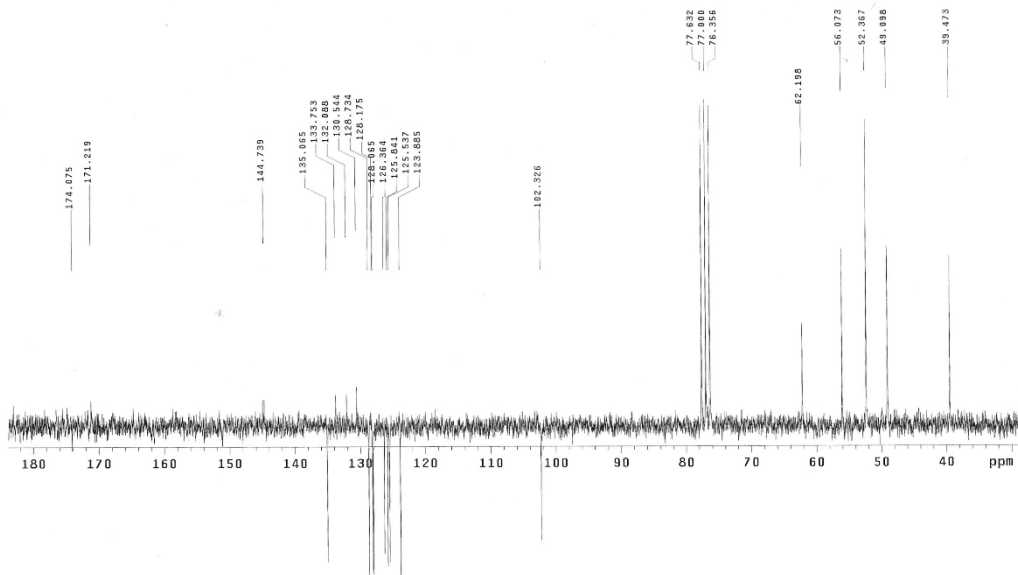
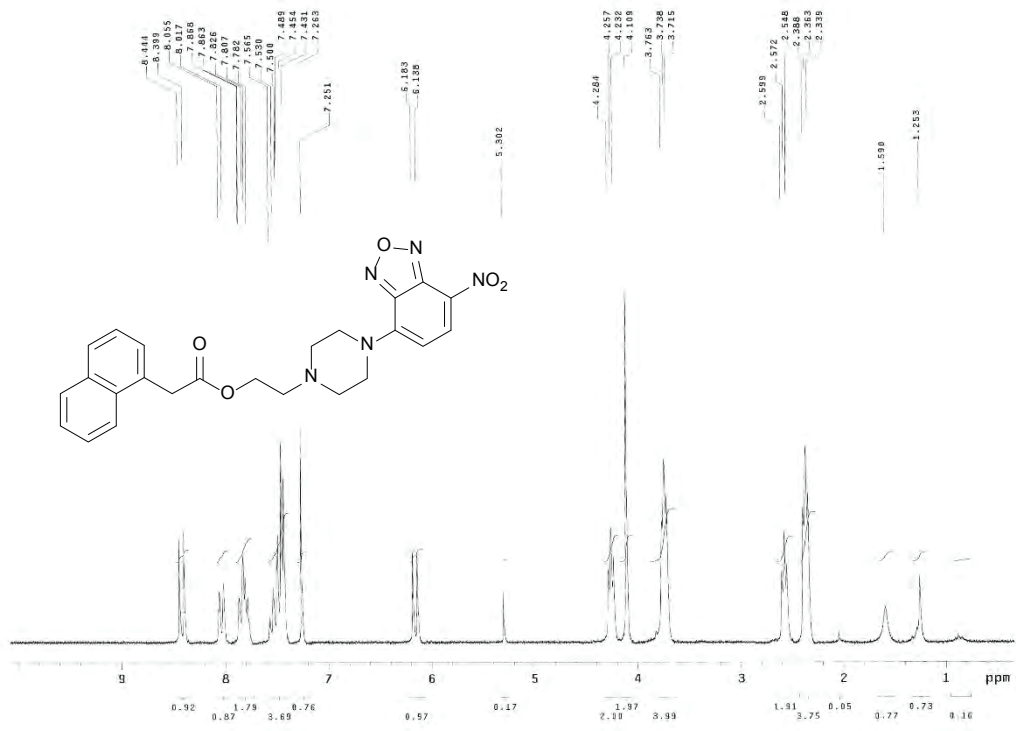
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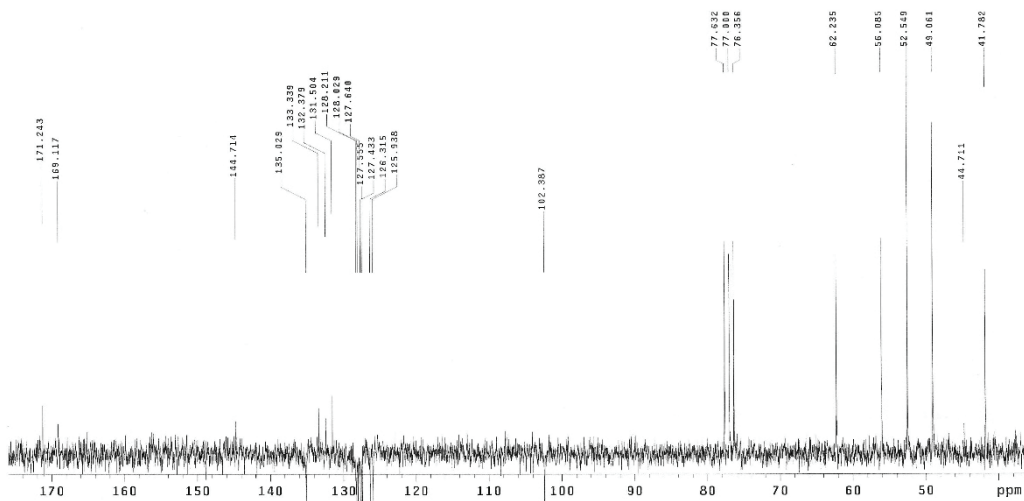
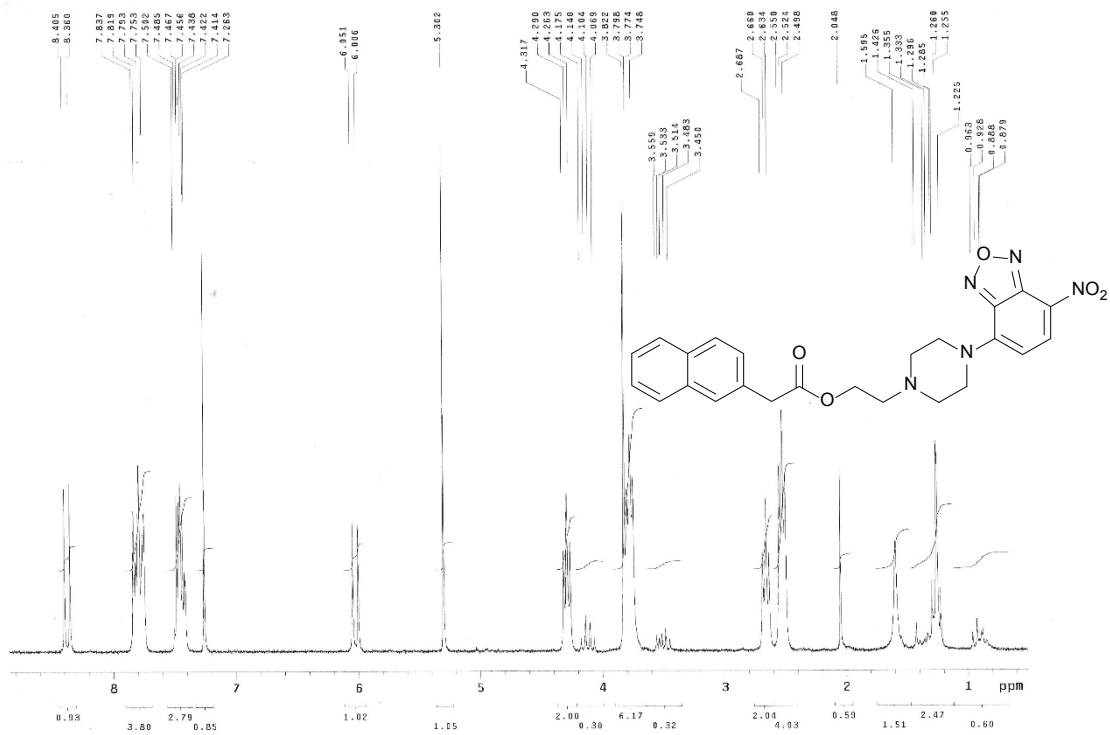
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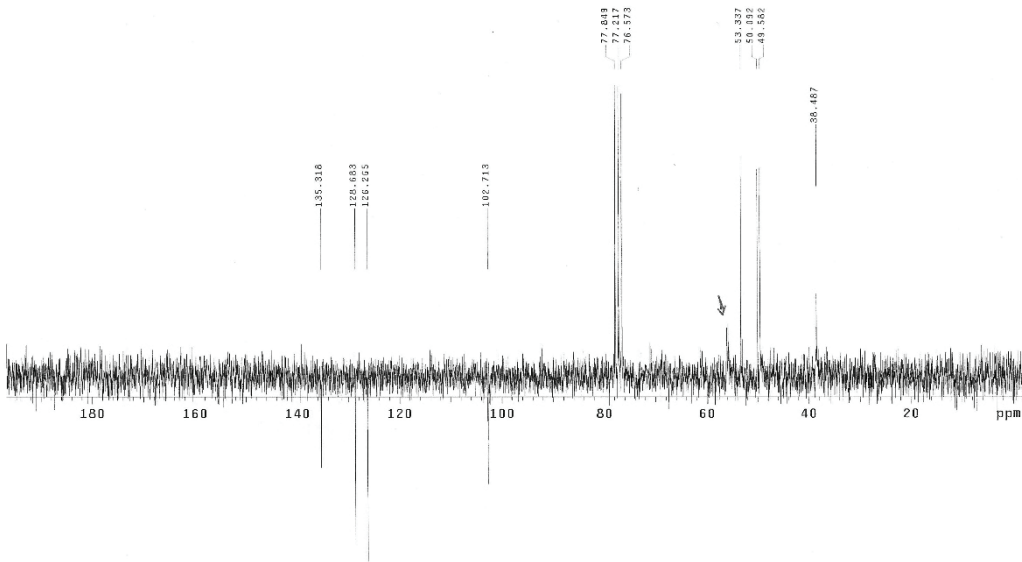
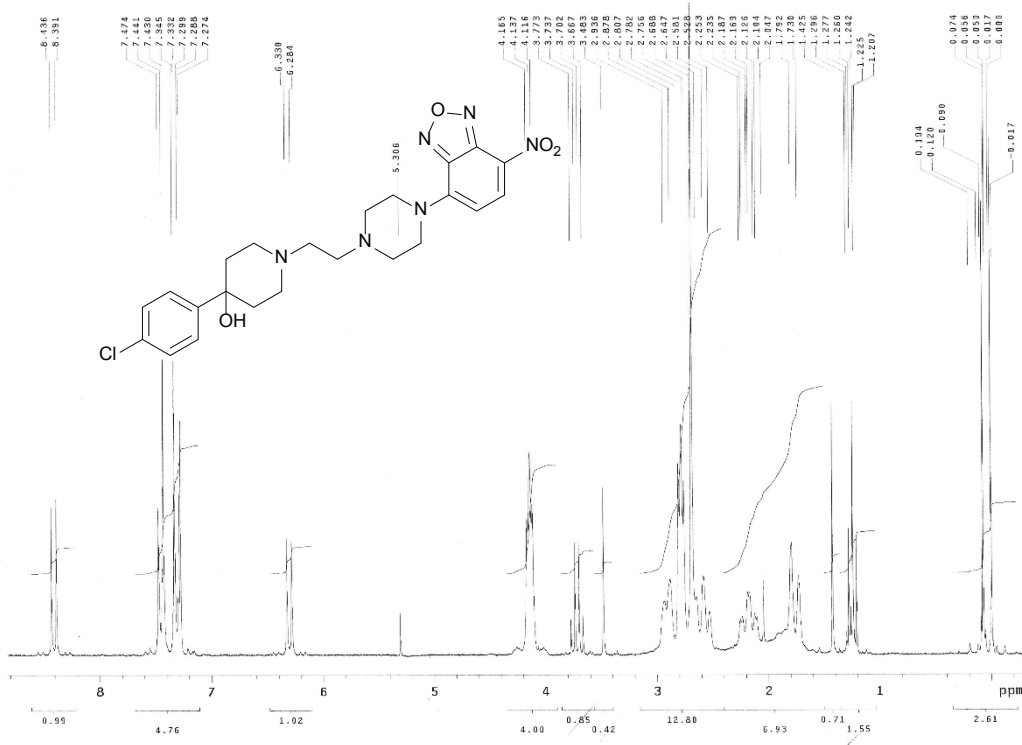
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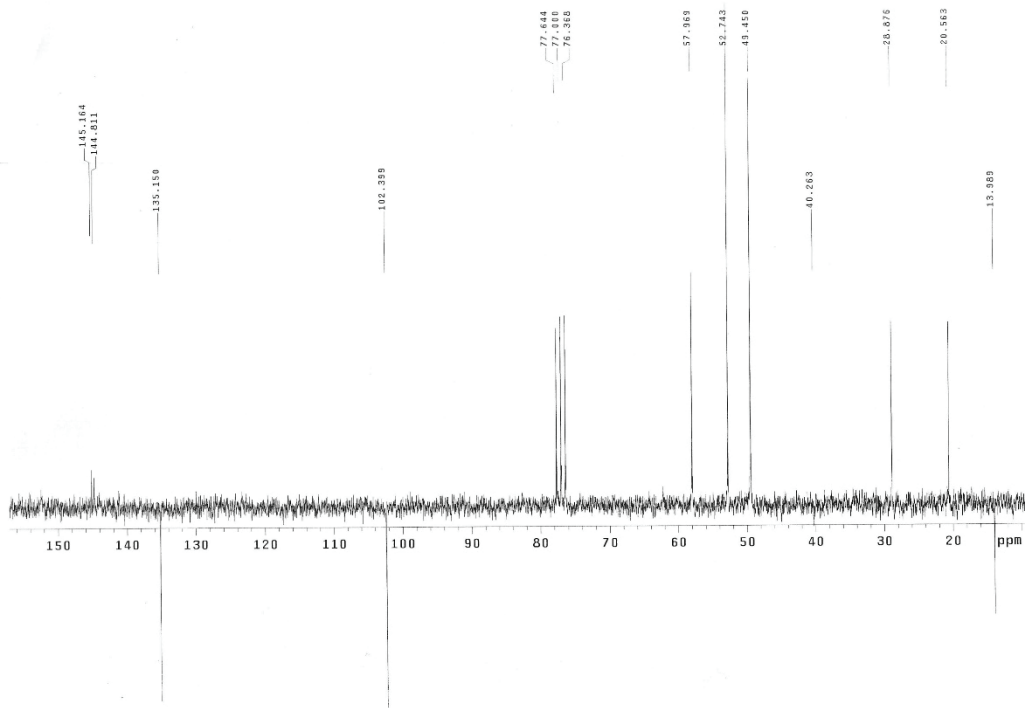
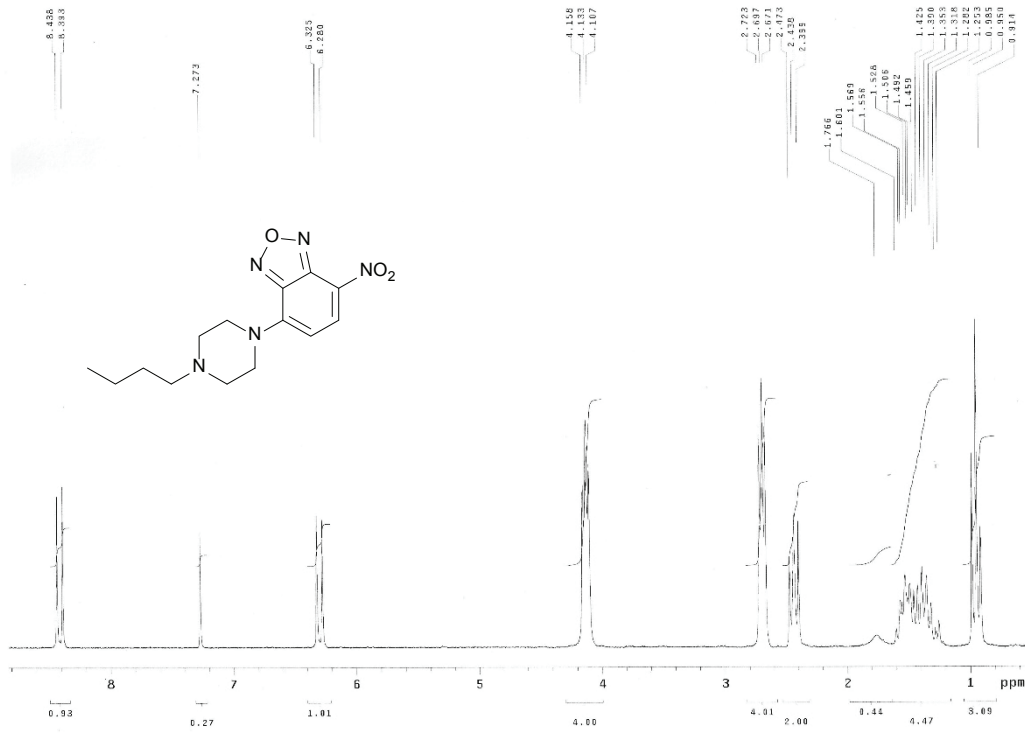
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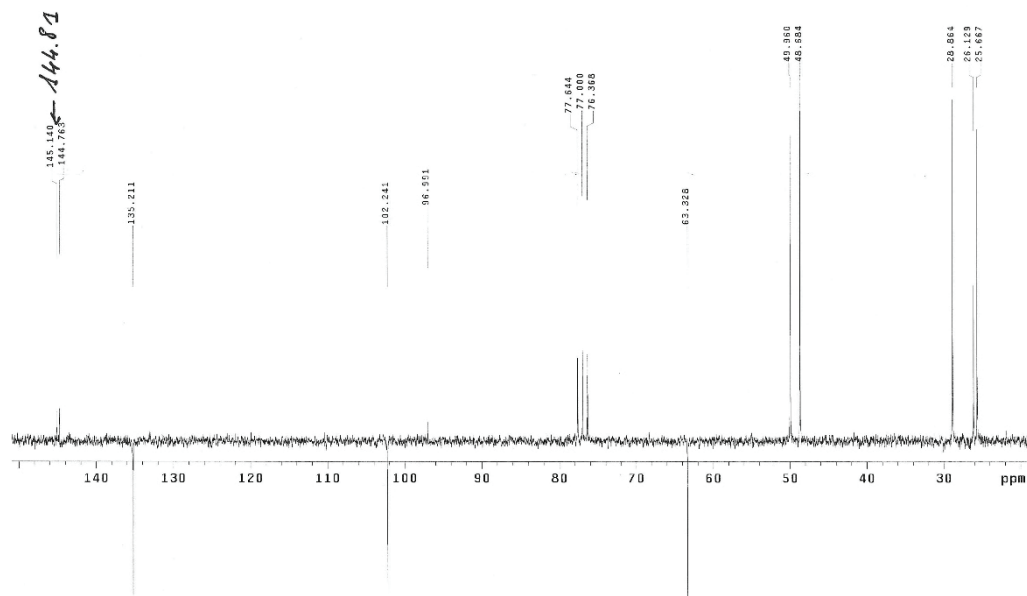
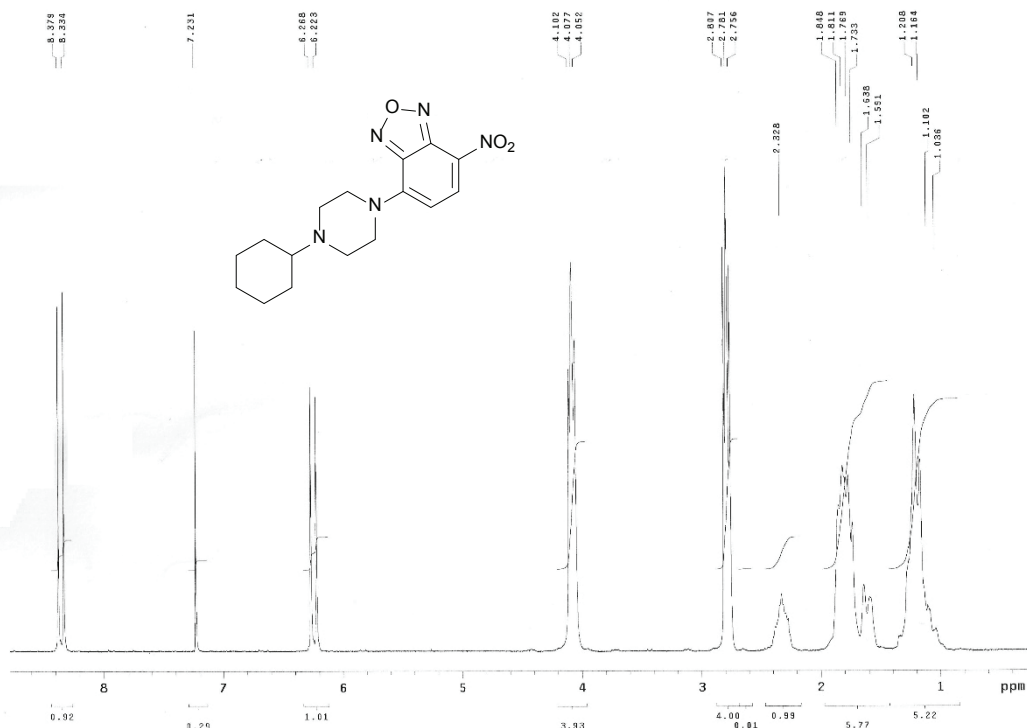
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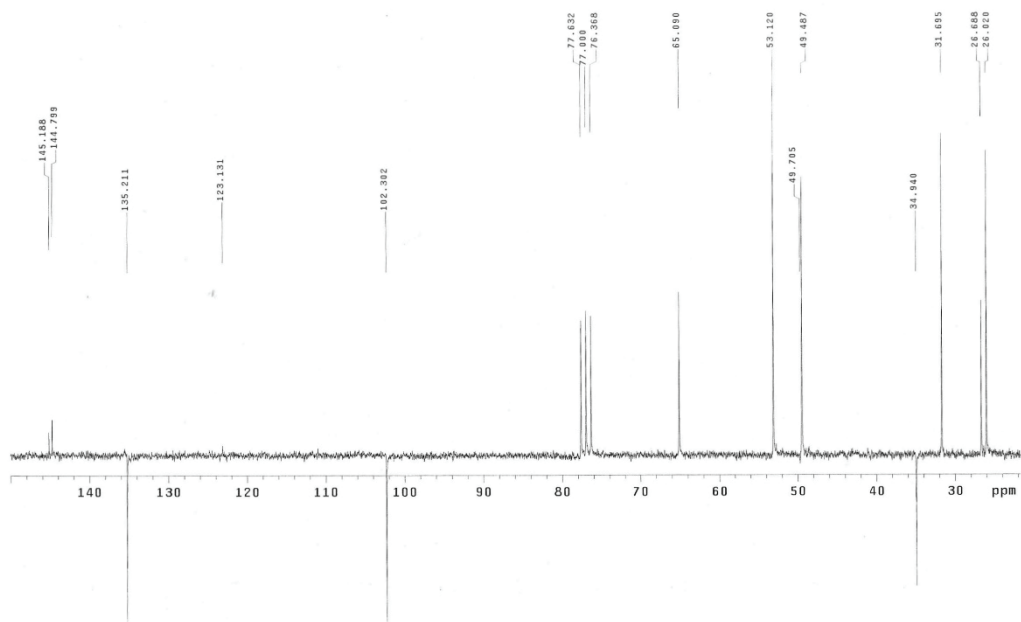
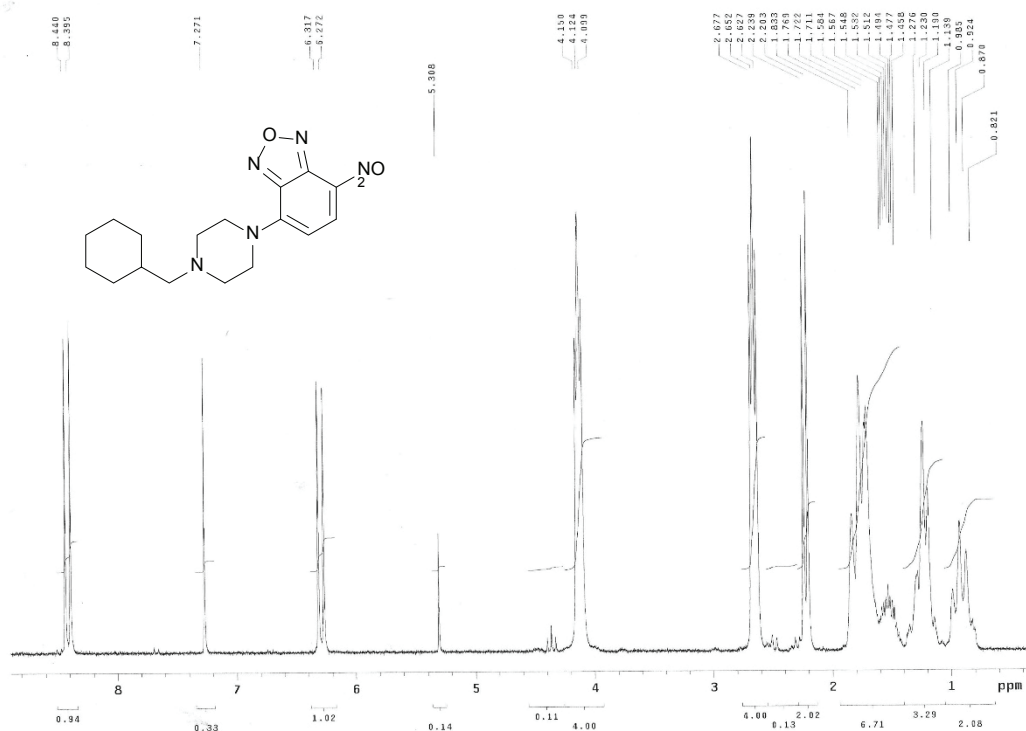
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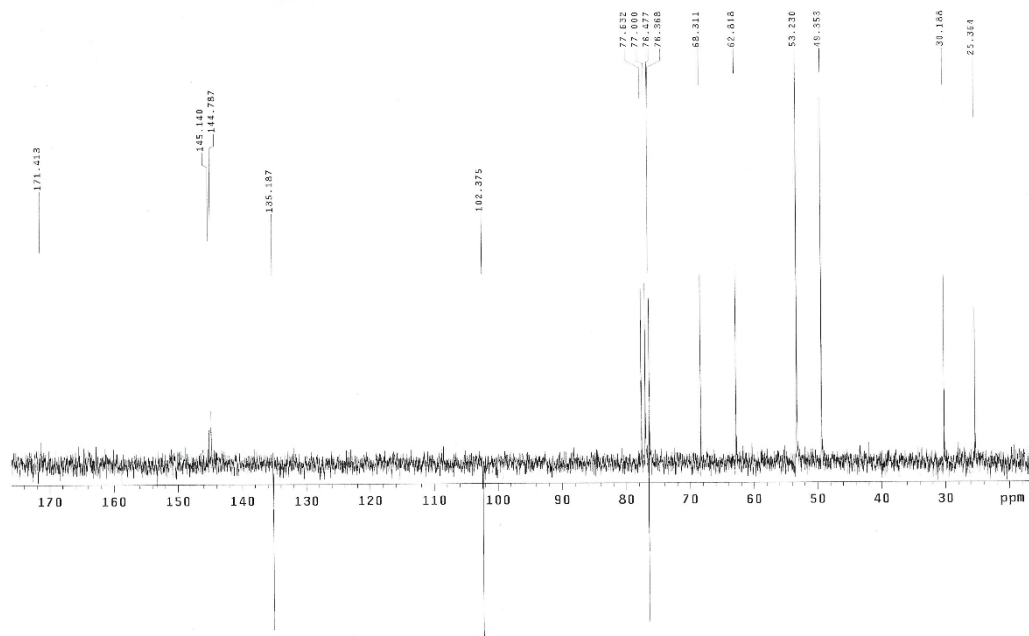
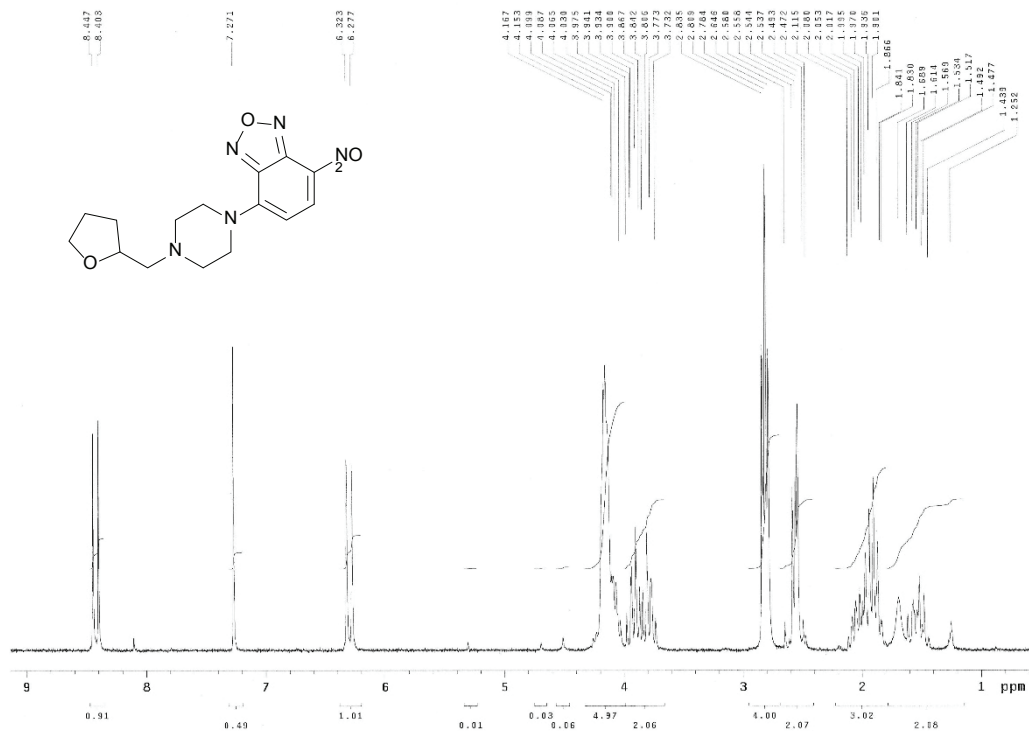
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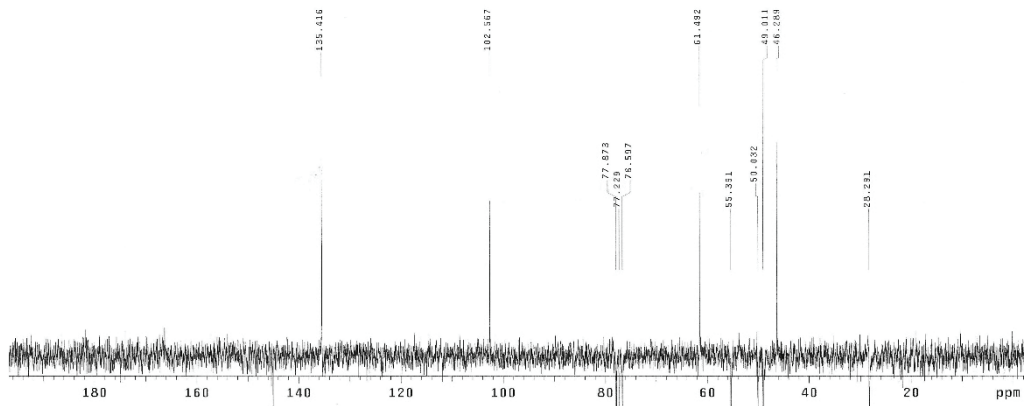
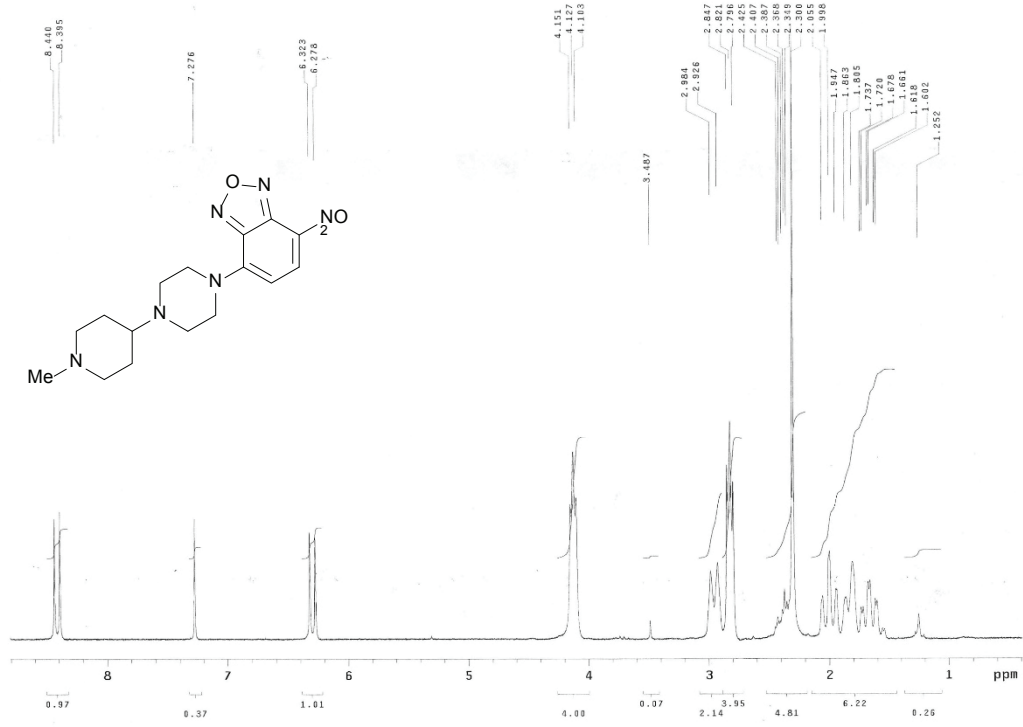
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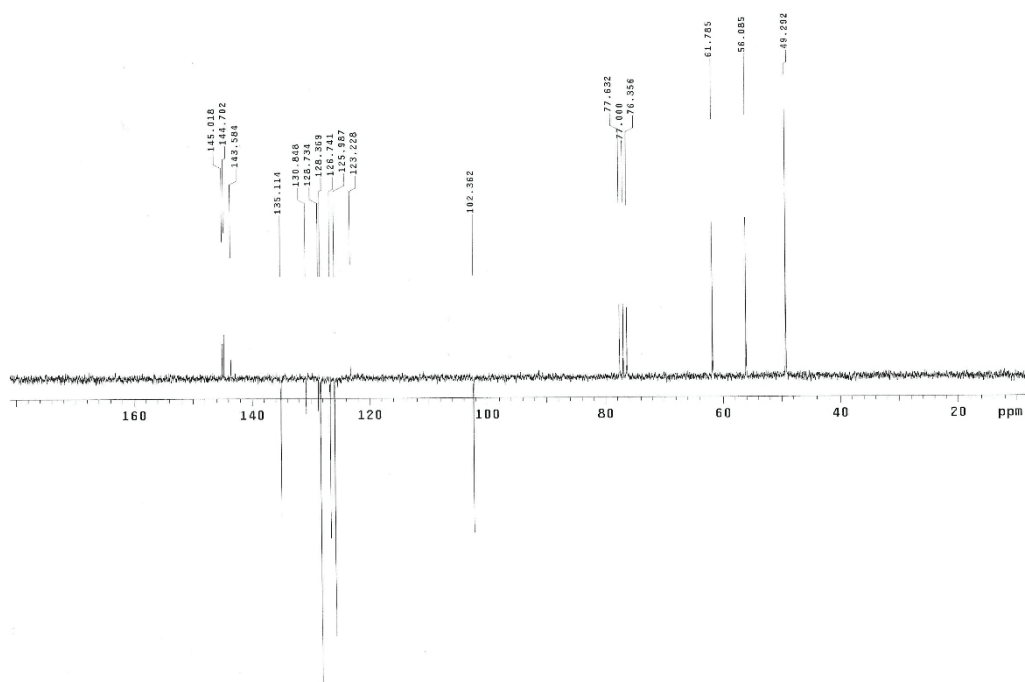
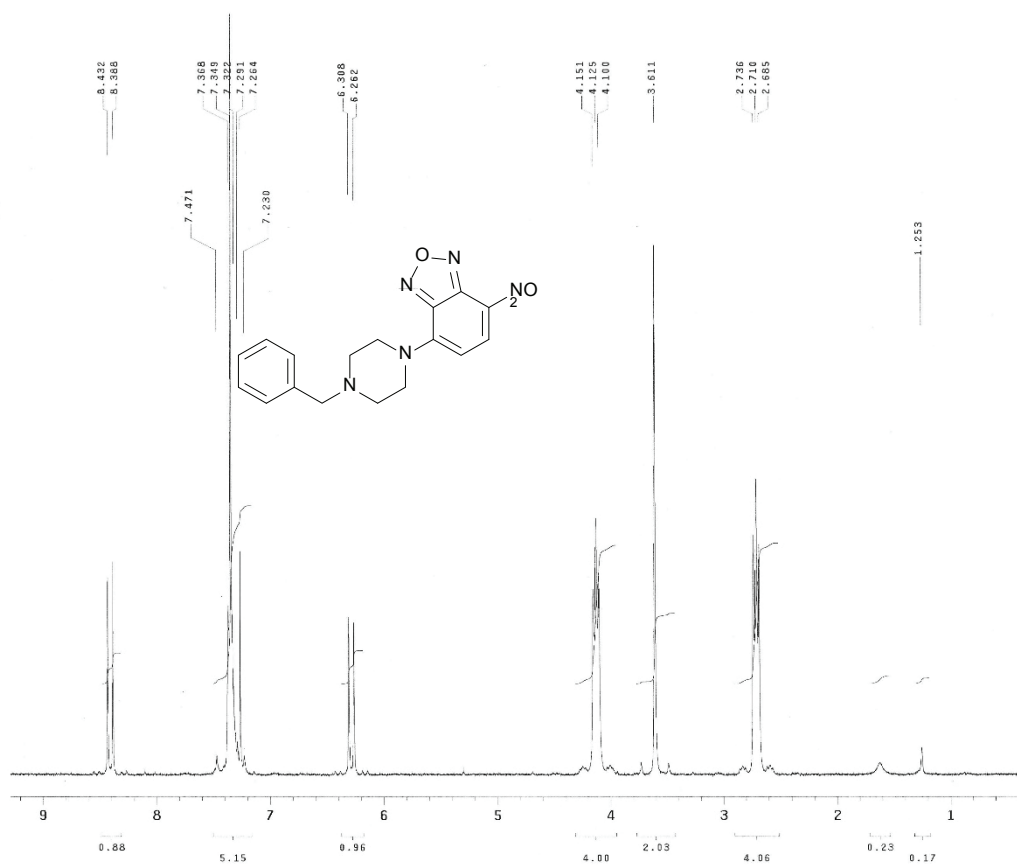
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