

Synthesis and evaluation of fluorogenic 2-amino-1,8-naphthyridine derivatives for the detection of bacteria

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Supplementary Information

Elemental analysis data and, in cases when this was not achieved, ¹H NMR spectra of synthesized compounds

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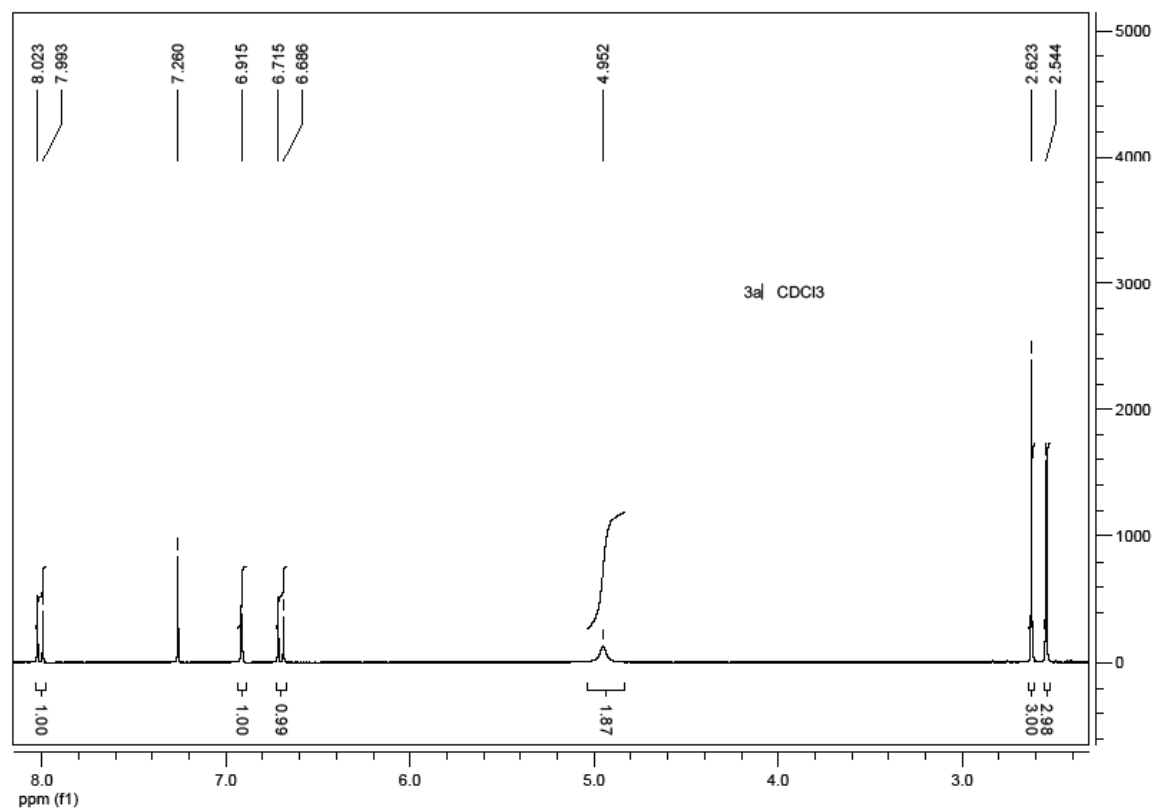
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Elemental analysis

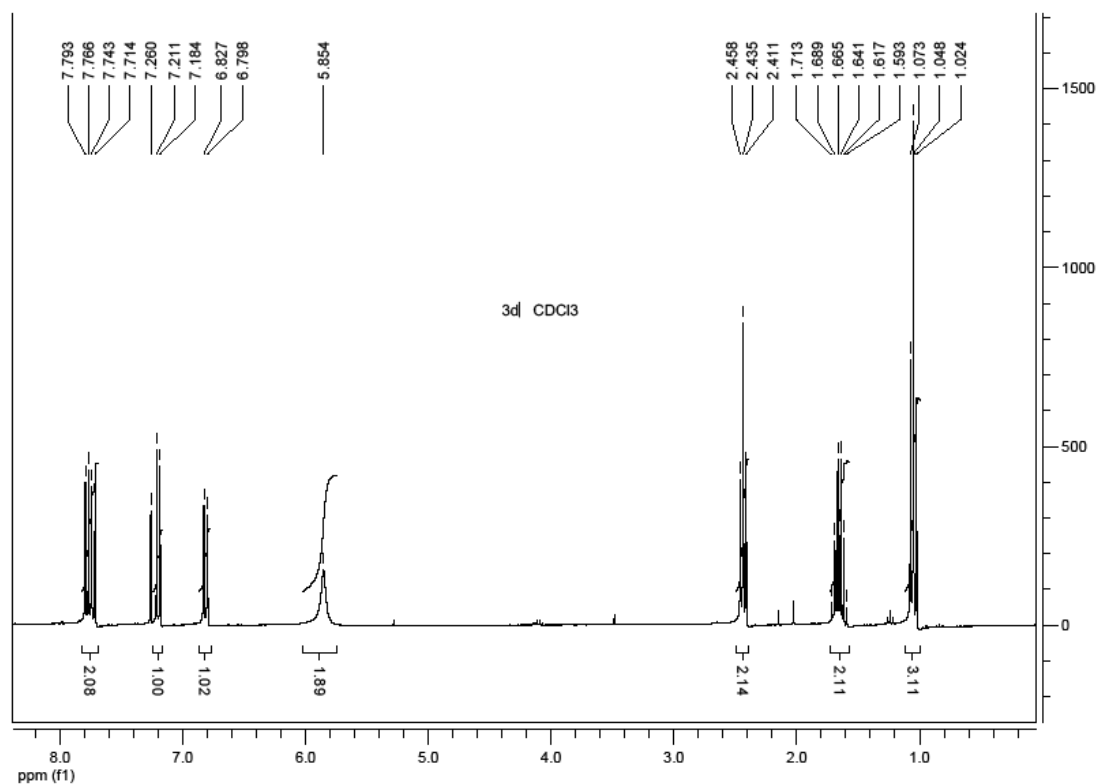
Compound		Theoretical (%)	Found (average) (%)	Compound		Theoretical (%)	Found (average) (%)
3b	C	71.61	71.44	21a	C	62.77	62.76
	H	7.51	7.45		H	7.02	7.07
	N	20.88	20.70		N	16.27	16.06
3c	C	42.72	42.47	21d	C	65.95	65.81
	H	1.79	1.88		H	6.85	6.80
	N	14.95	14.93		N	14.65	14.57
12	C	54.19	54.66	6a	C	50.28	49.97
	H	3.64	3.74		H	4.78	4.69
	N	18.96	18.99		N	15.64	15.52
13a	C	71.13	70.91	6d	C	50.39	50.23
	H	5.97	6.03		H	4.23	4.40
	N	16.59	16.61		N	12.37	12.71
14a	C	70.01	69.65	6f	C	53.99	53.88
	H	7.44	7.40		H	5.79	5.87
	N	16.33	16.25		N	13.99	13.88
14b	C	72.21	72.36	6g	C	57.00	56.65
	H	8.42	8.03		H	6.61	6.66
	N	14.03	13.97		N	12.66	12.55
3e	C	75.85	75.81				
	H	7.56	7.59				
	N	16.59	16.70				

¹H NMR scans

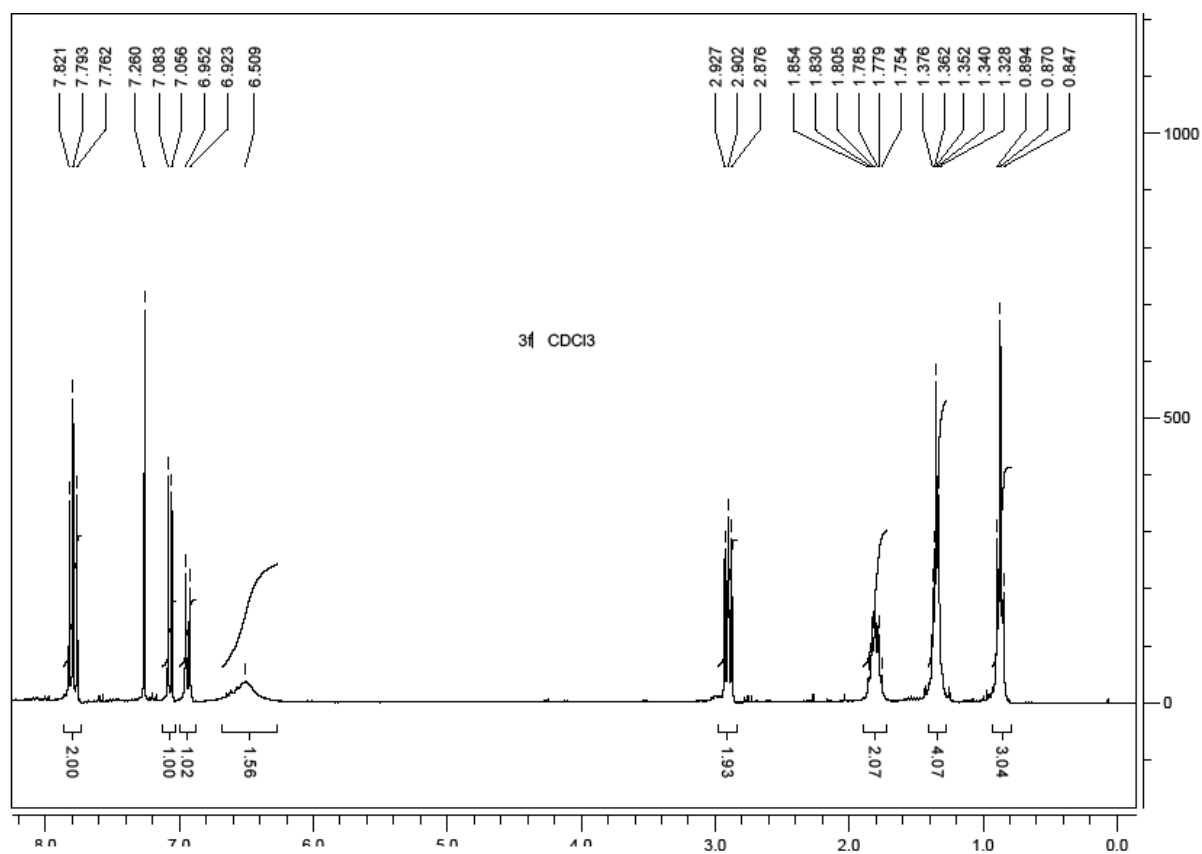
Compound 3a



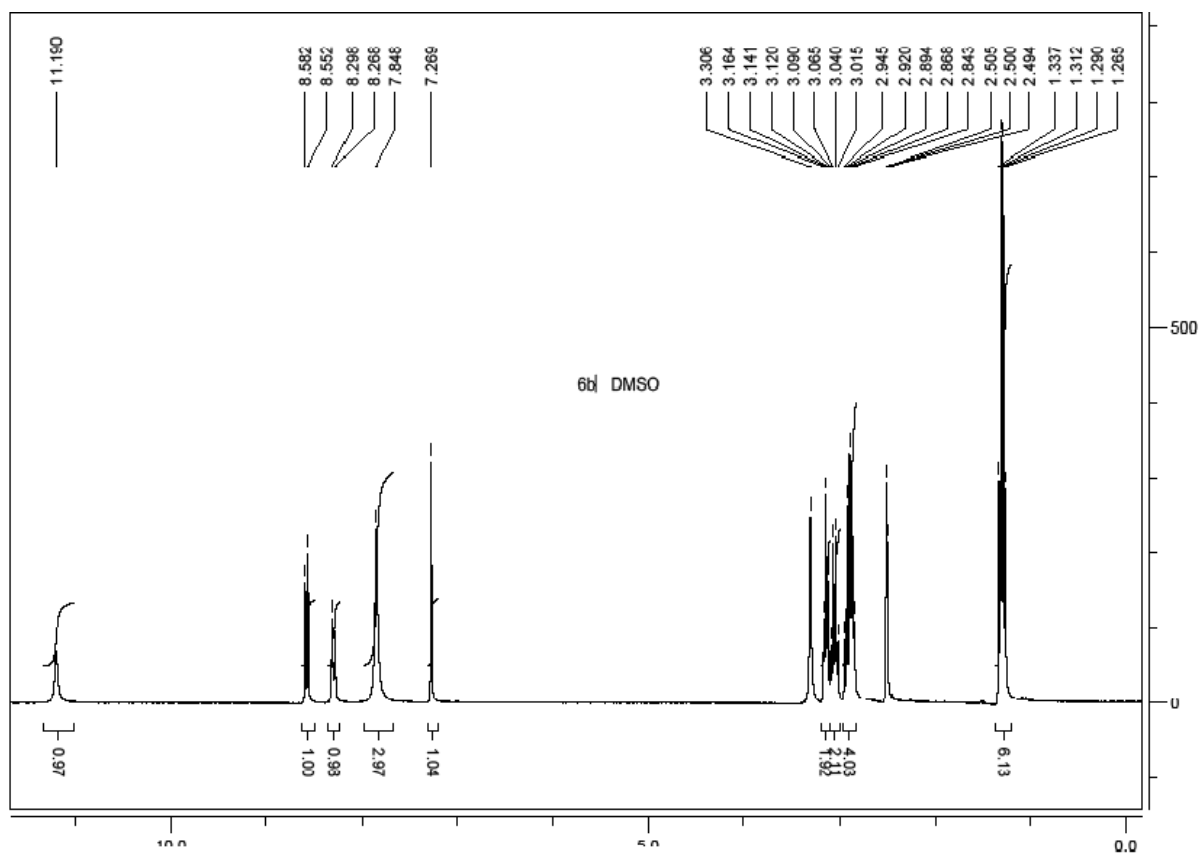
Compound 3d



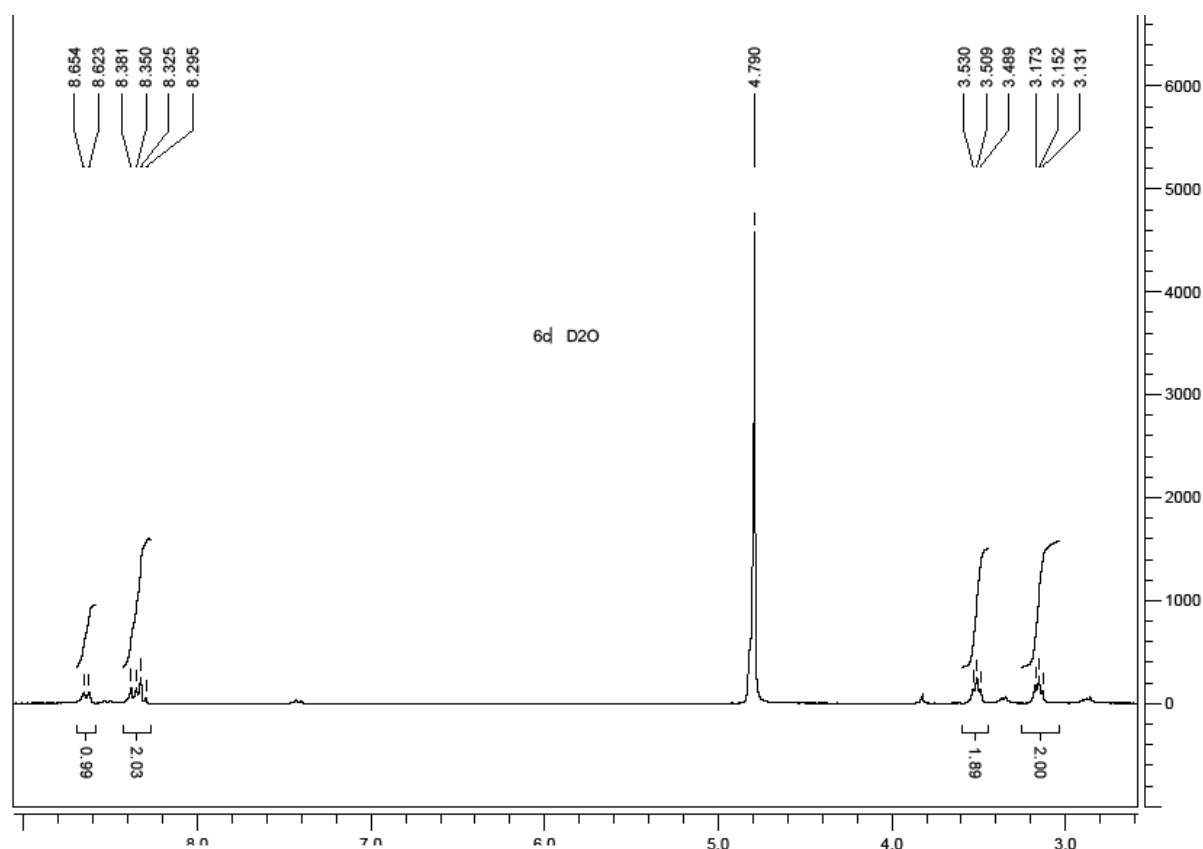
Compound 3f



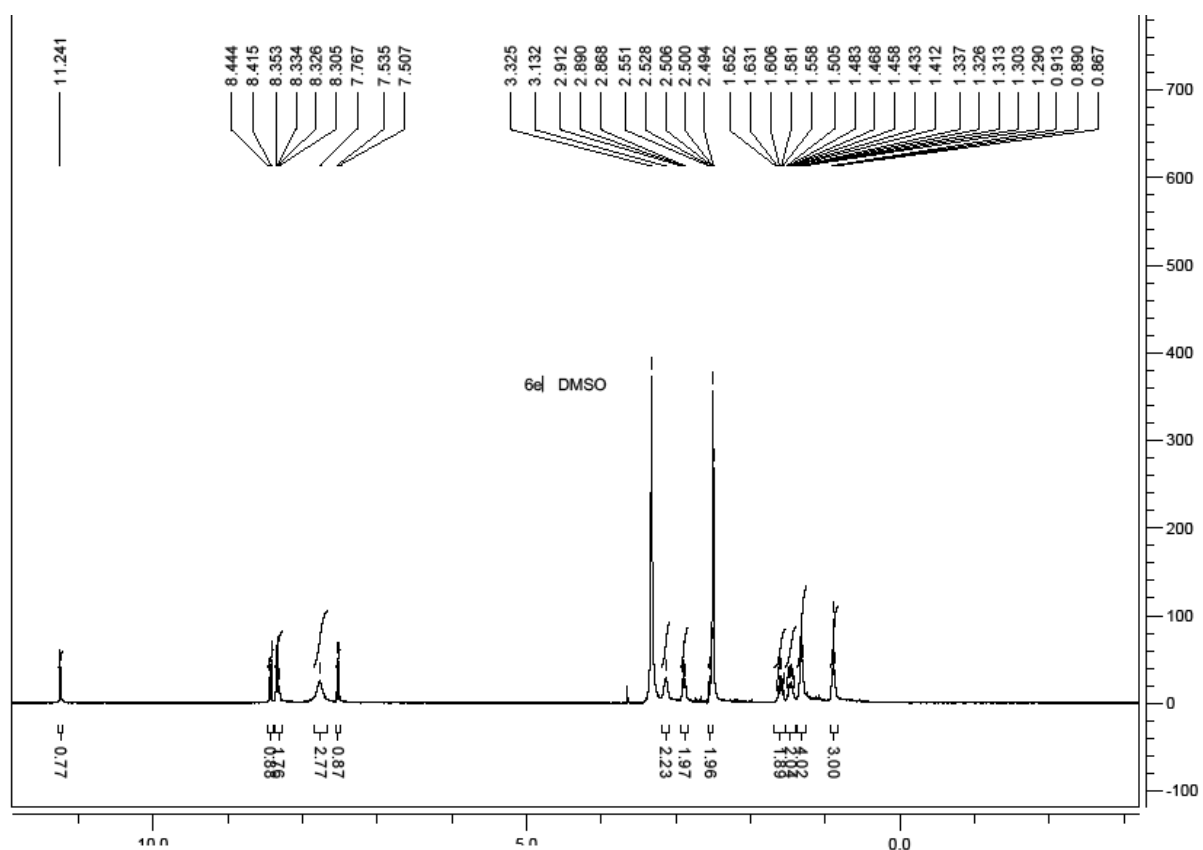
Compound 6b



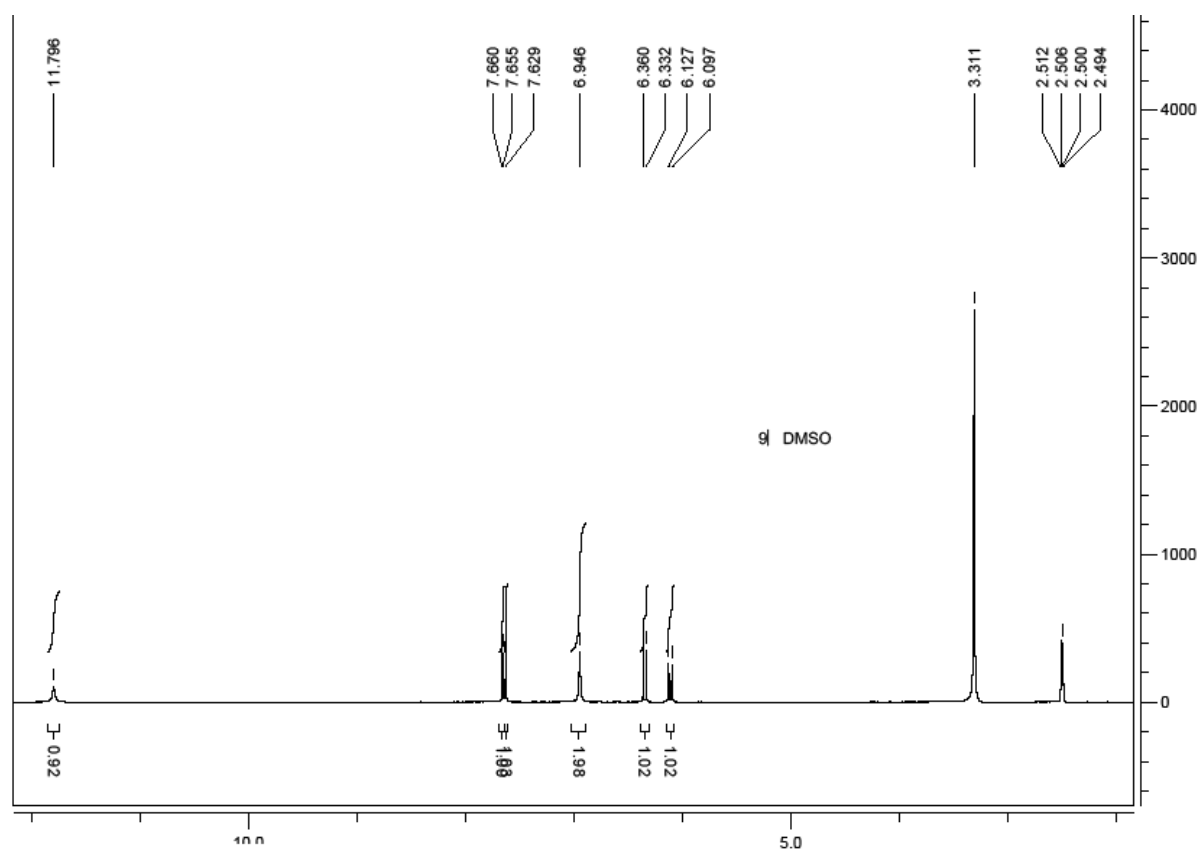
Compound 6c



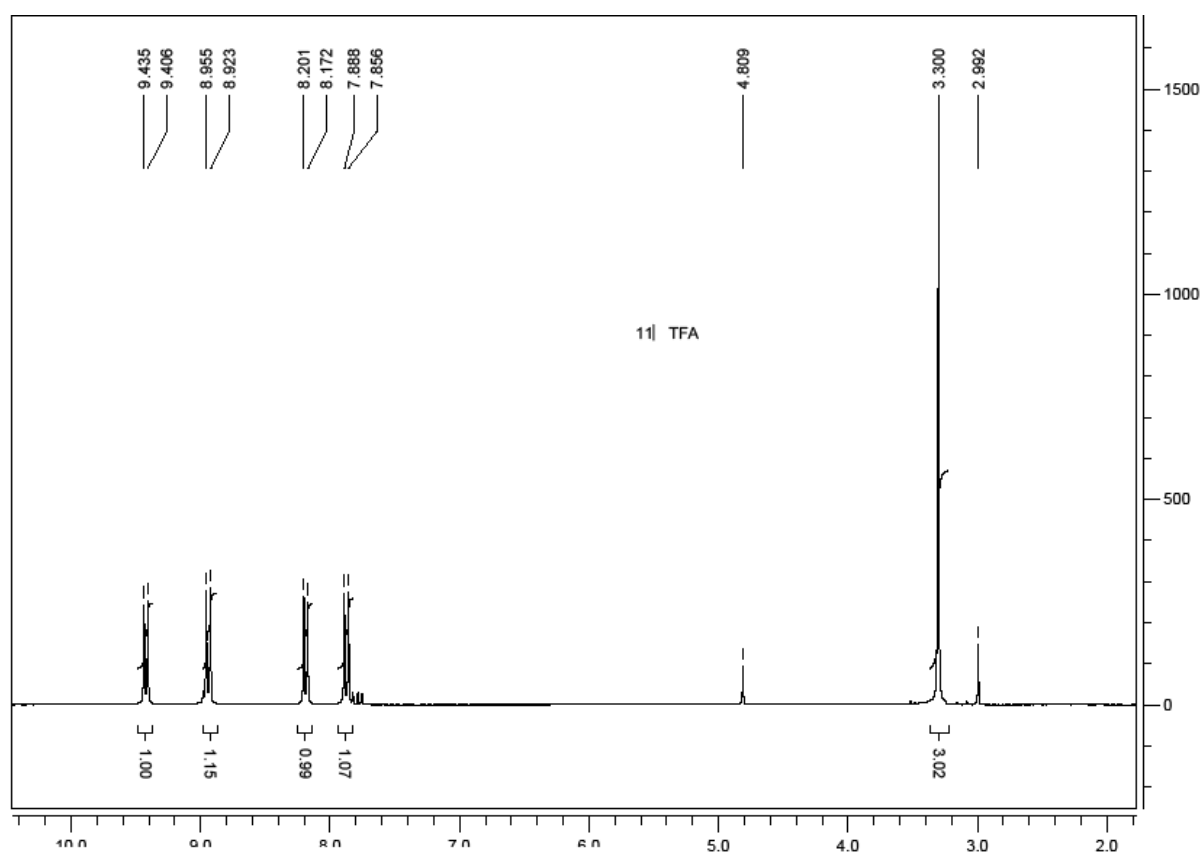
Compound 6e



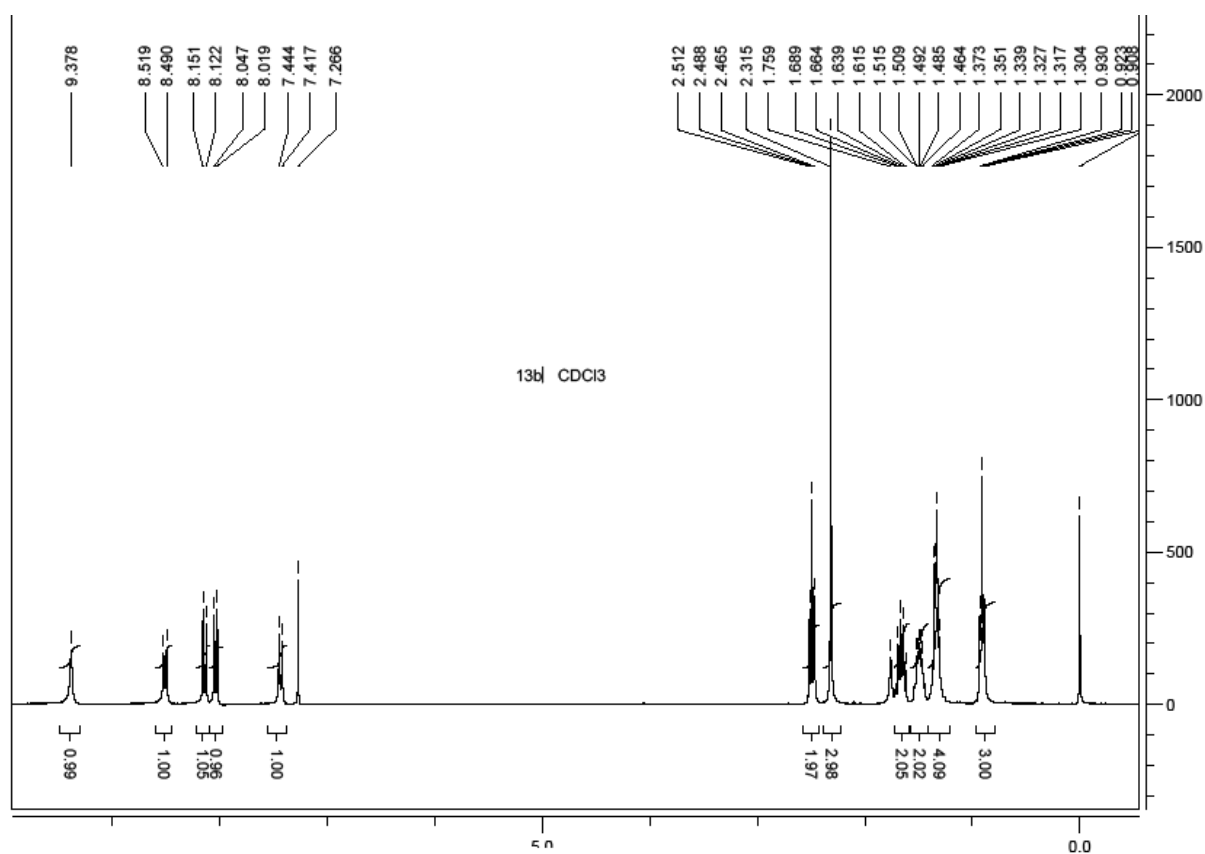
Compound 9



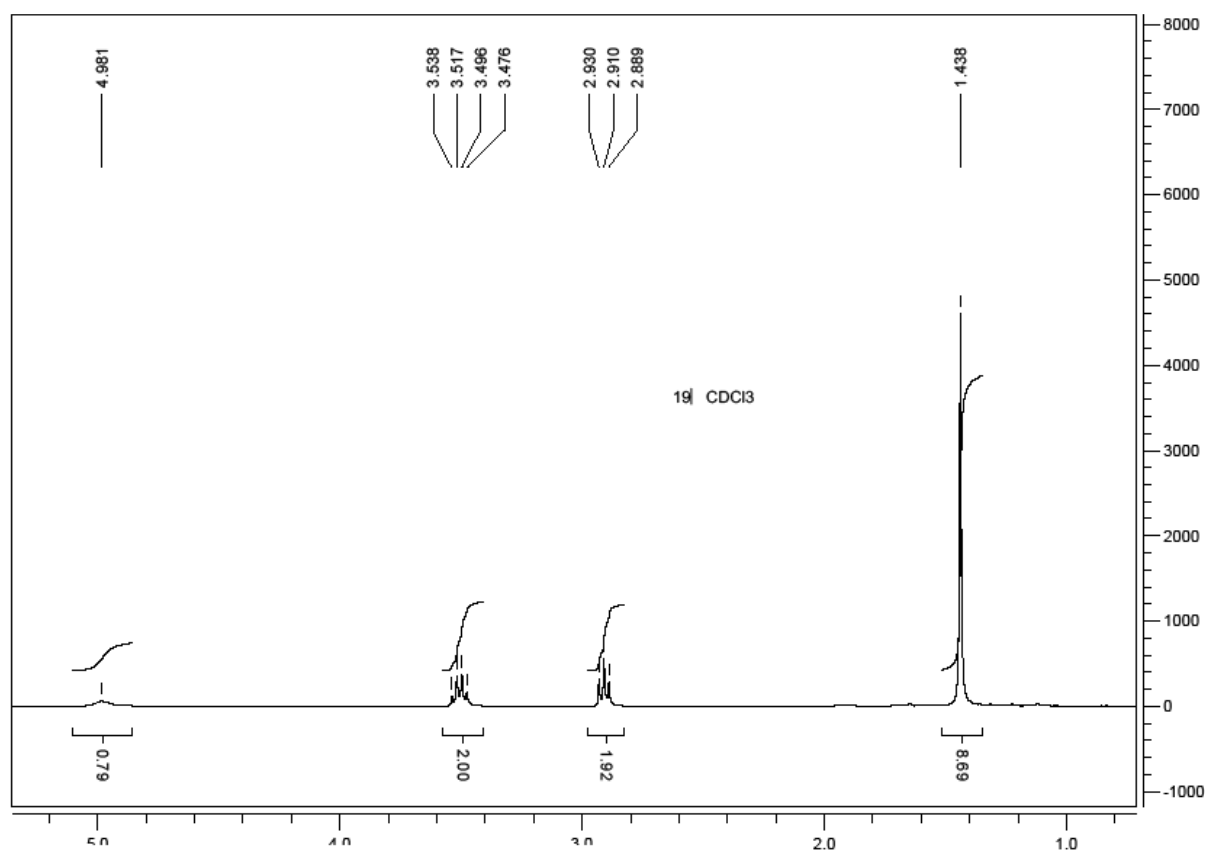
Compound 11



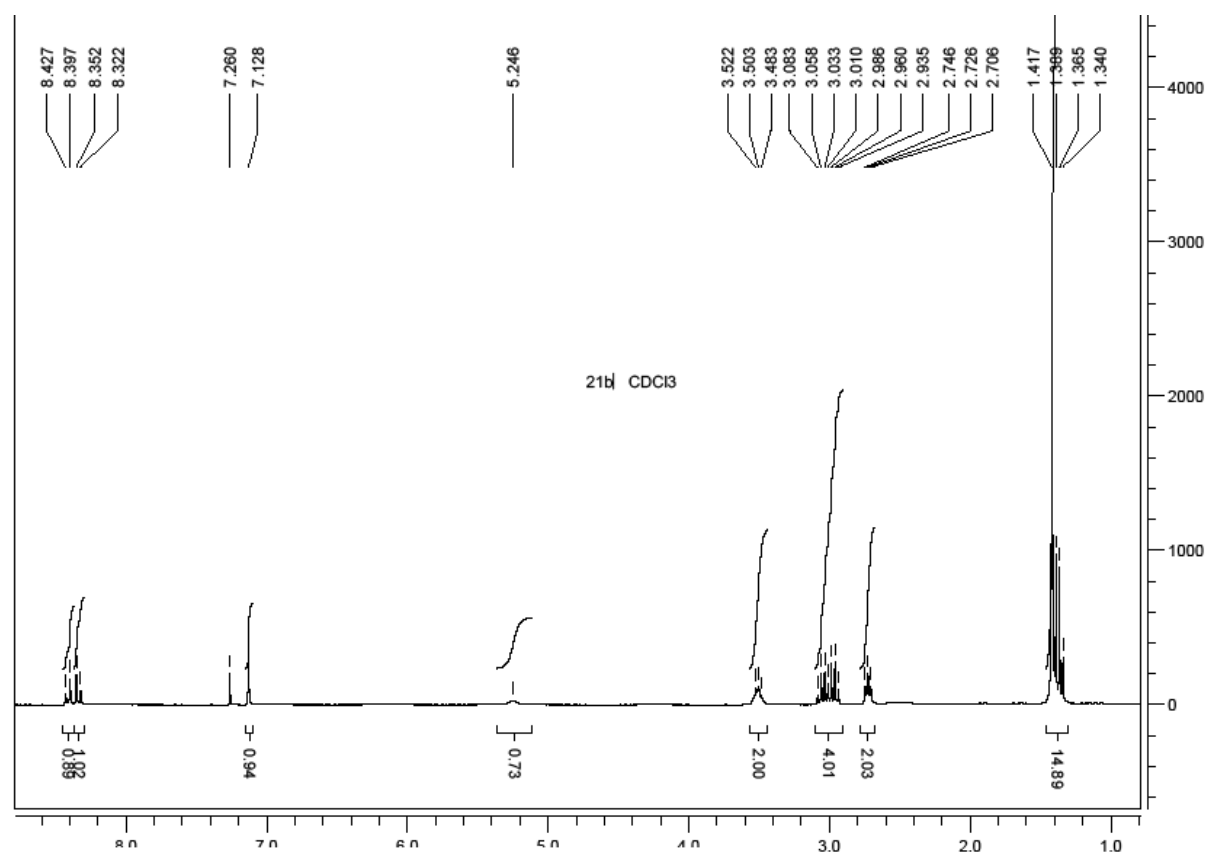
Compound 13b



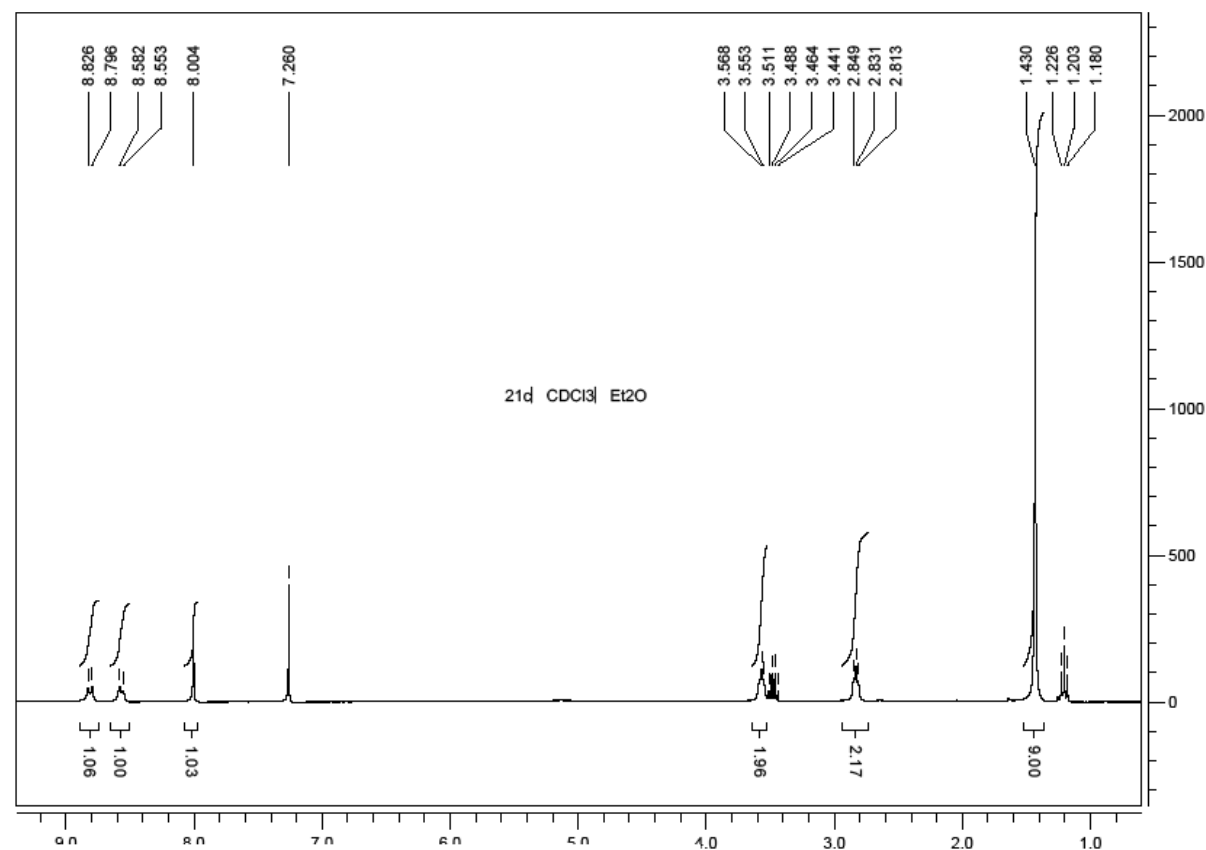
Compound 19



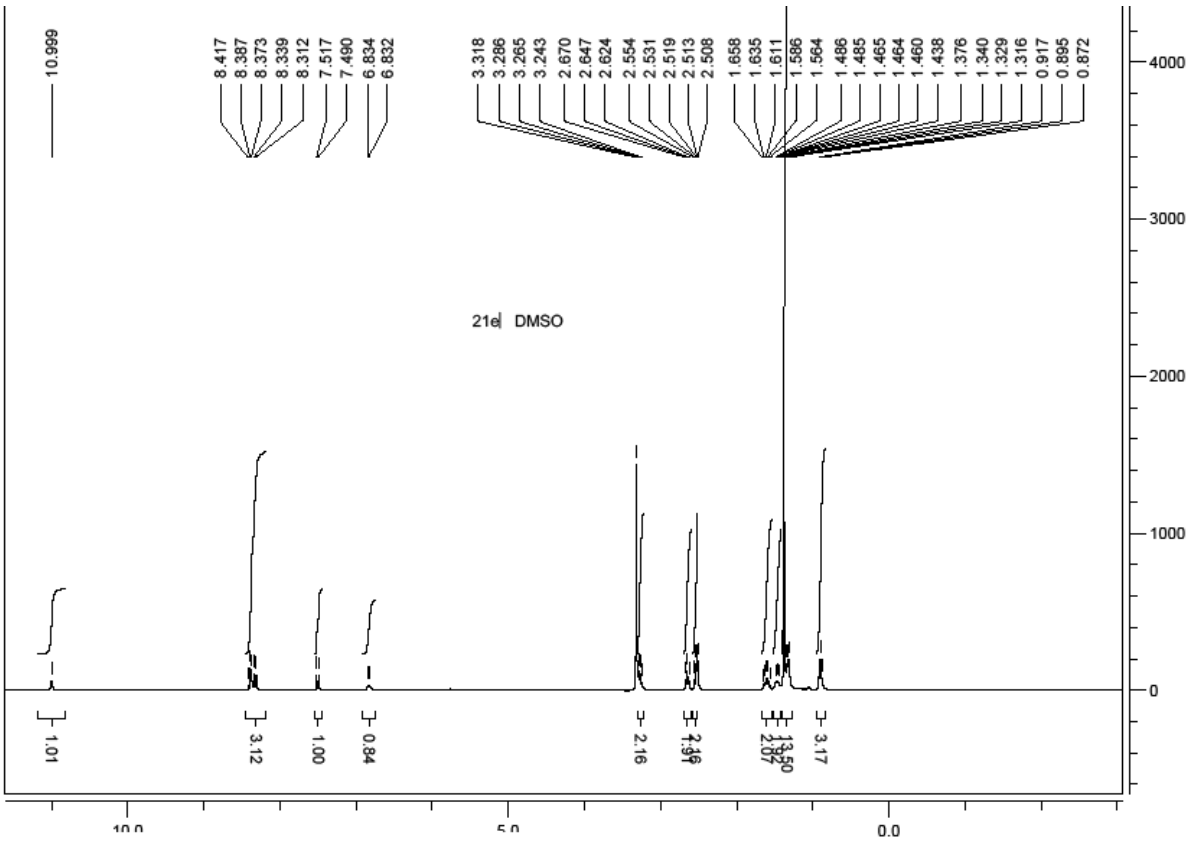
Compound 21b



Compound 21c



Compound 21e



Compound 21f

