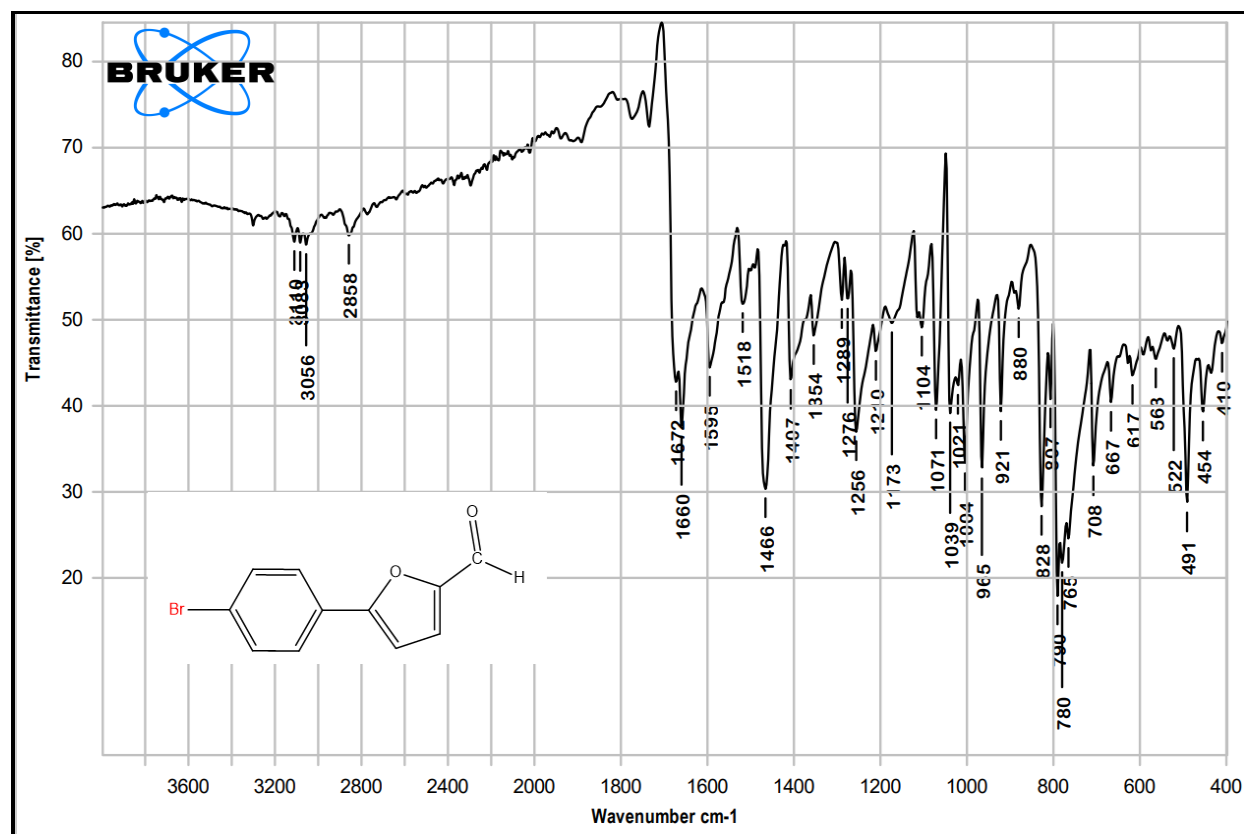
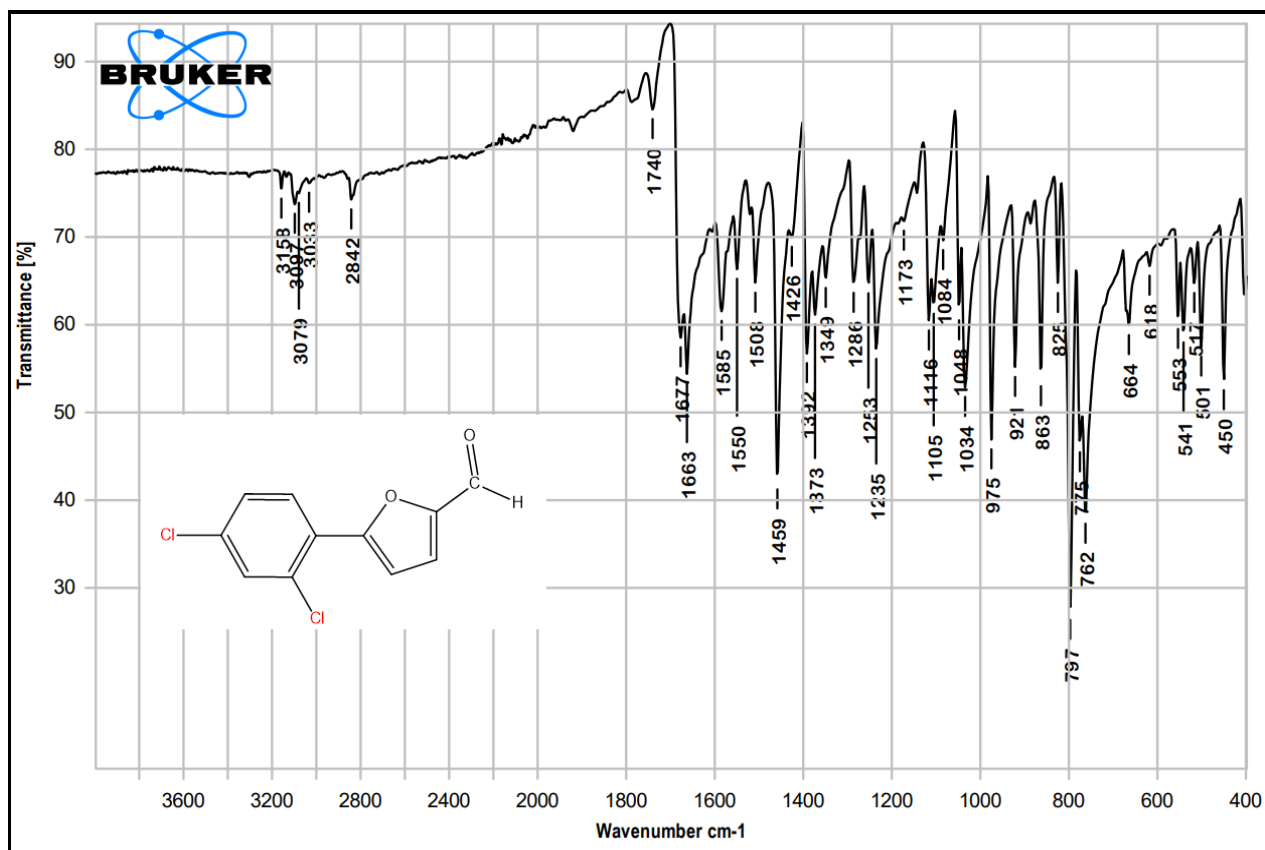


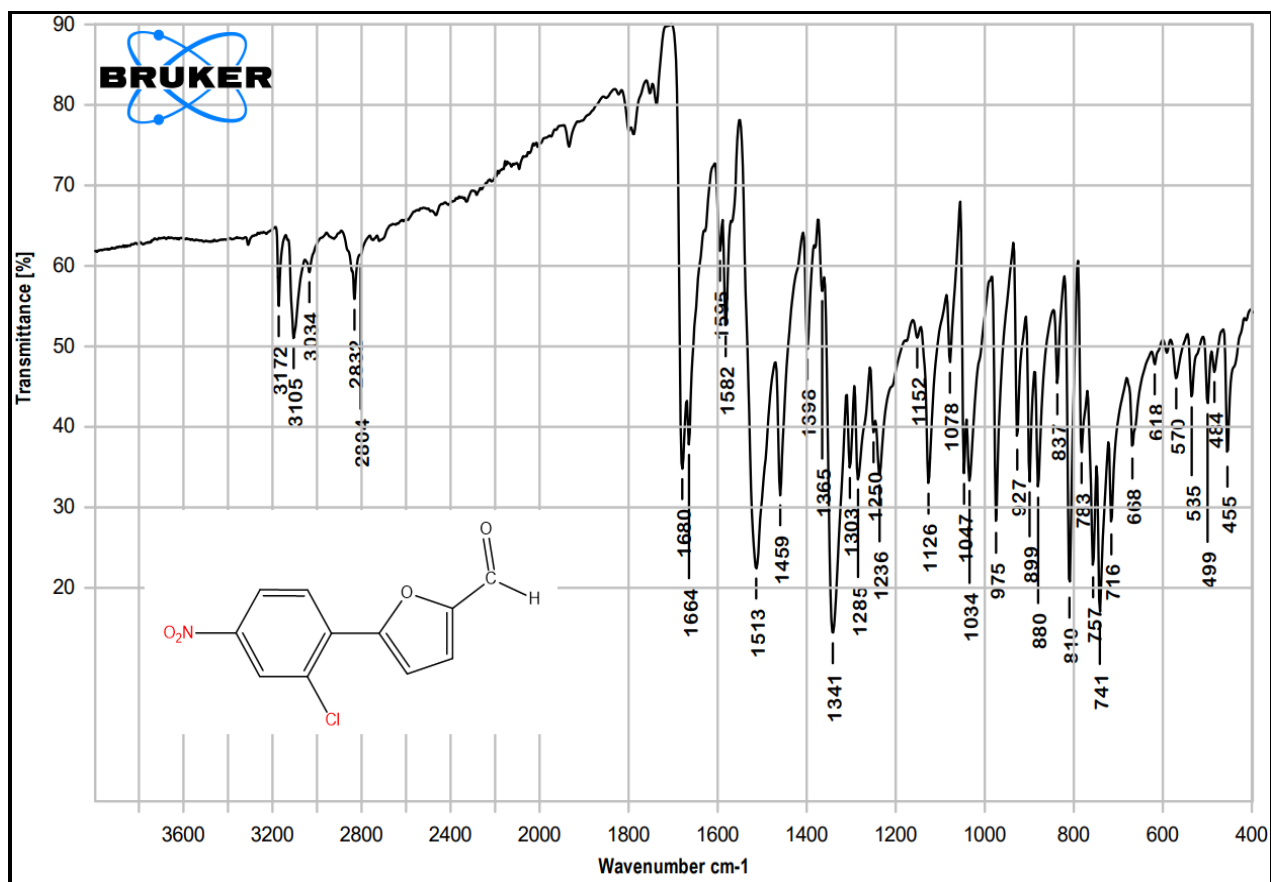
FTIR spectrum of compound 1a



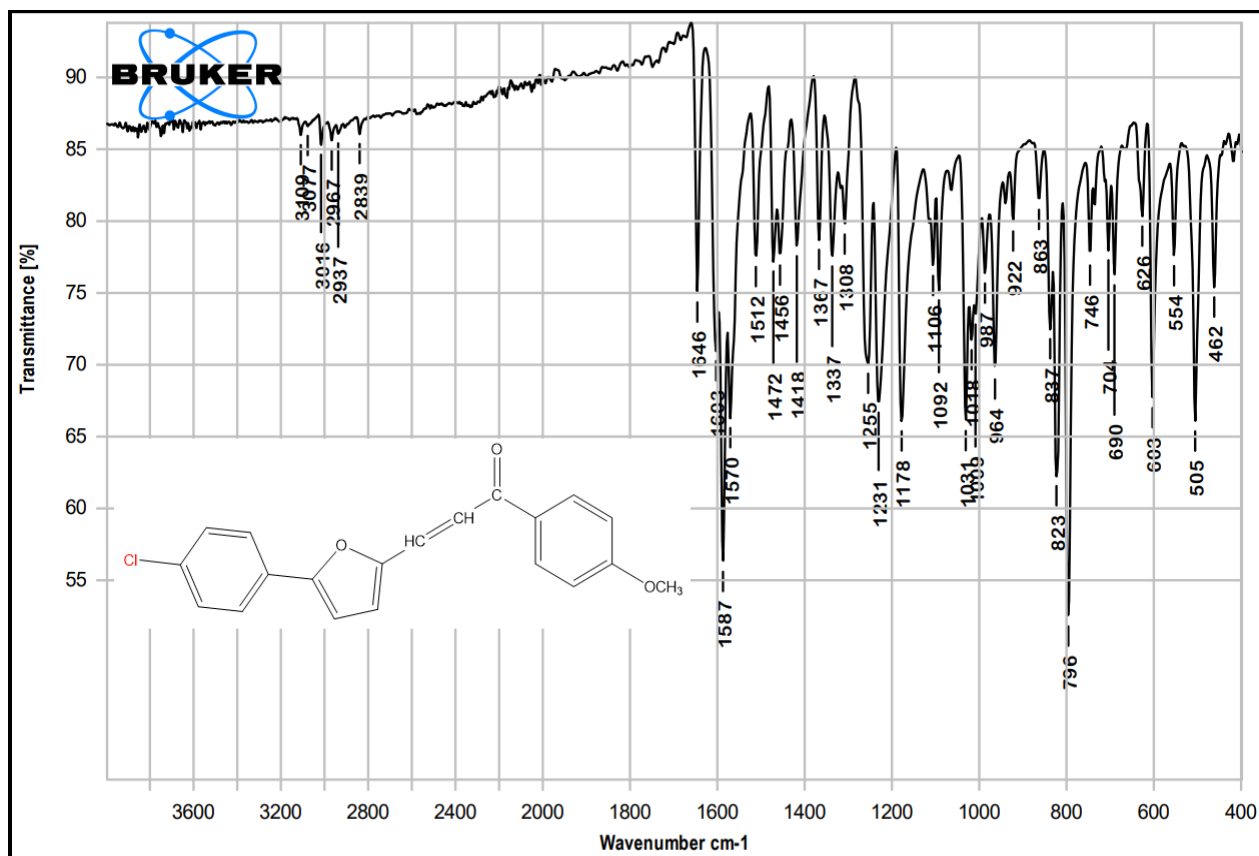
FTIR spectrum of compound 1b



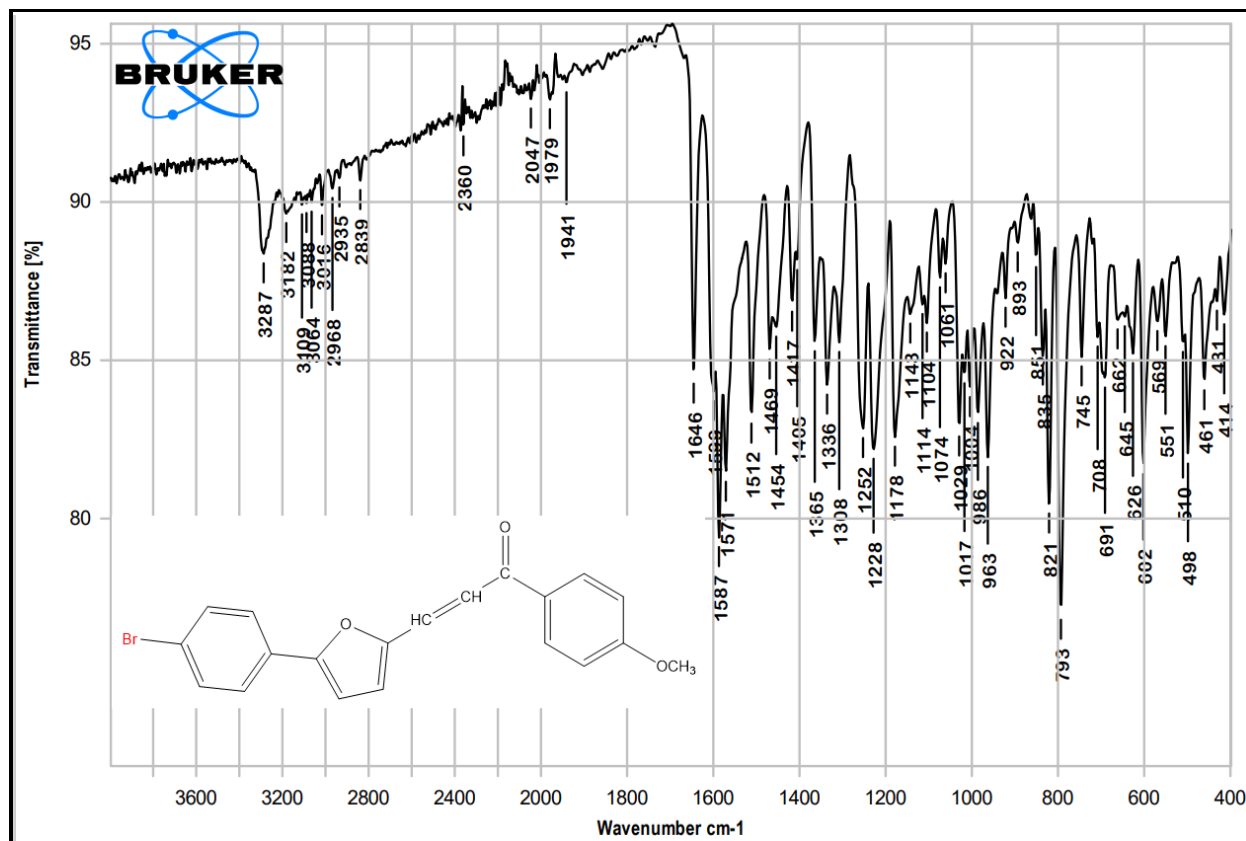
FTIR spectrum of compound 1c



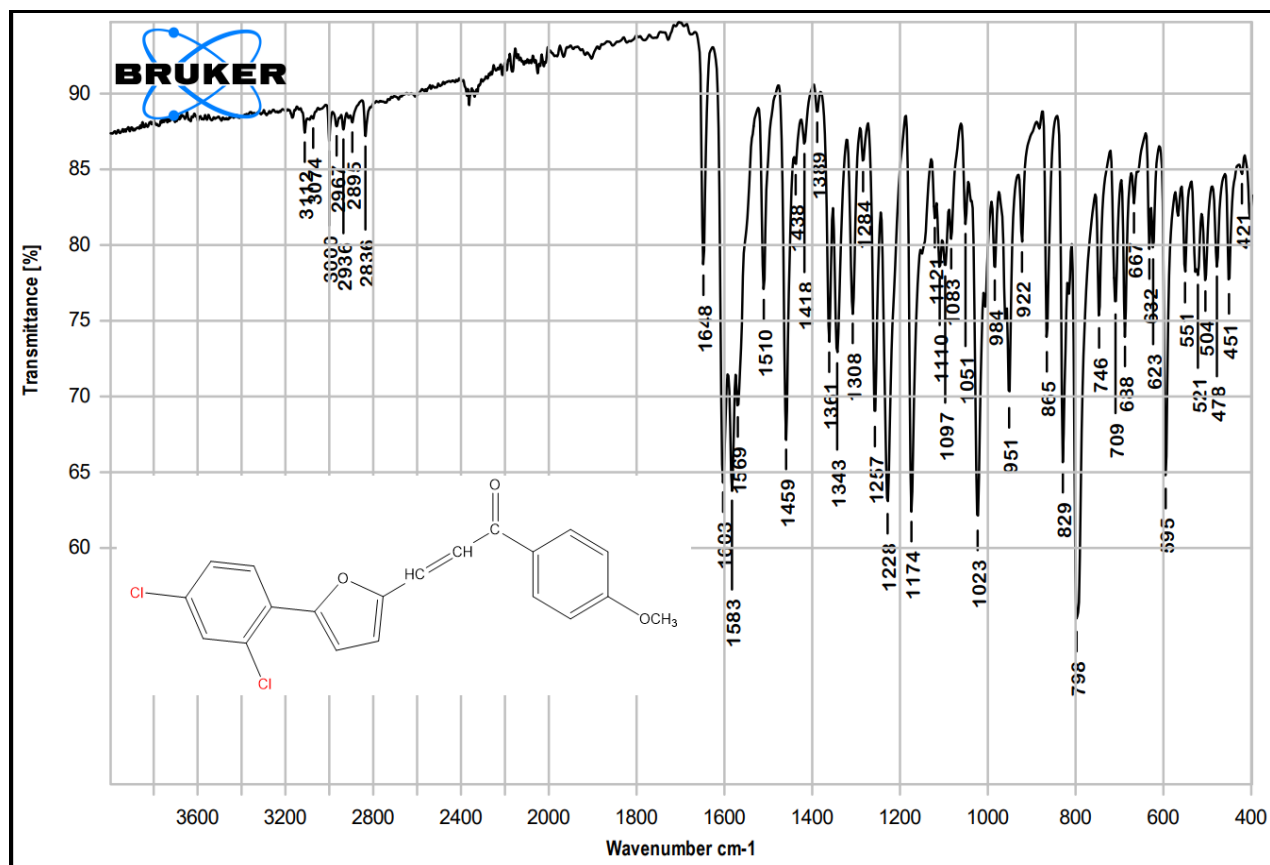
FTIR spectrum of compound 1d



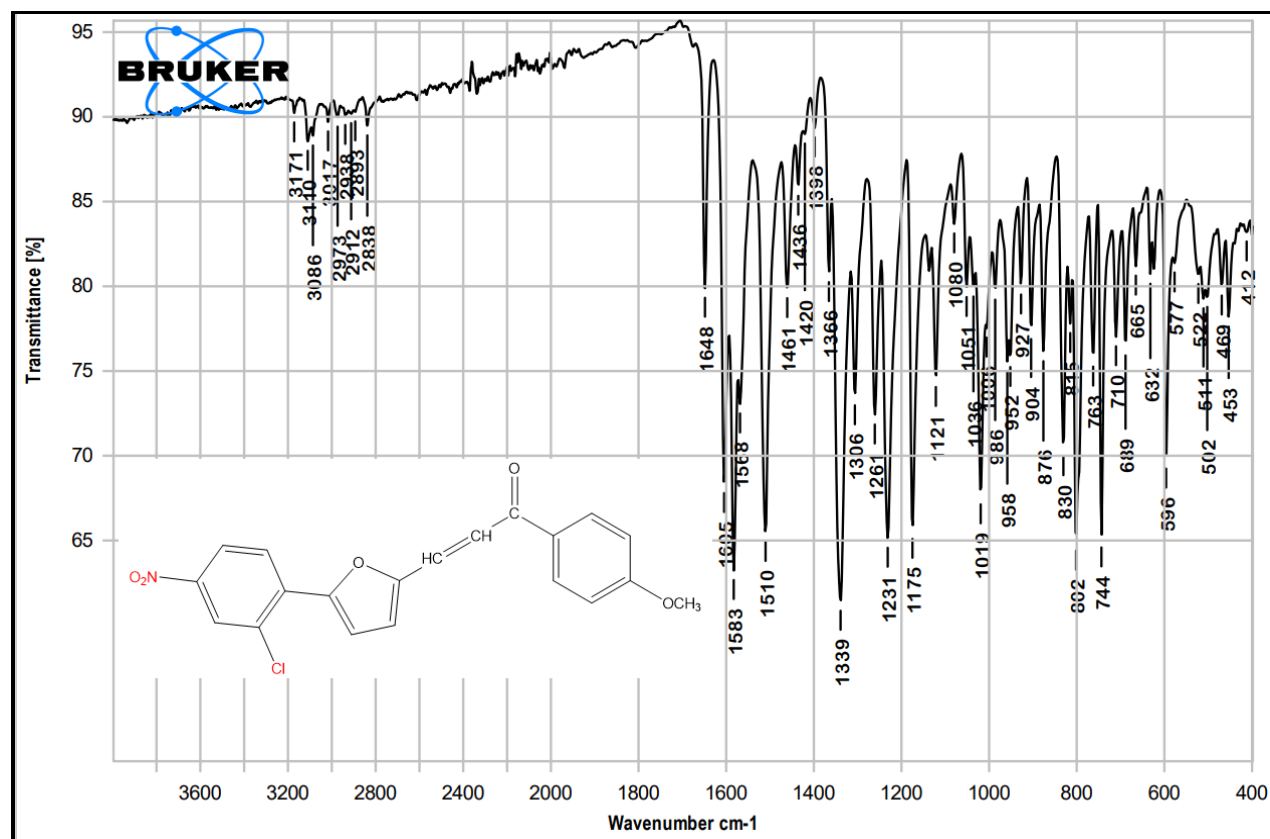
FTIR spectrum of compound 2a



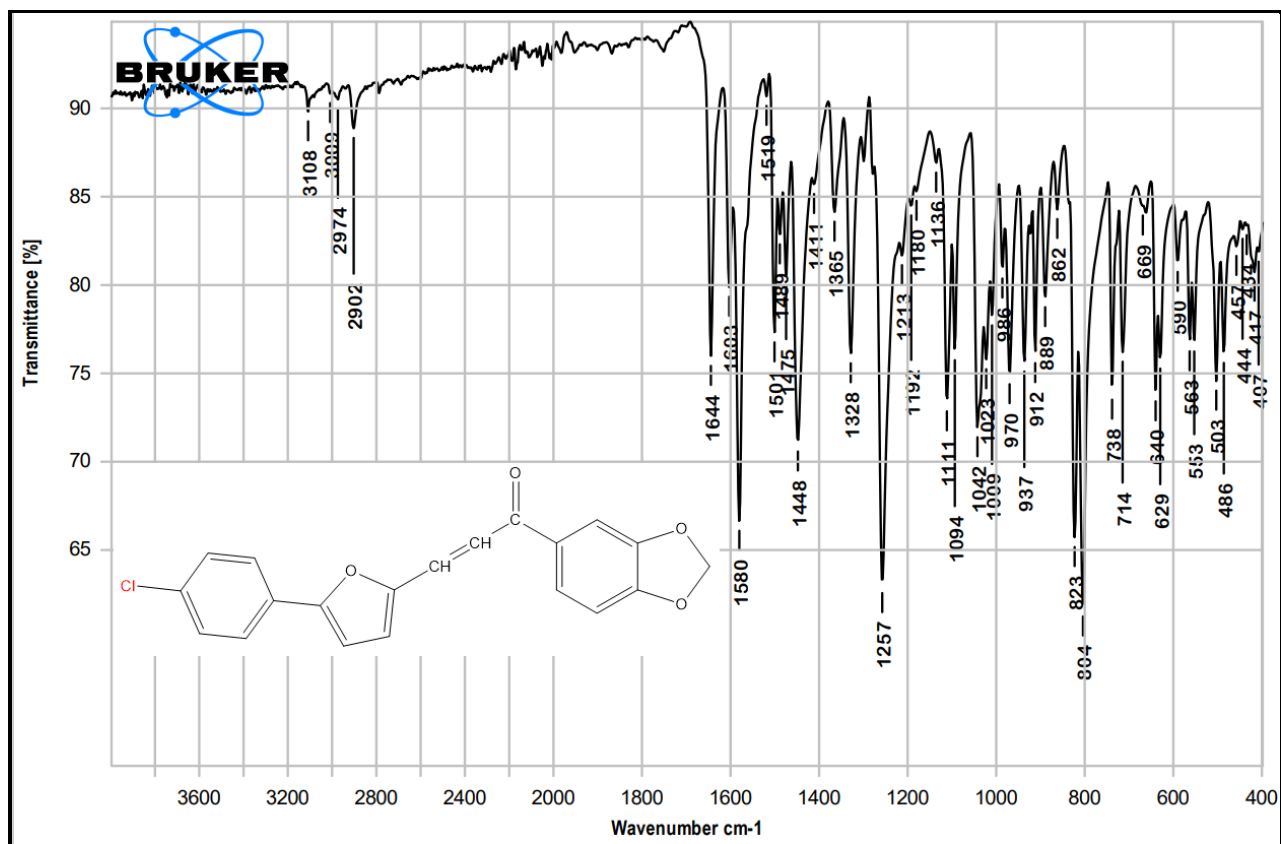
FTIR spectrum of compound 2b



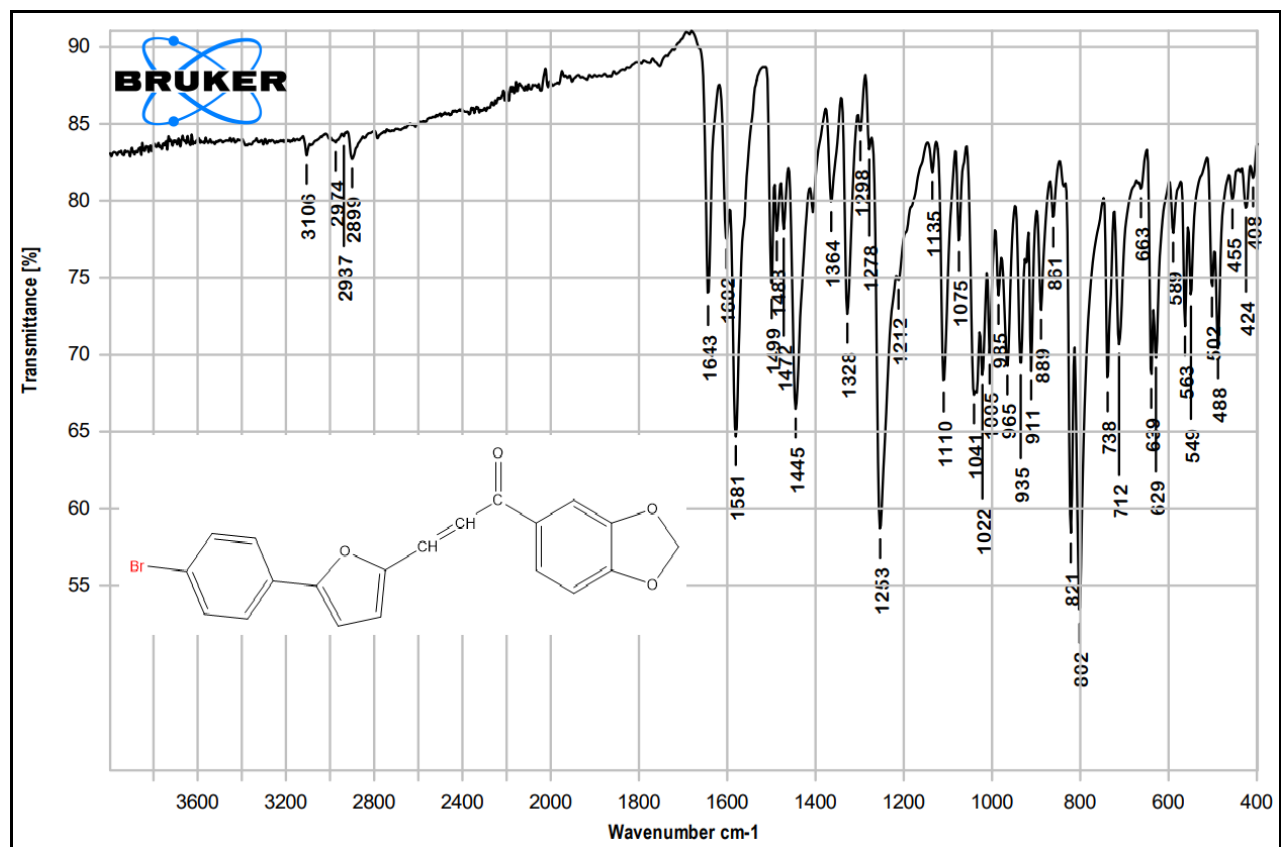
FTIR spectrum of compound 2c



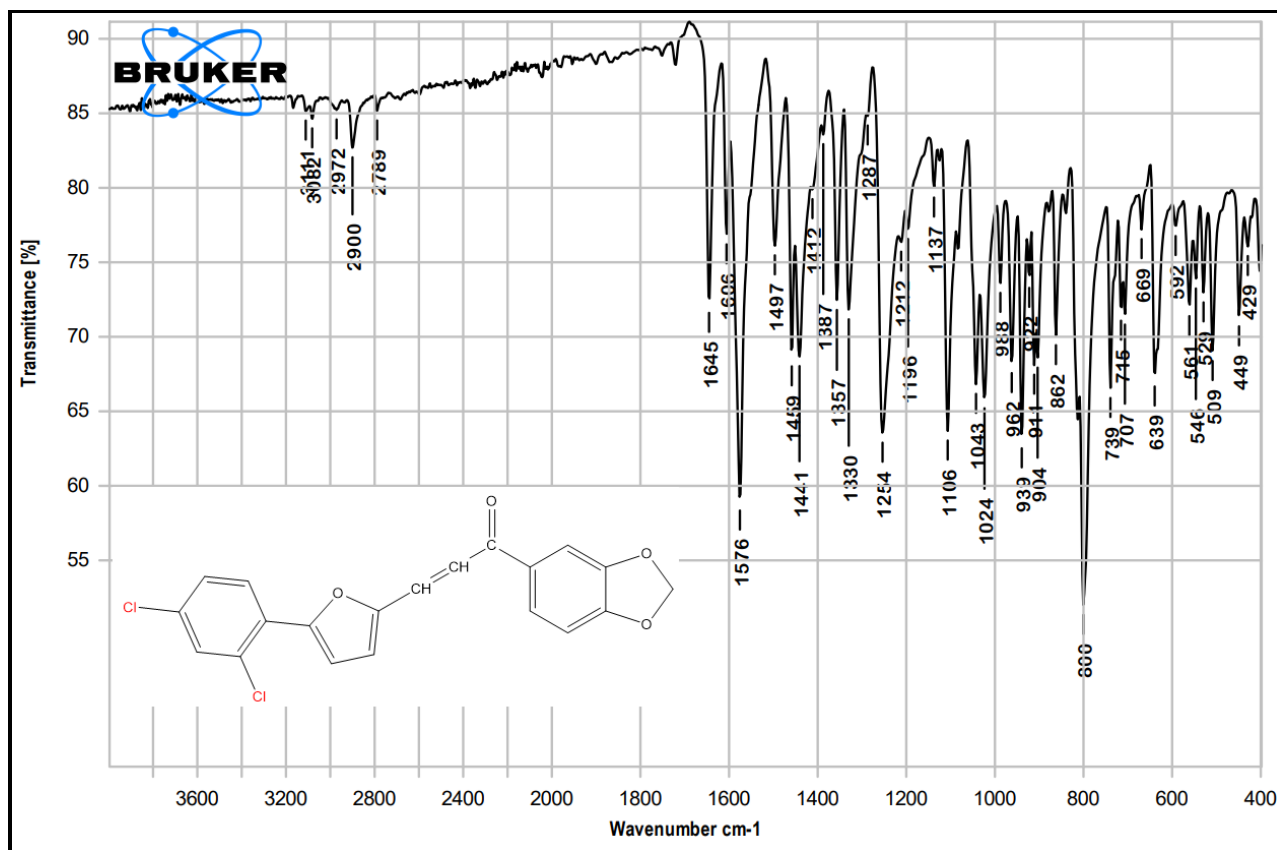
FTIR spectrum of compound 2d



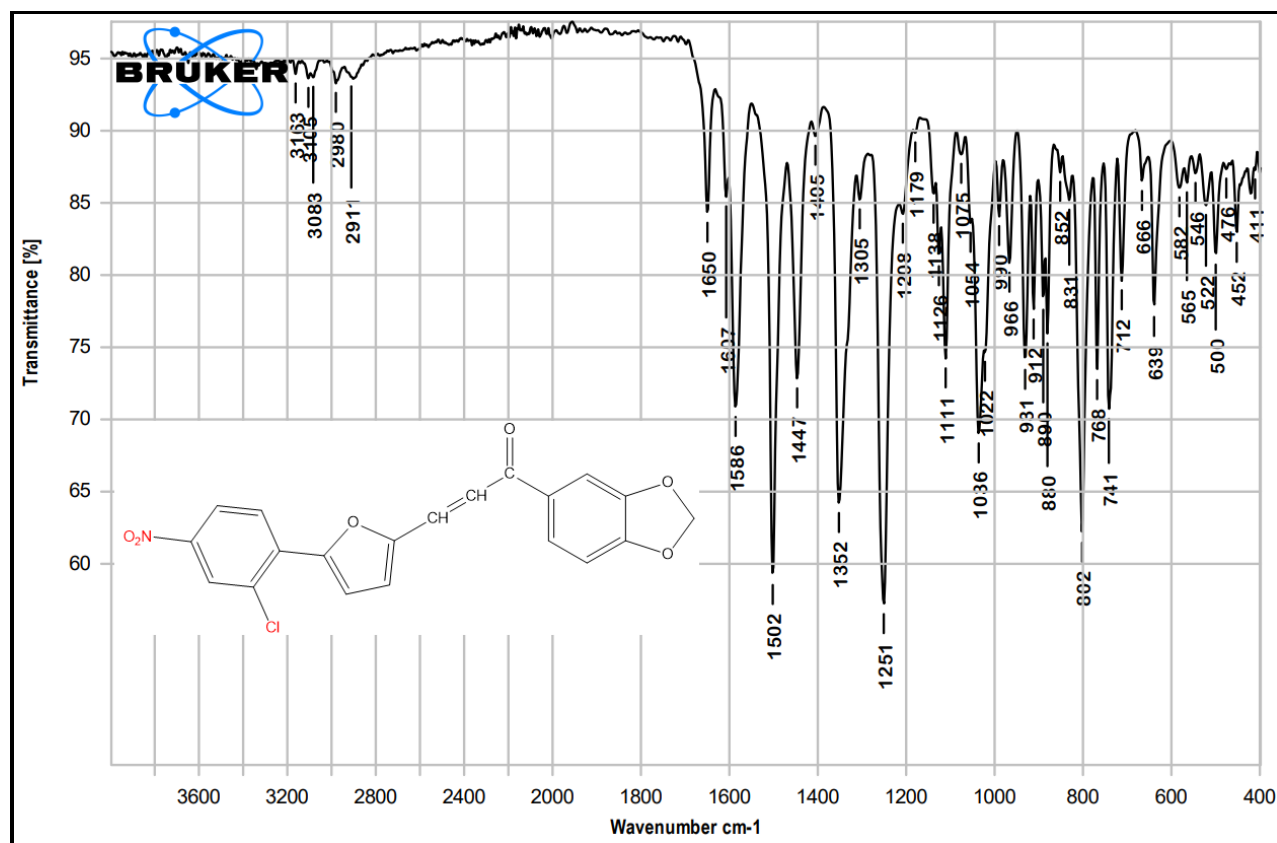
FTIR spectrum of compound 2e



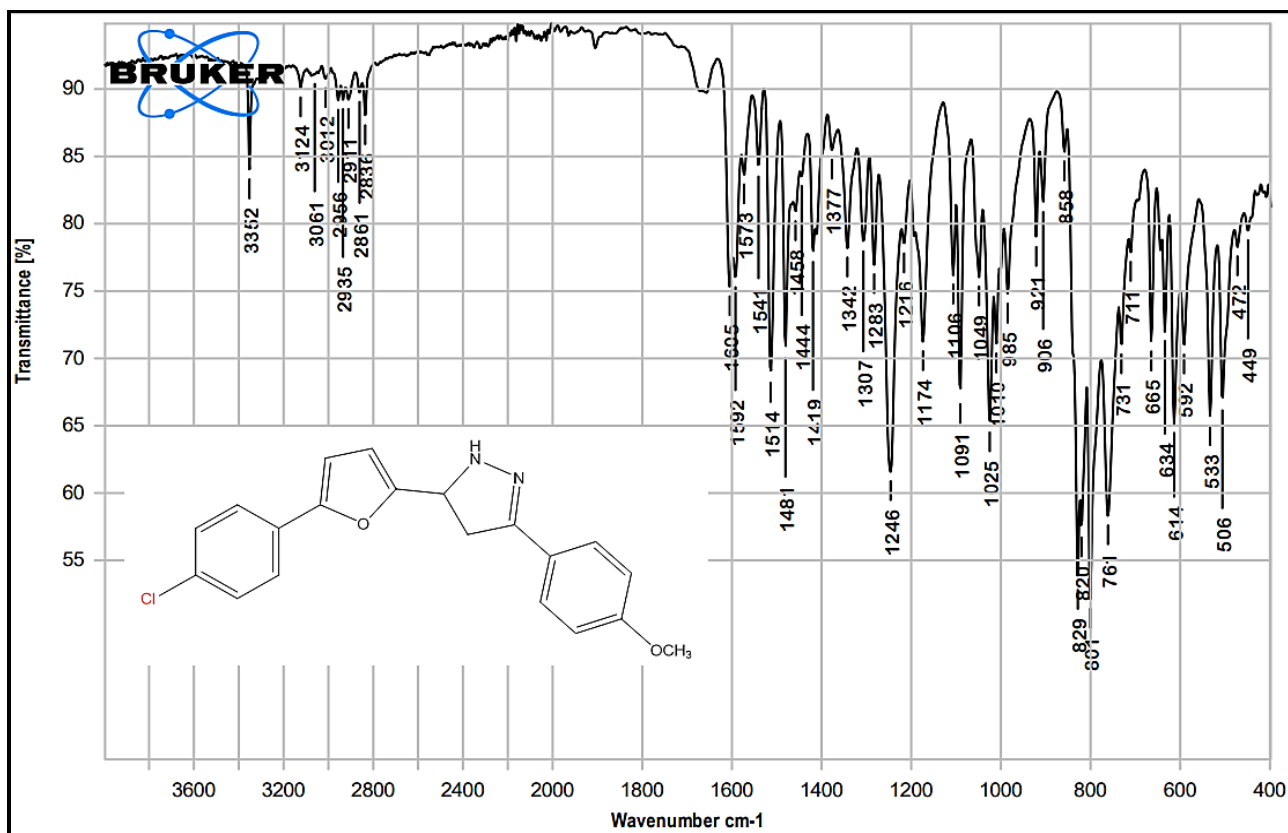
FTIR spectrum of compound 2f



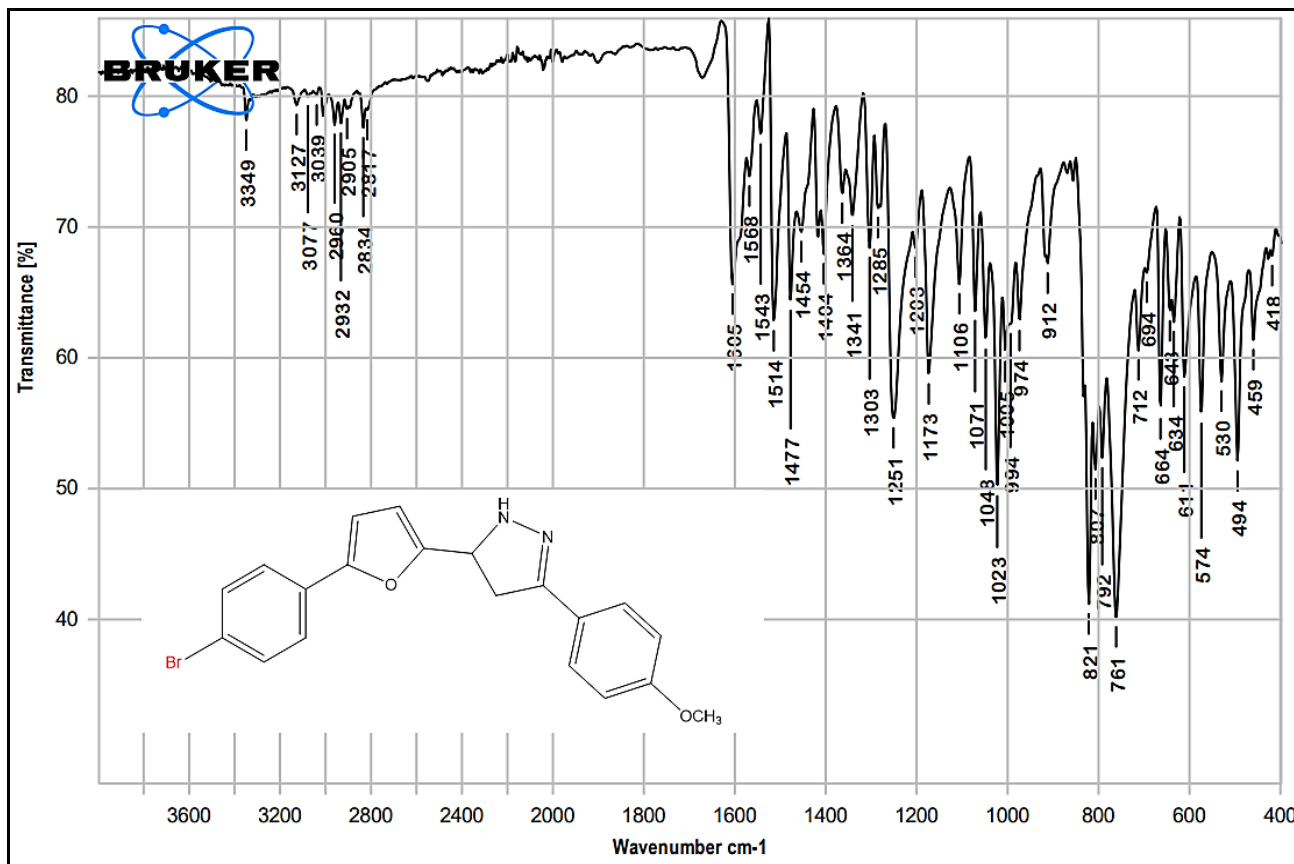
FTIR spectrum of compound 2g



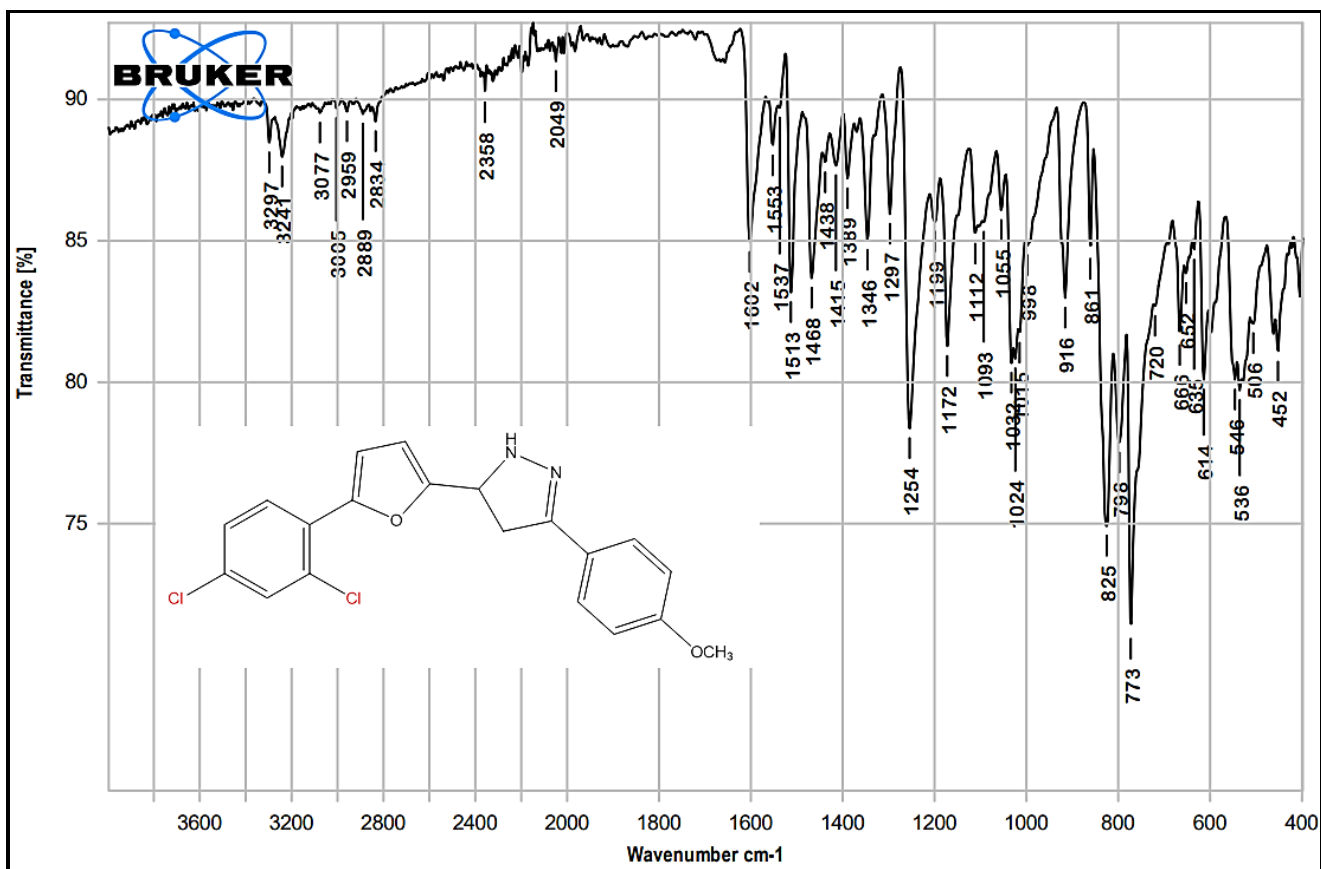
FTIR spectrum of compound 2h



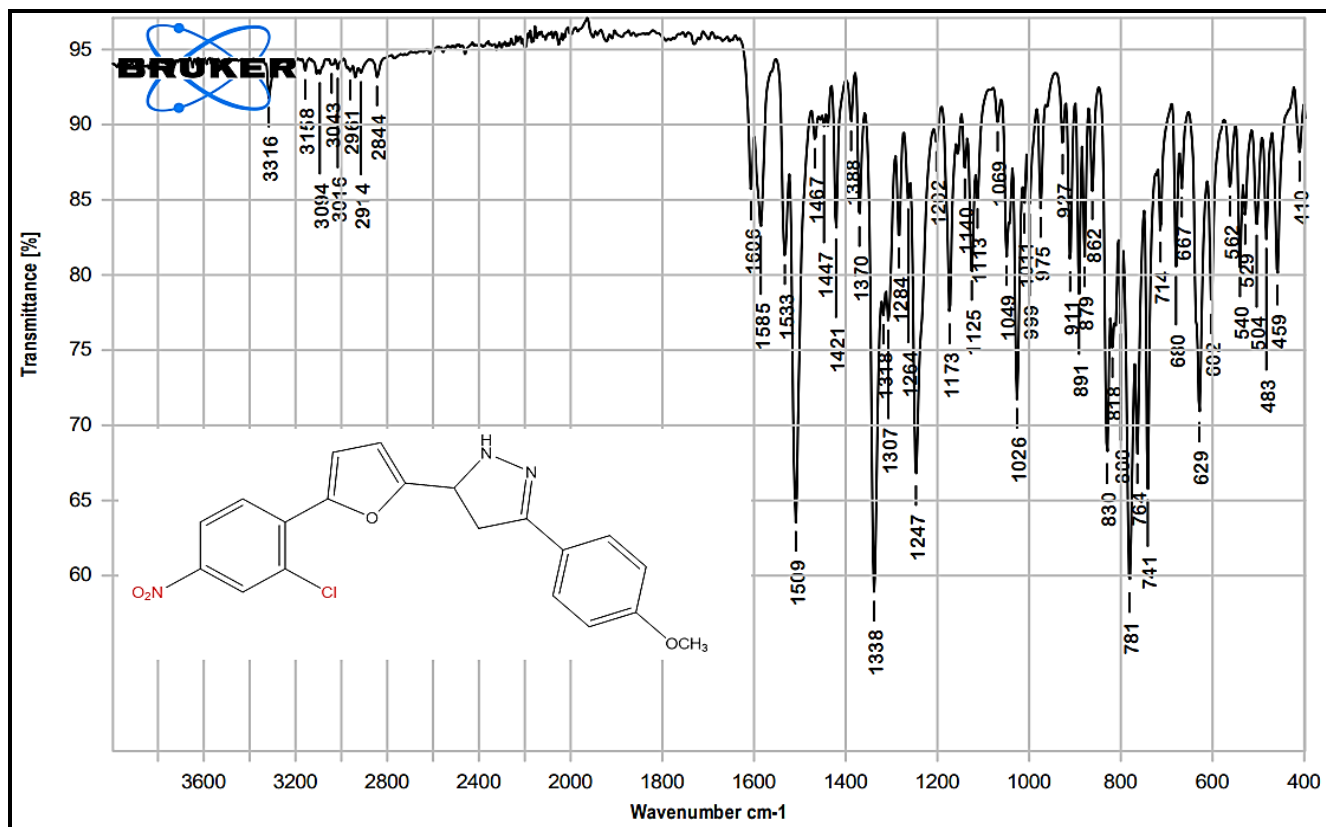
FTIR spectrum of compound 3a



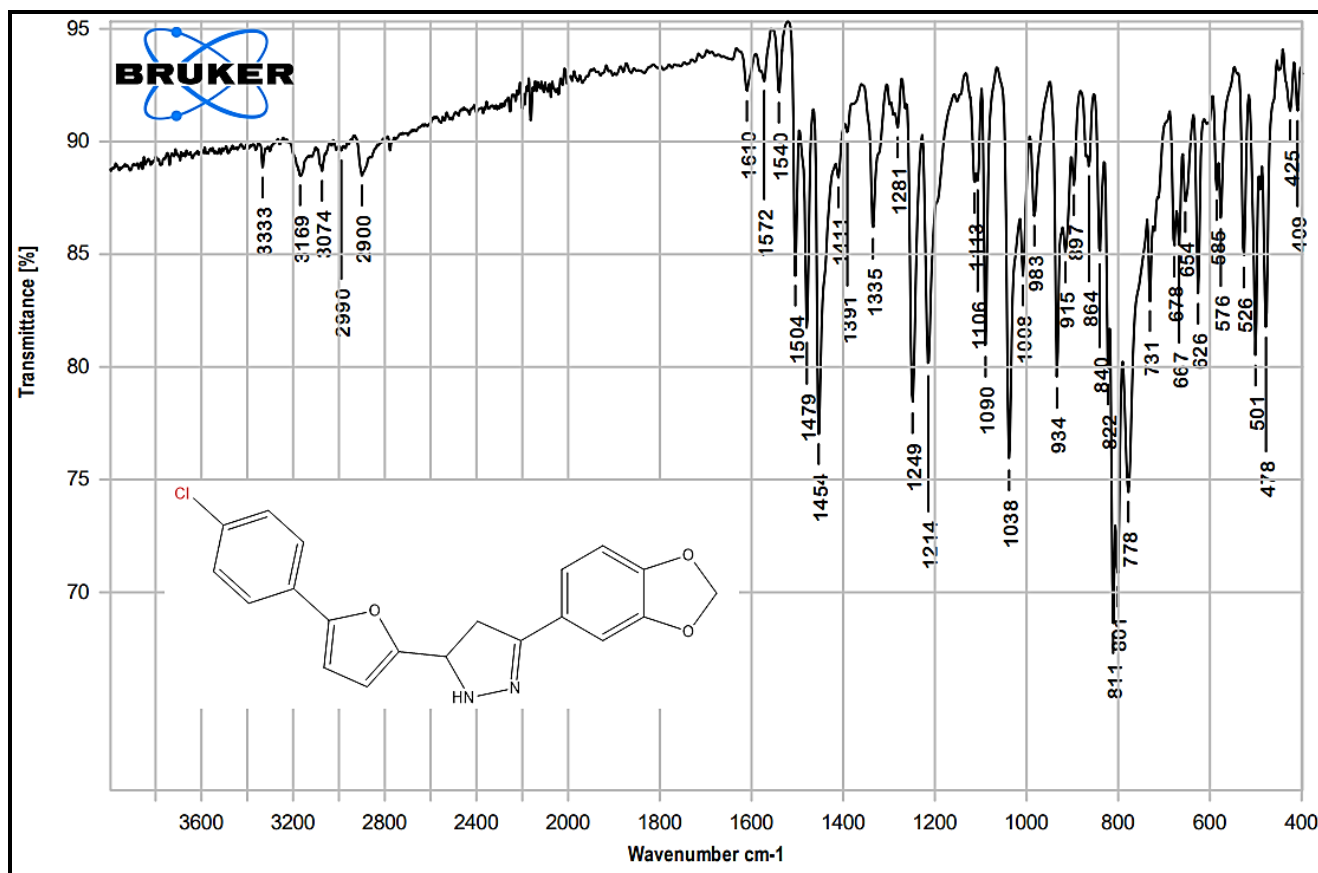
FTIR spectrum of compound 3b



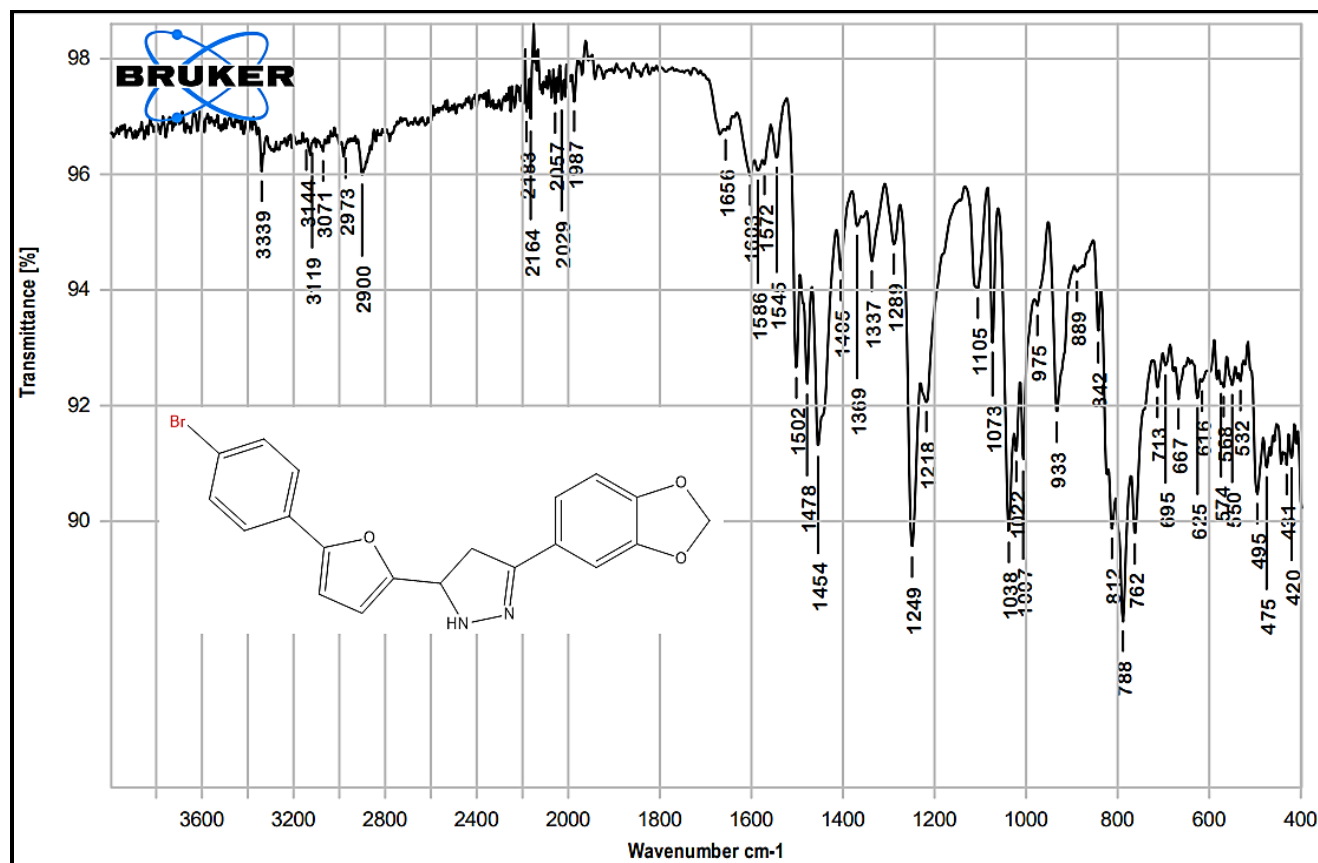
FTIR spectrum of compound 3c



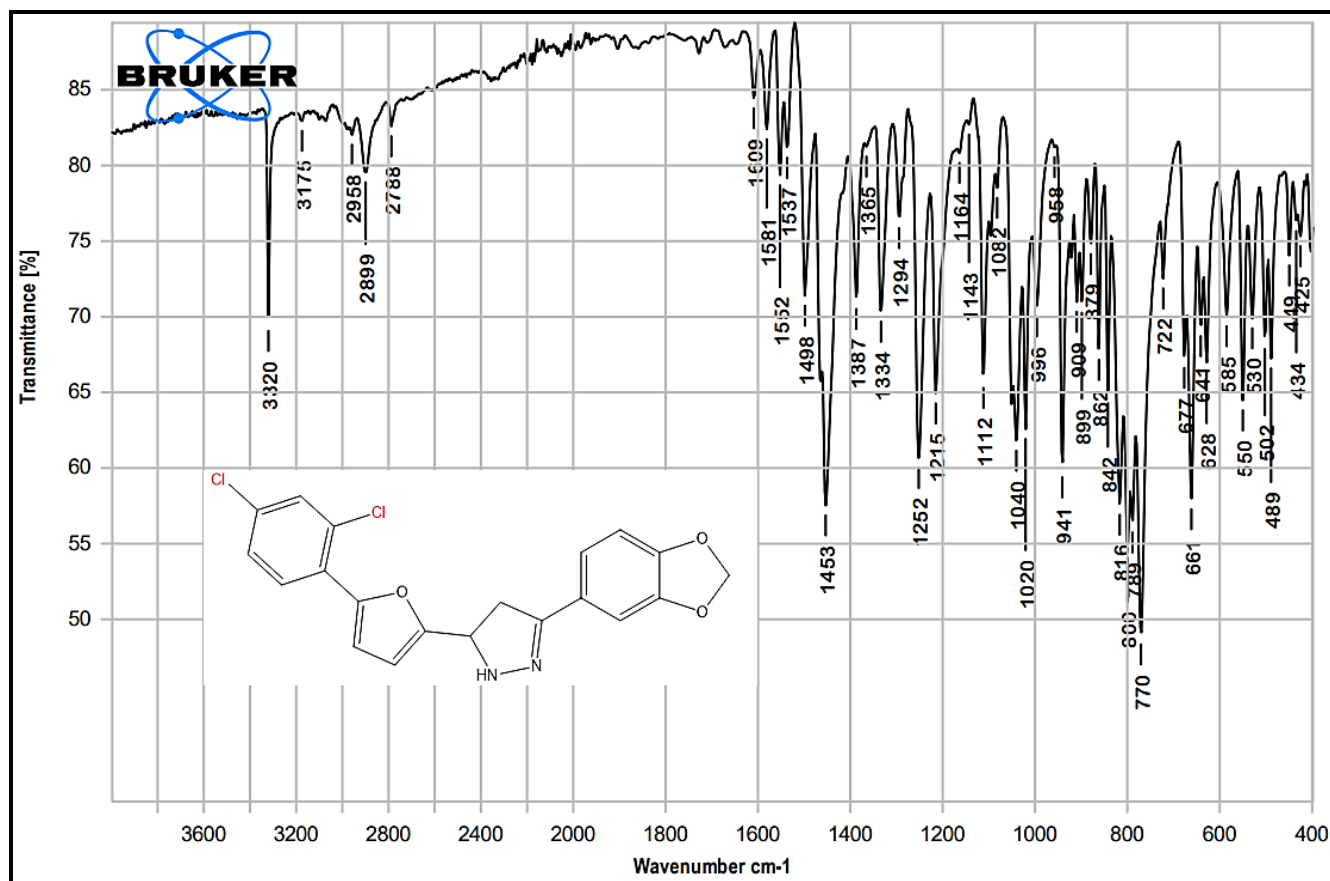
FTIR spectrum of compound 3d



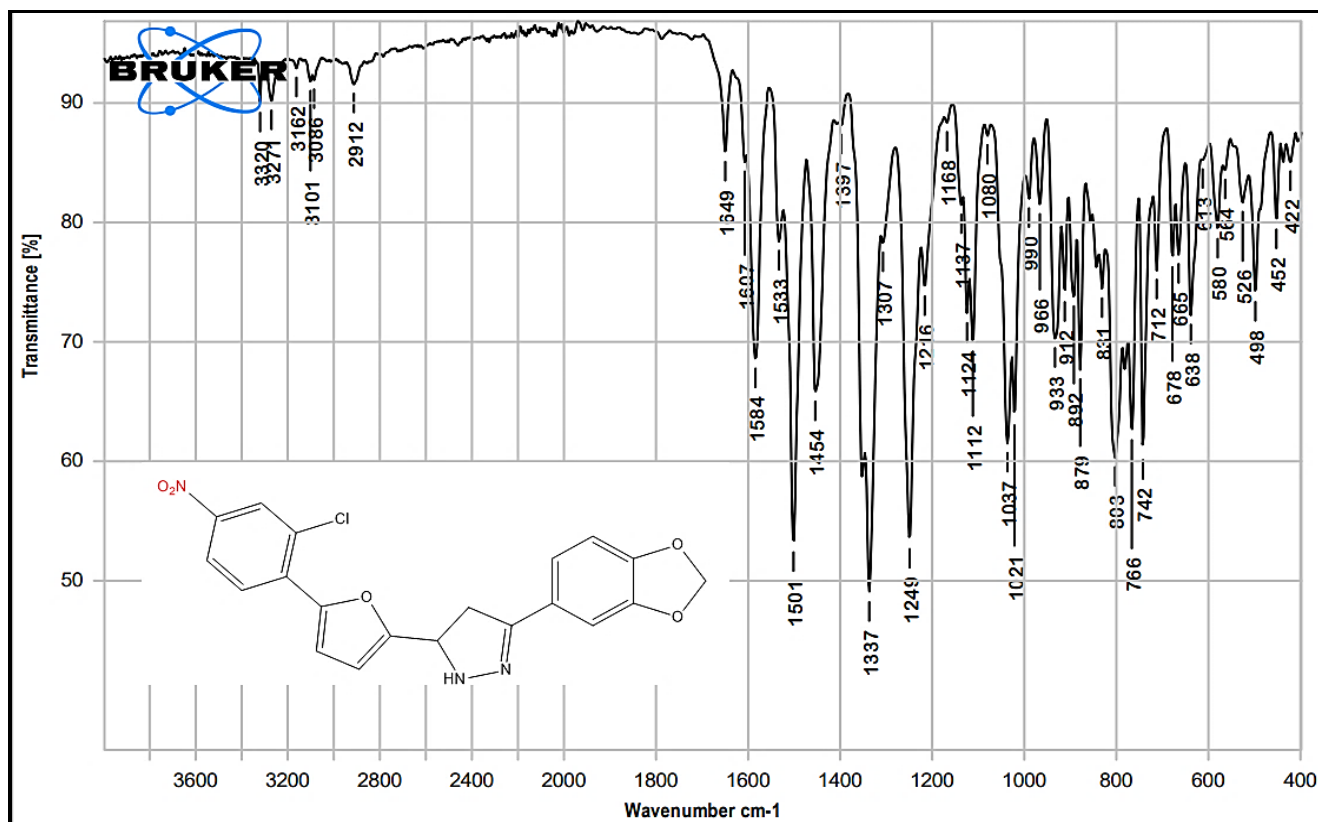
FTIR spectrum of compound 3e



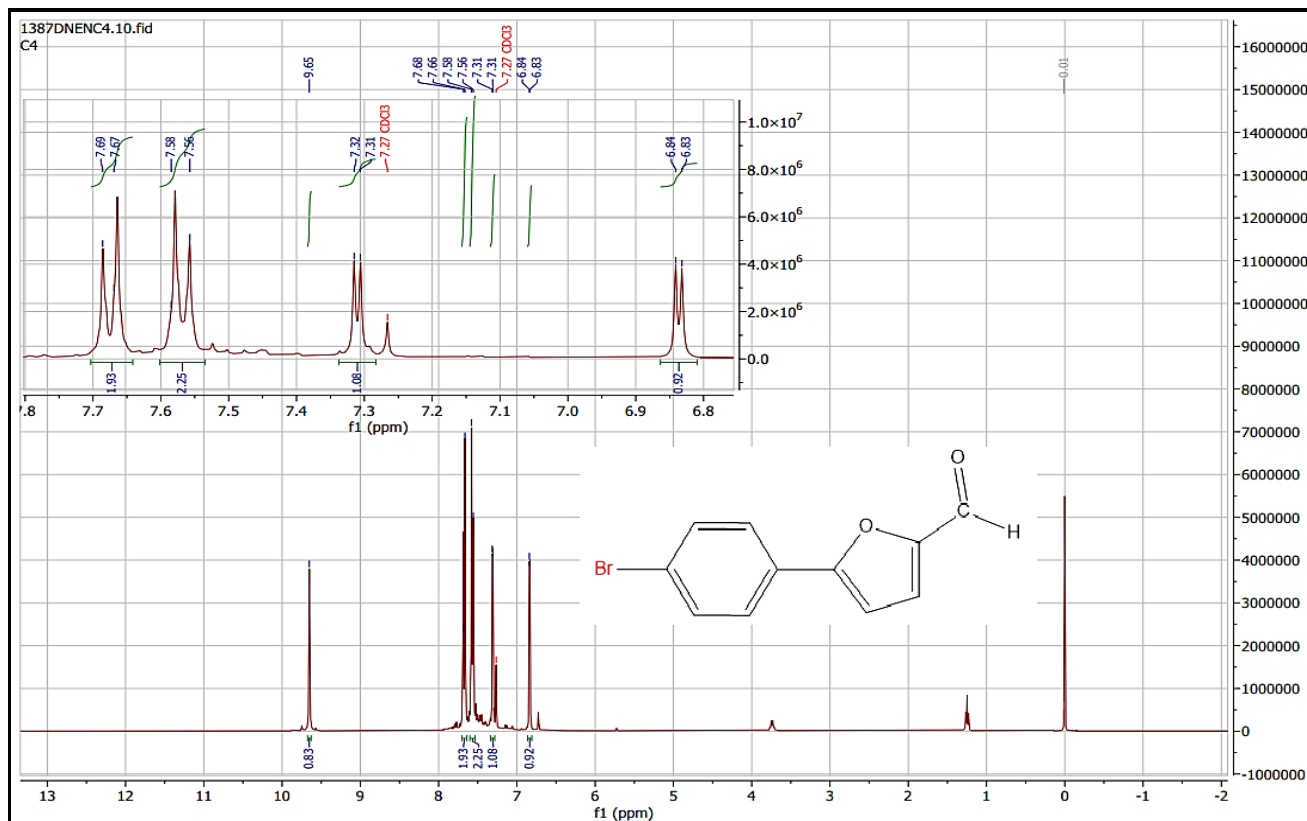
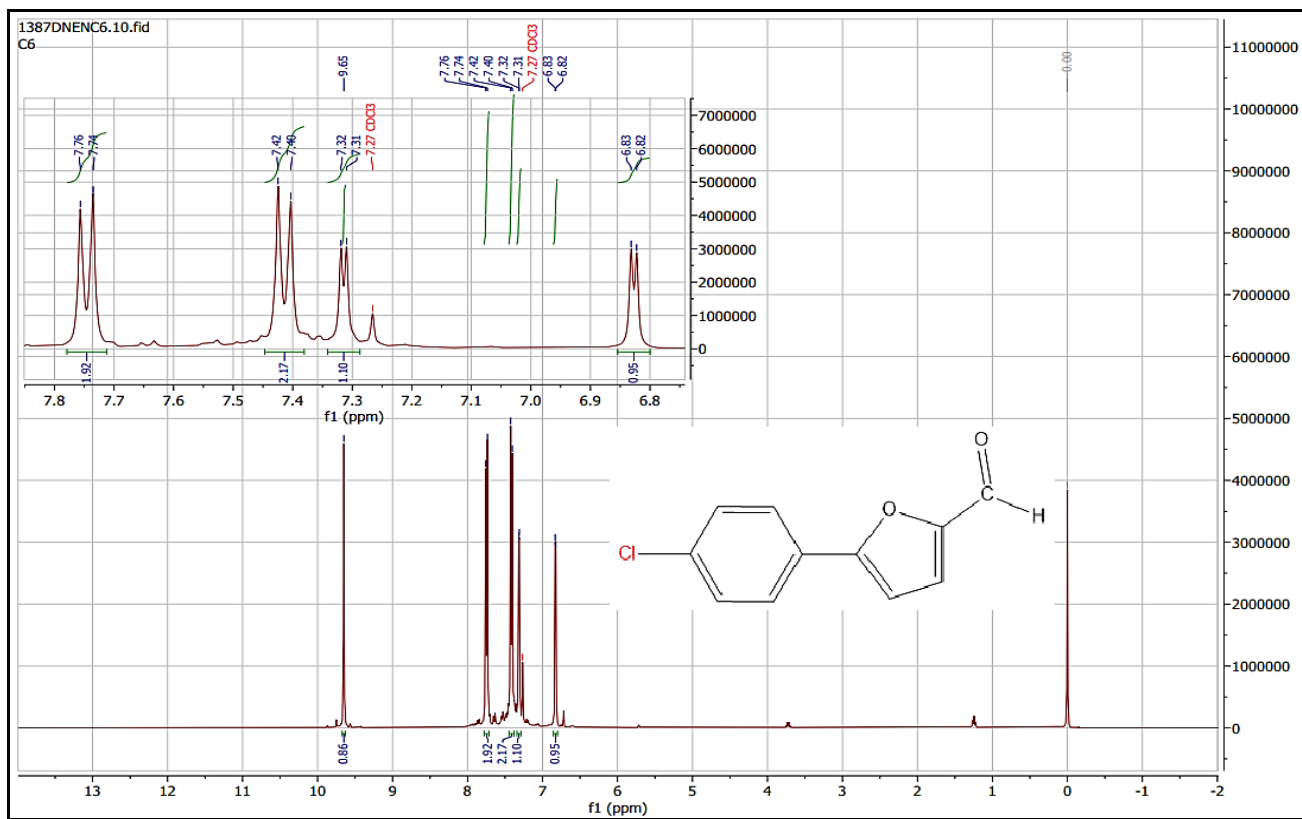
FTIR spectrum of compound 3f

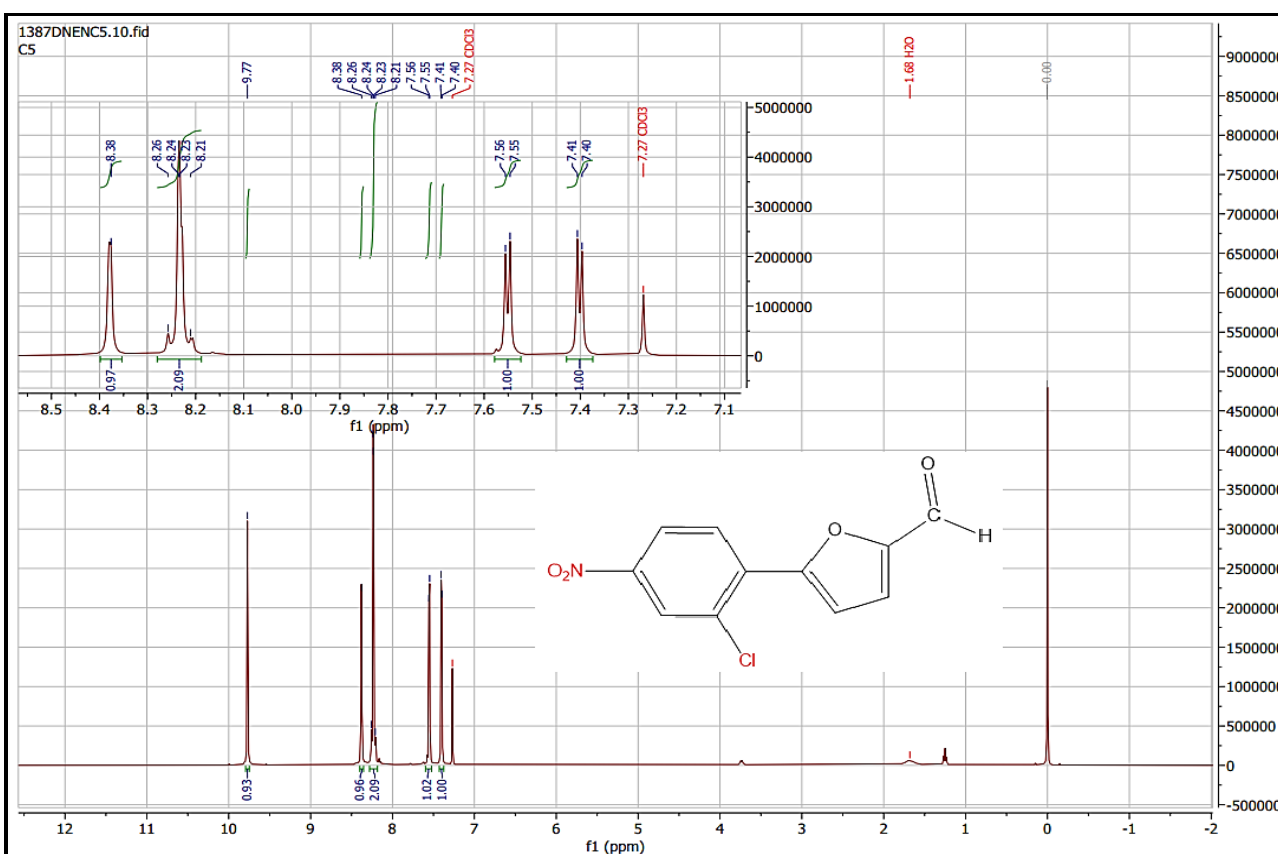
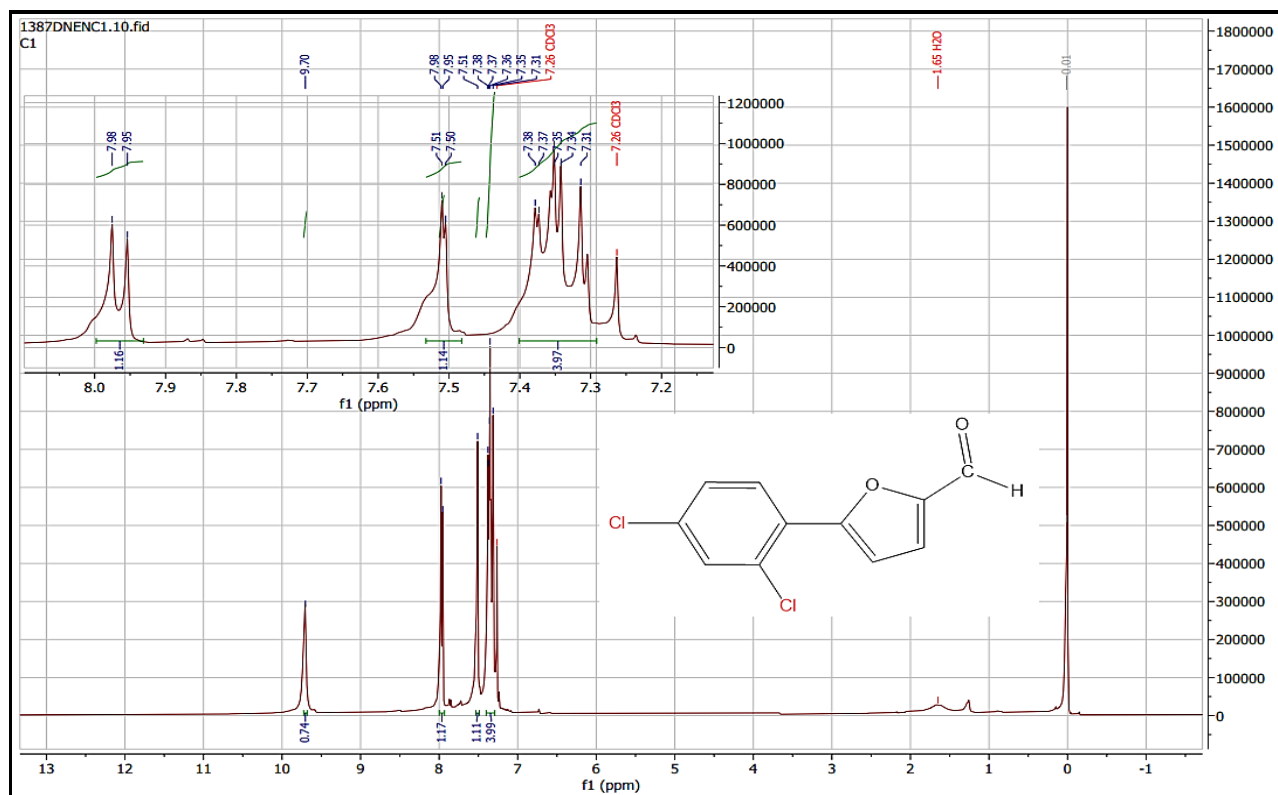


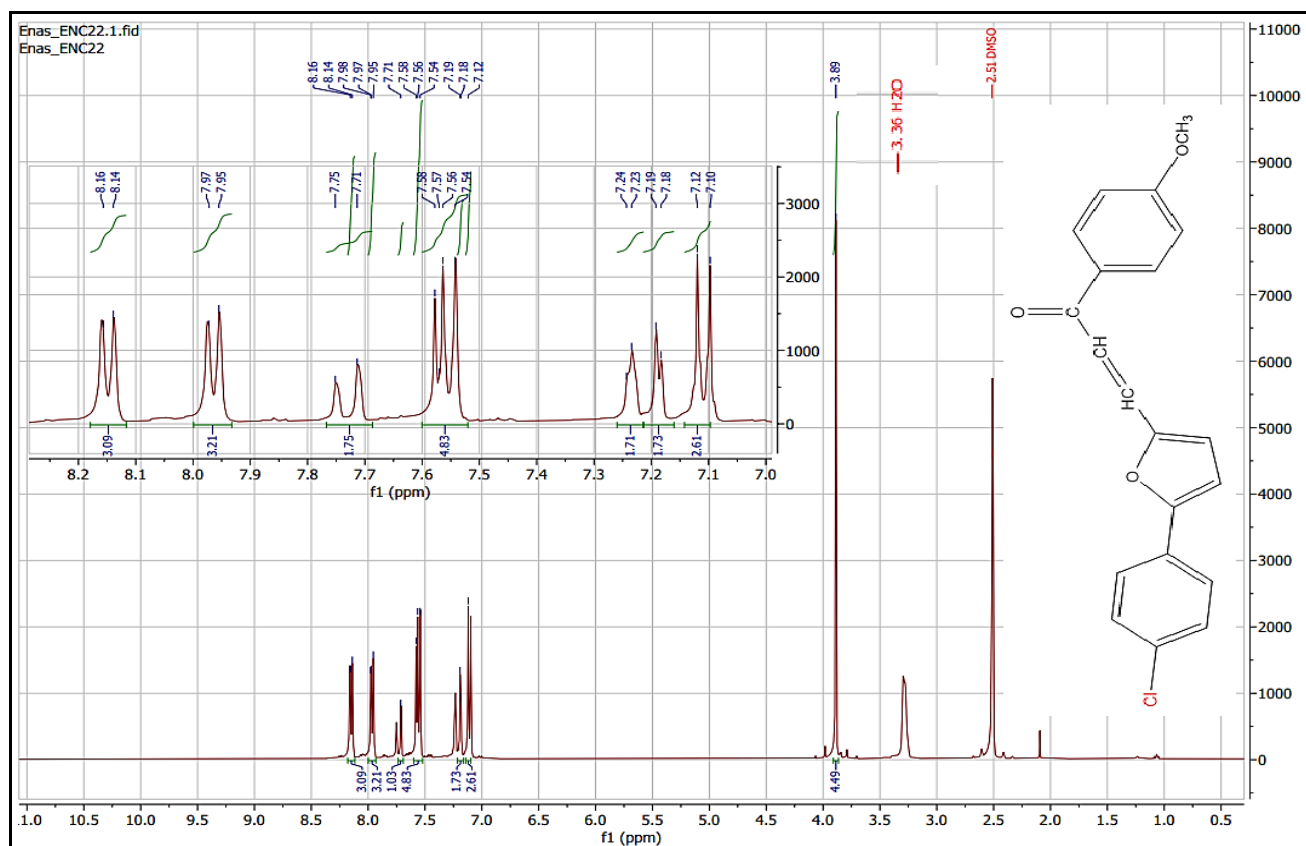
FTIR spectrum of compound 3g



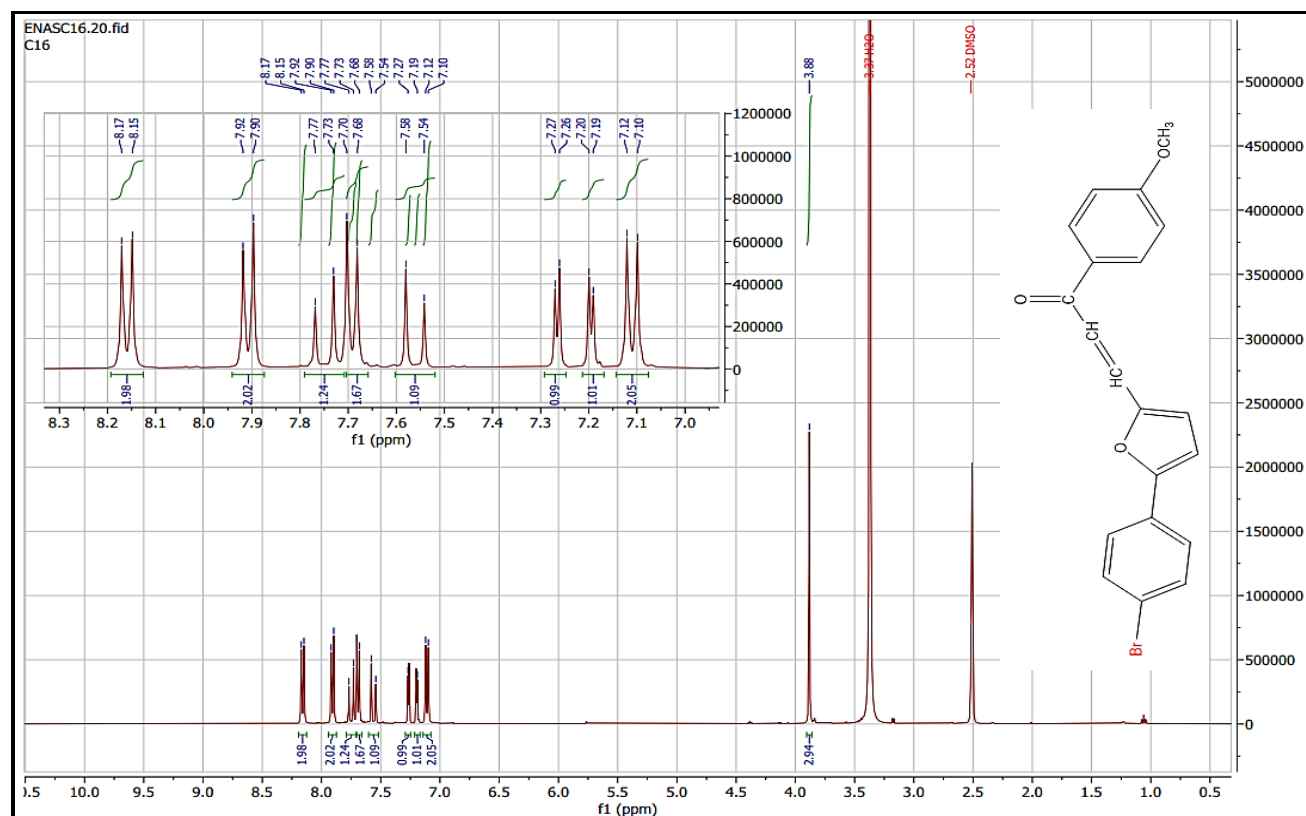
FTIR spectrum of compound 3h



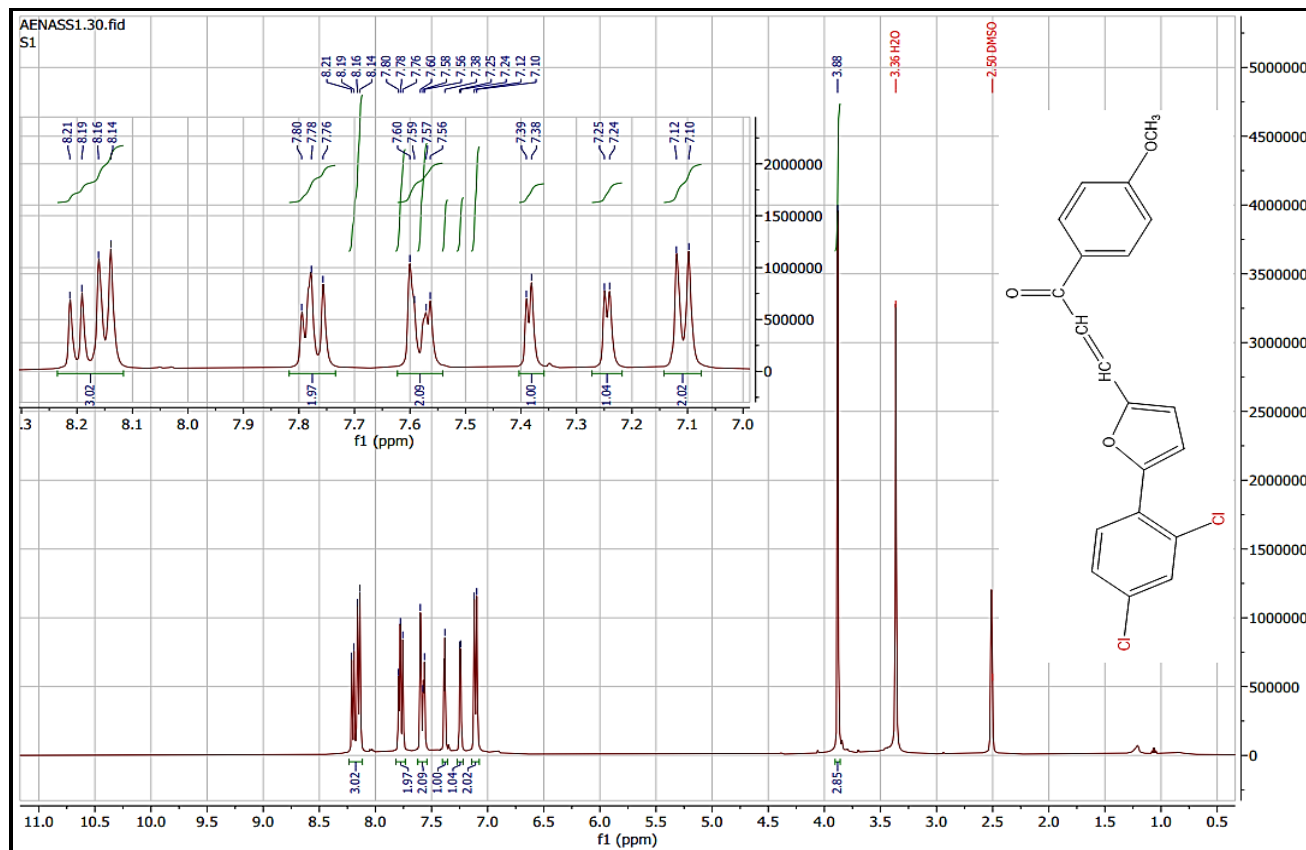




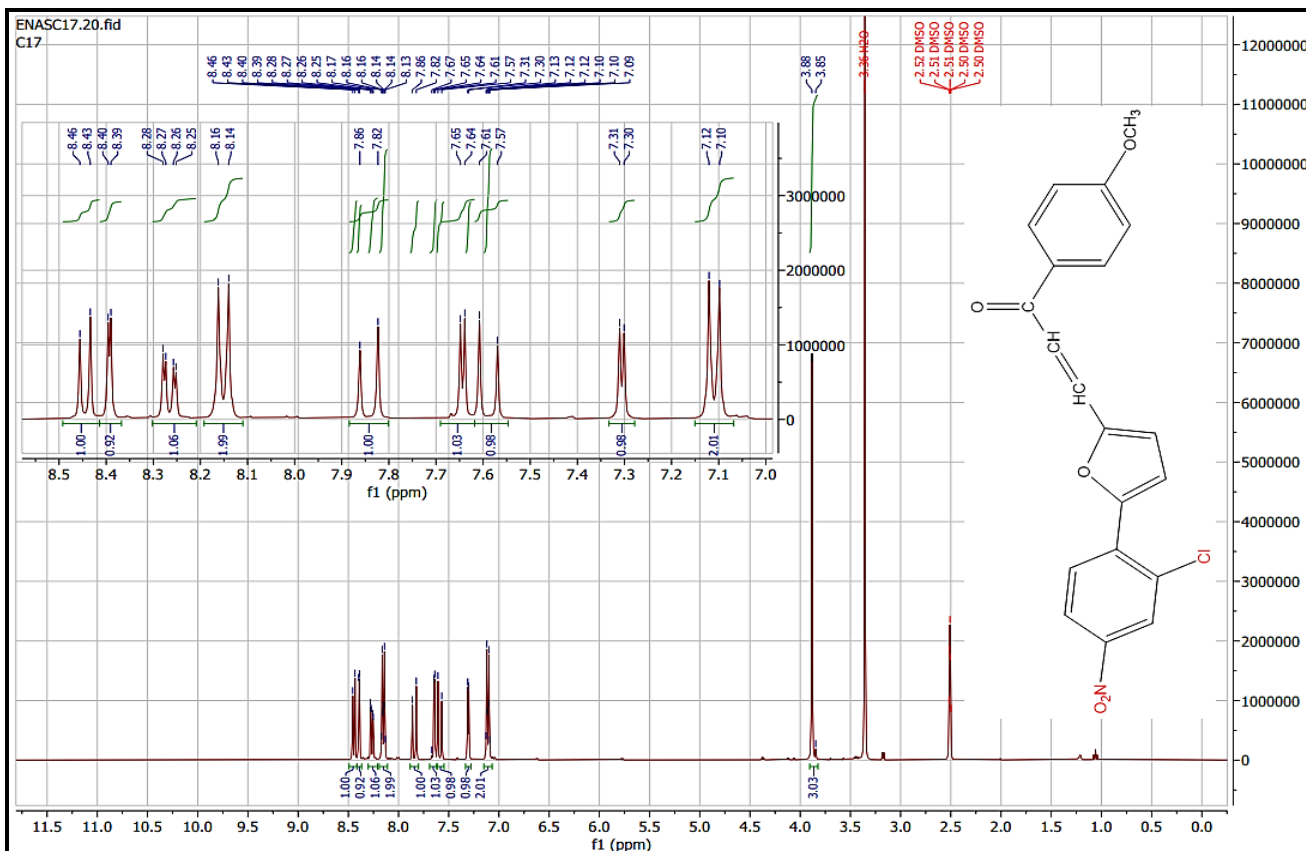
¹H-NMR spectrum of compound 2a



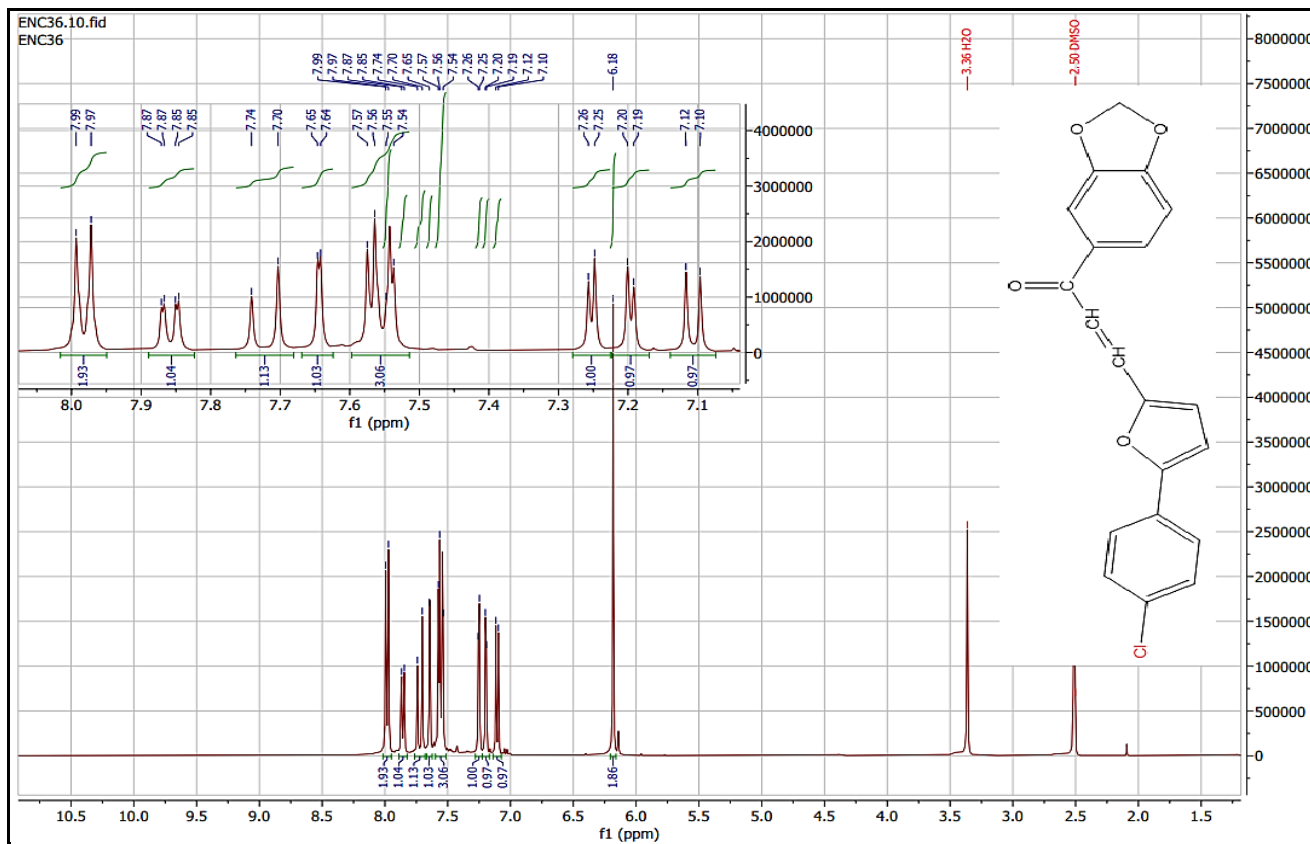
¹H-NMR spectrum of compound 2b



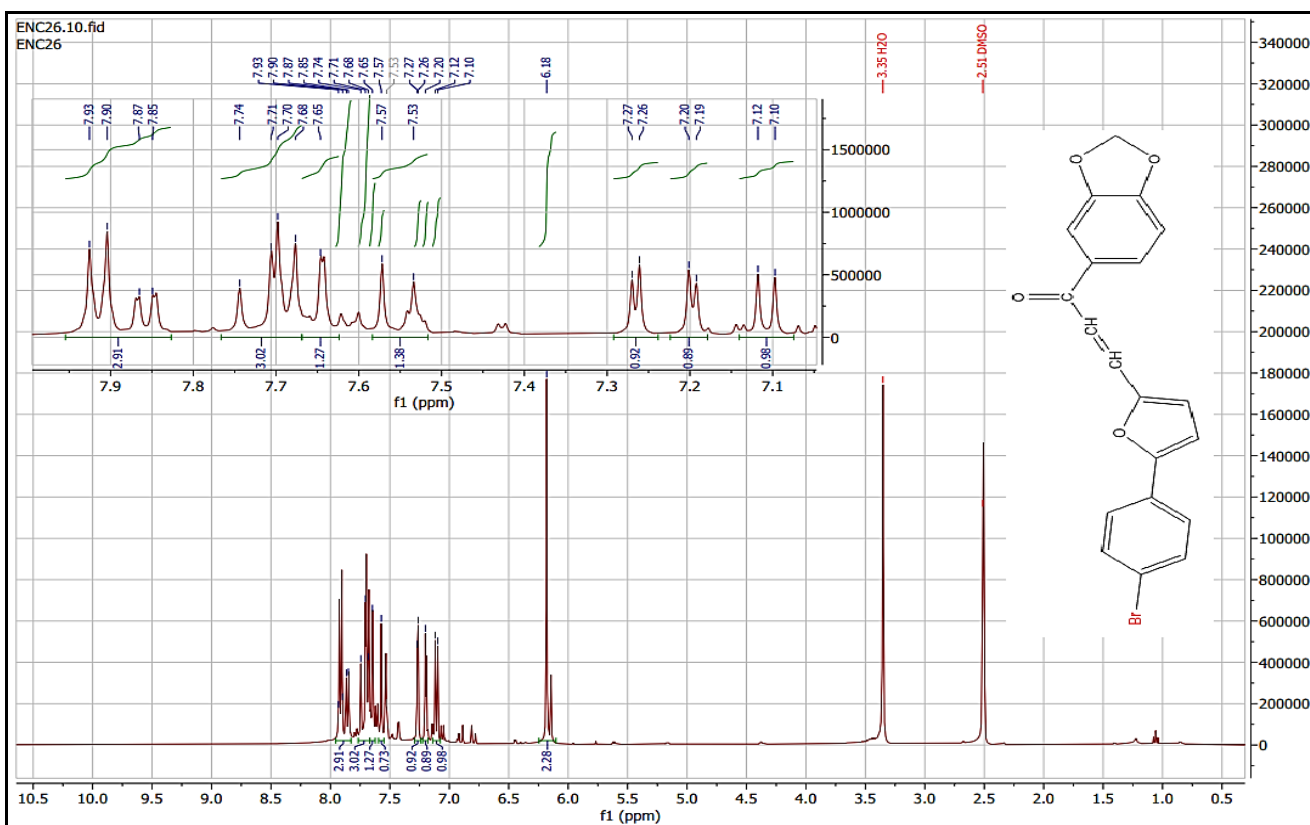
¹H-NMR spectrum of compound 2c



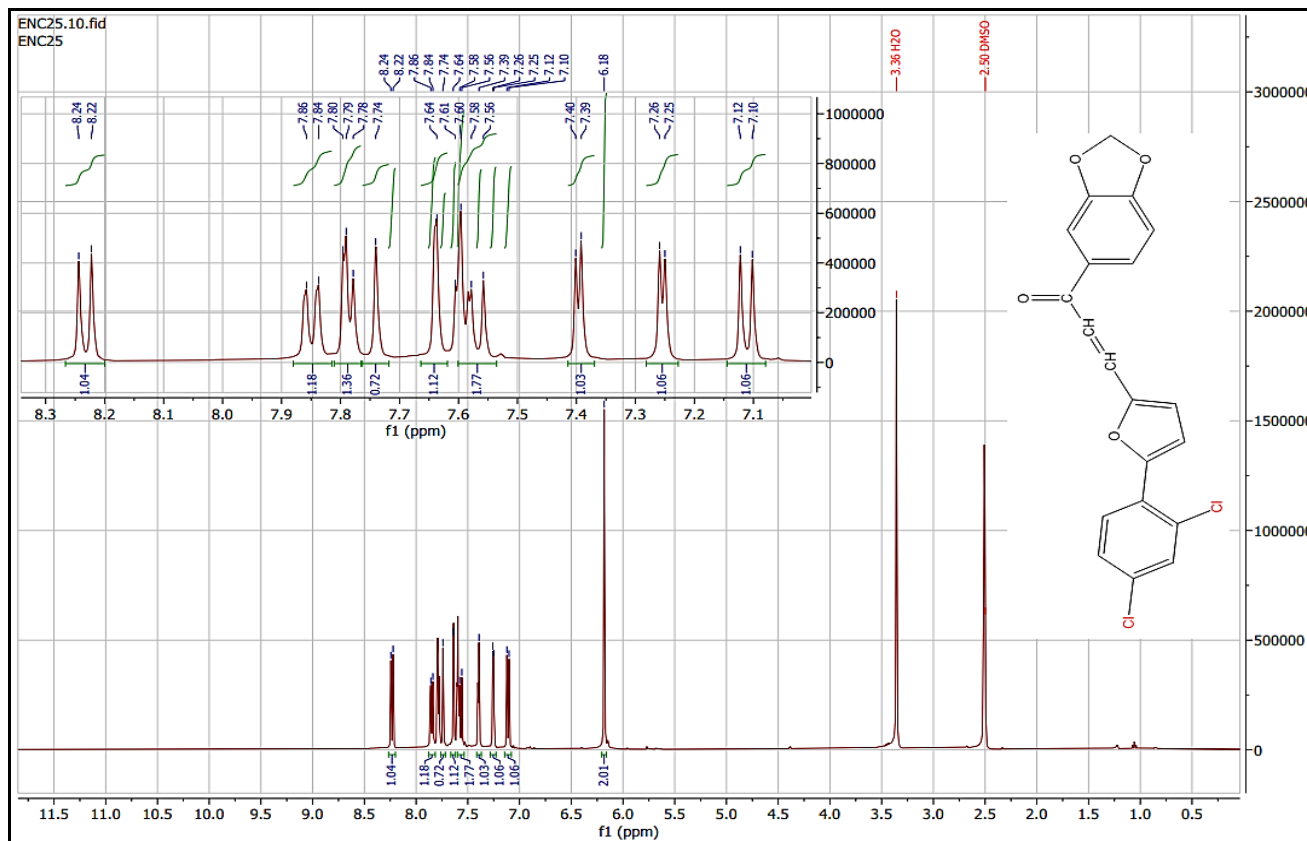
¹H-NMR spectrum of compound 2d



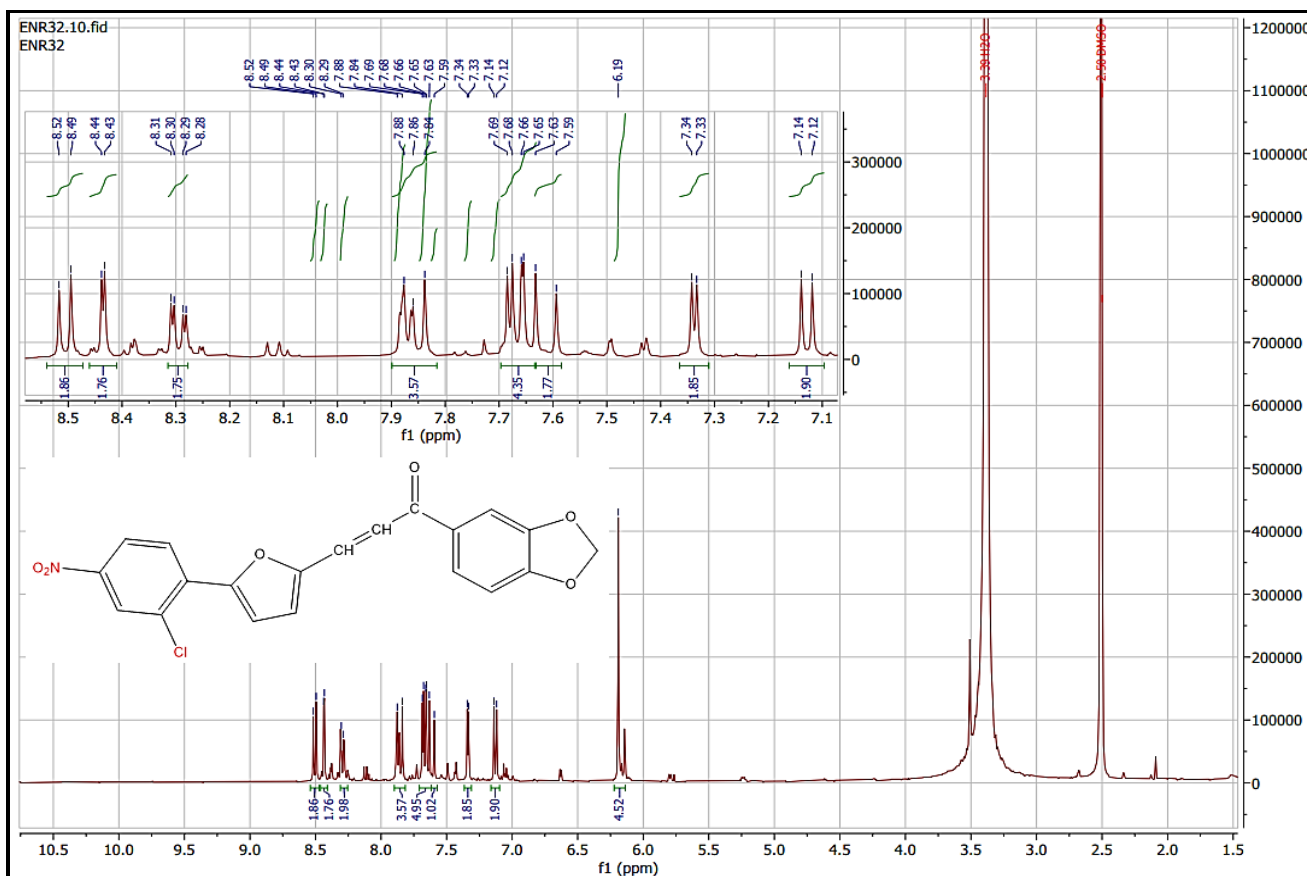
¹H-NMR spectrum of compound 2e



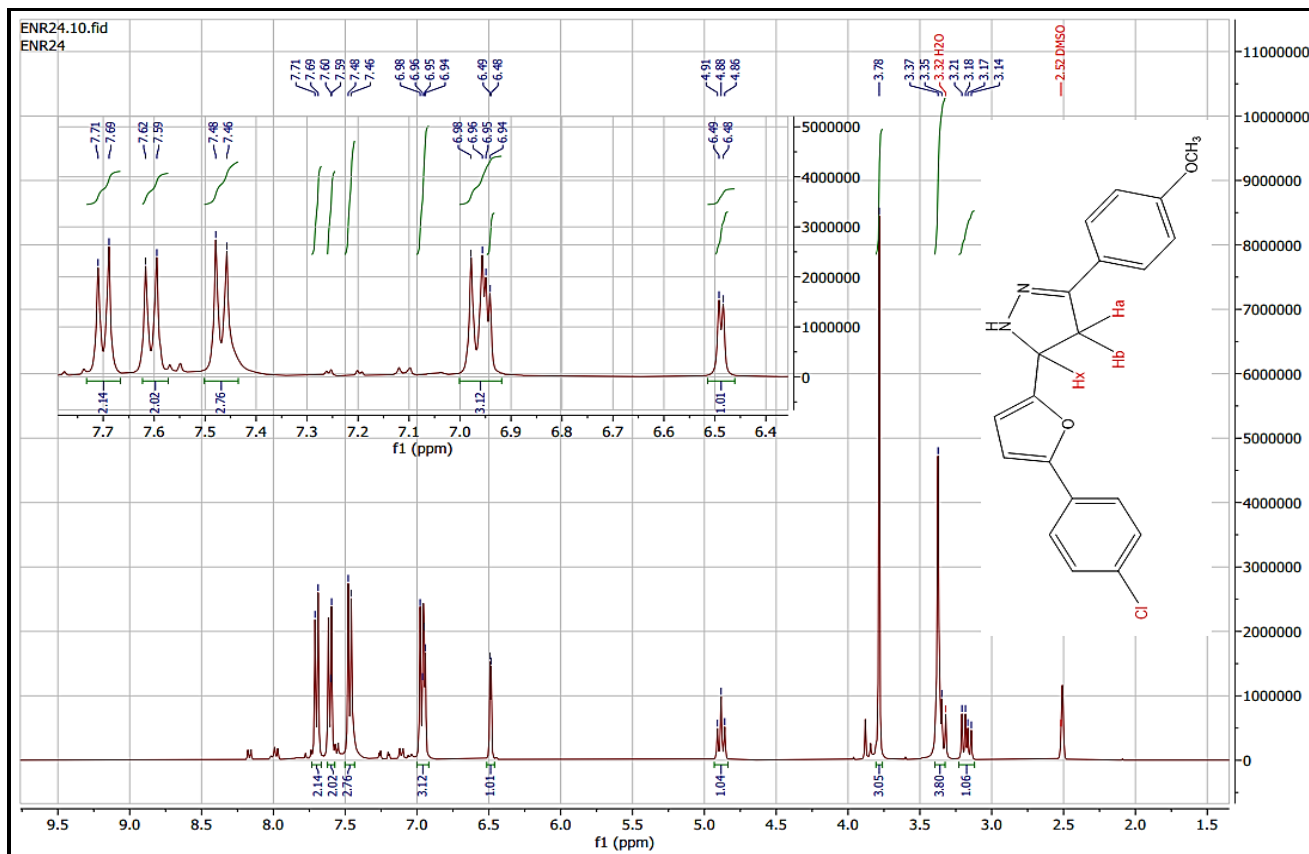
¹H-NMR spectrum of compound 2f



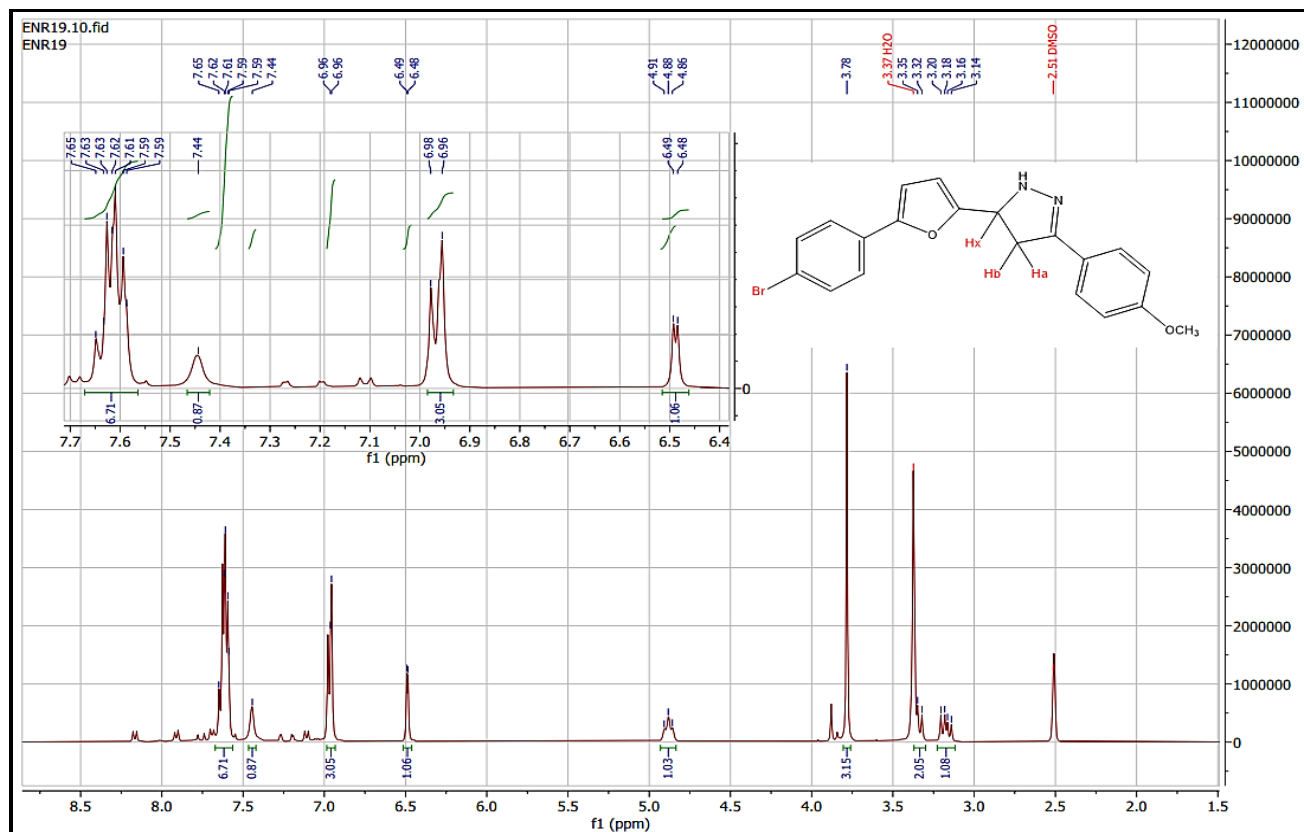
¹H-NMR spectrum of compound 2g



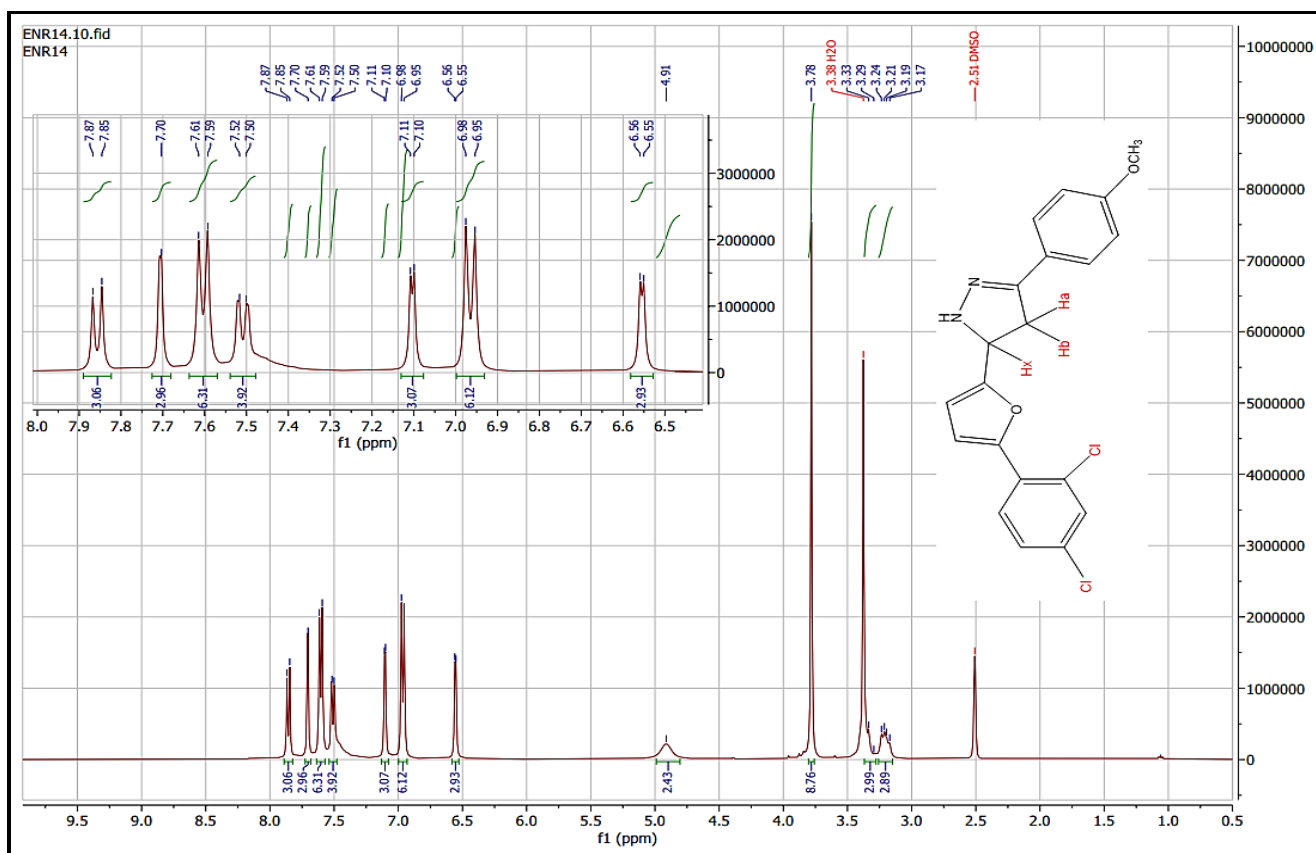
¹H-NMR spectrum of compound 2h



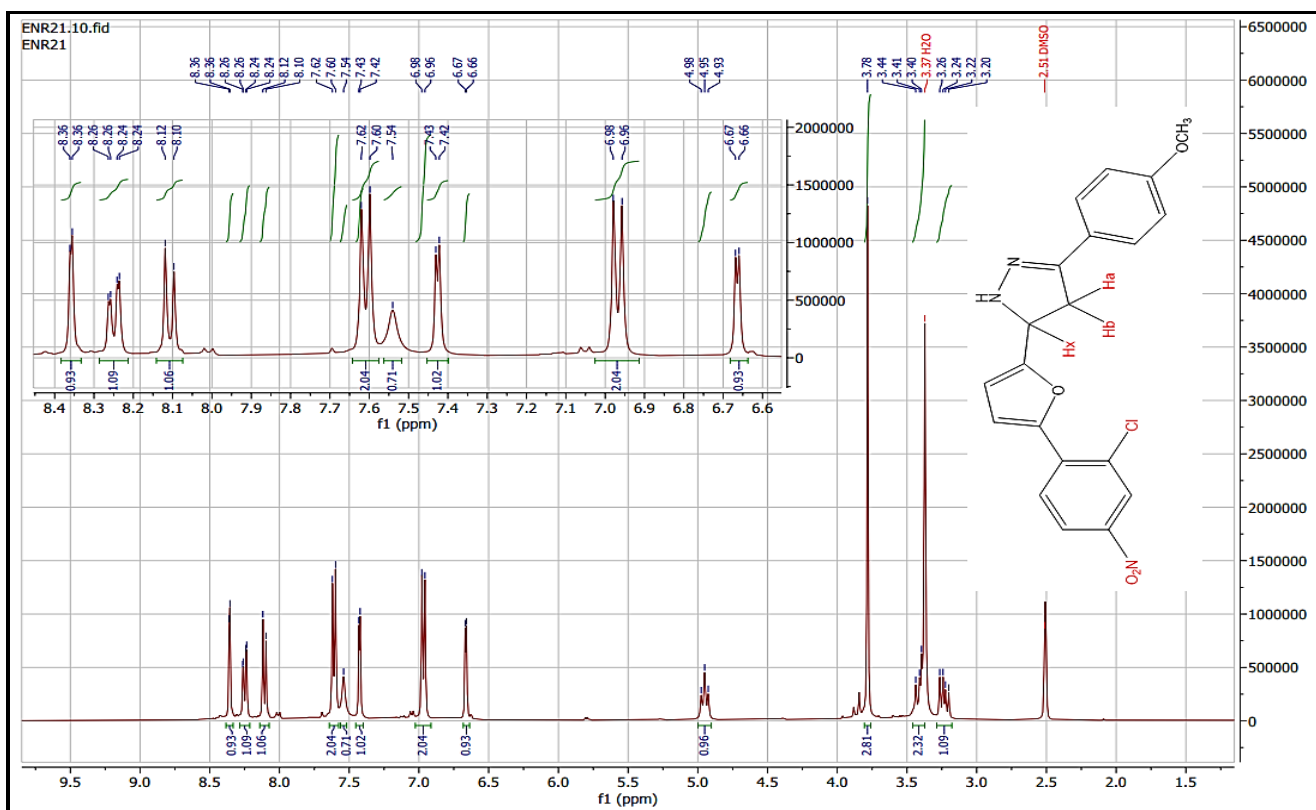
¹H-NMR spectrum of compound 3a



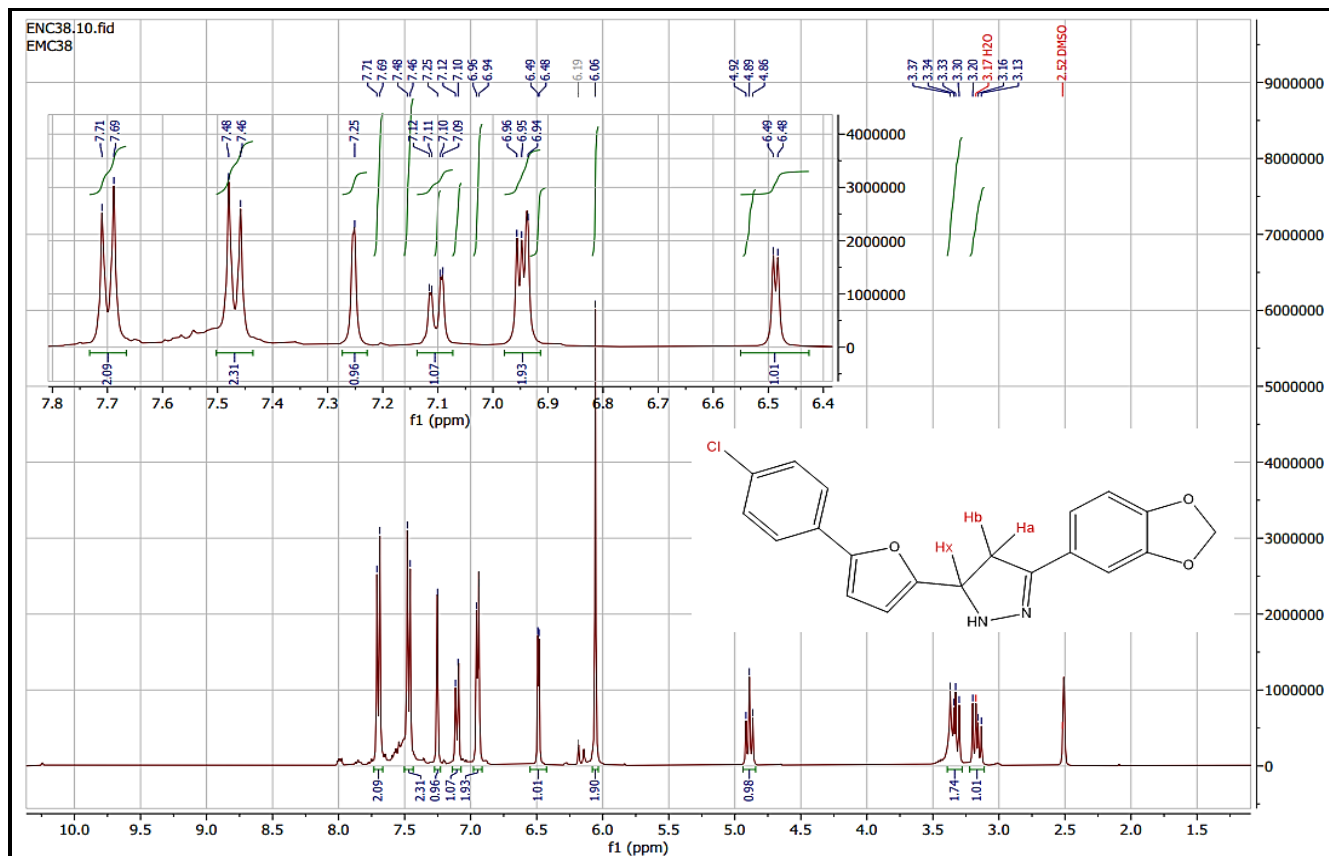
¹H-NMR spectrum of compound 3b



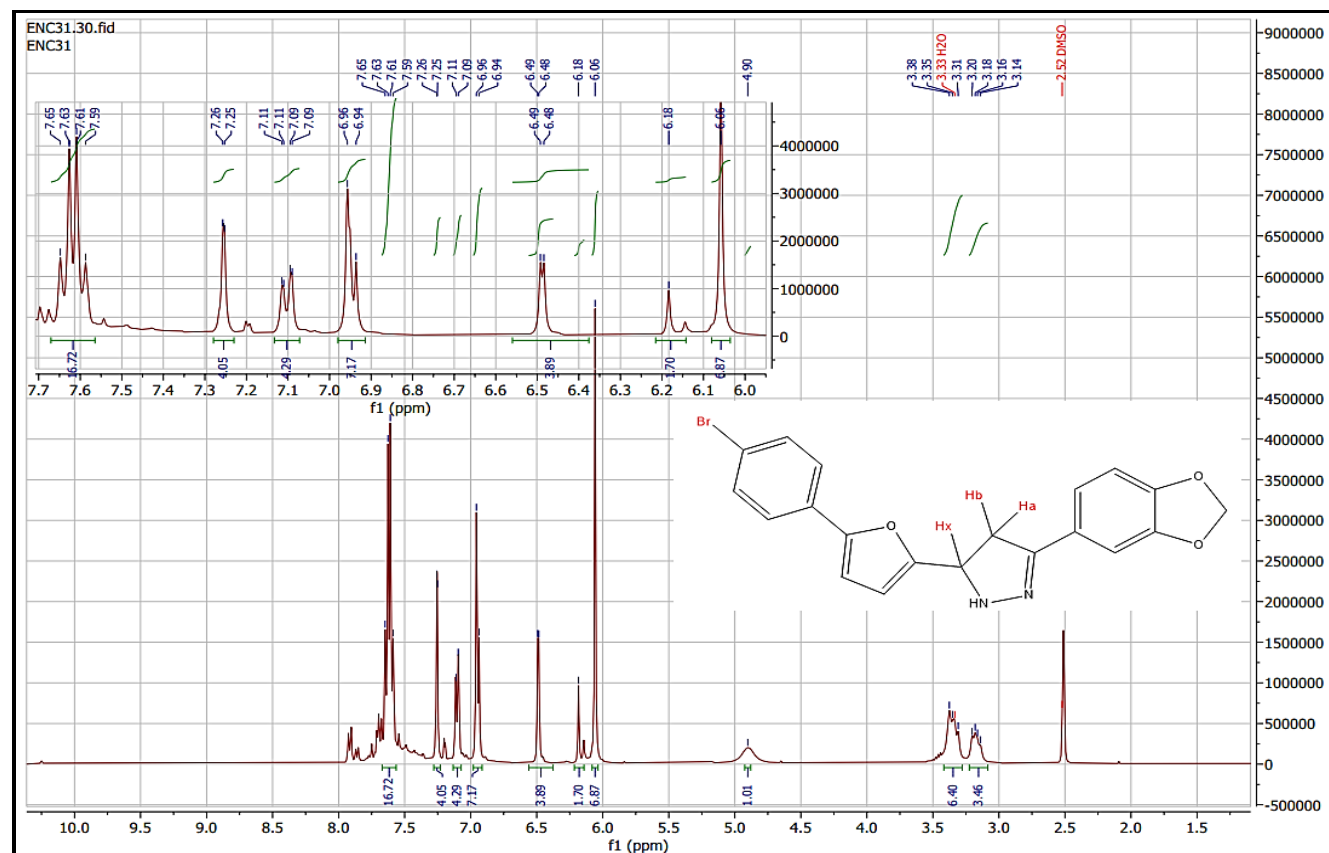
¹H-NMR spectrum of compound 3c



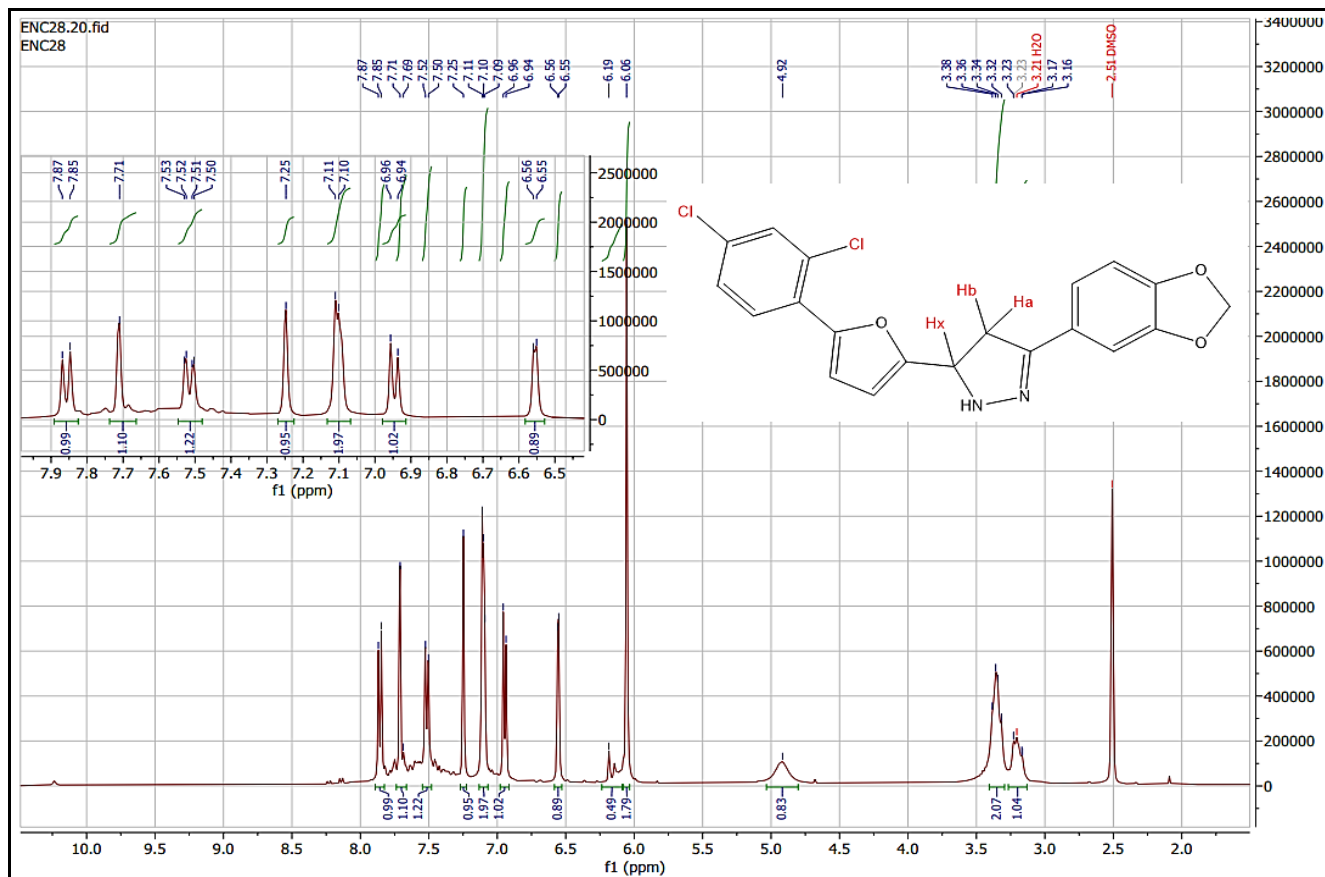
¹H-NMR spectrum of compound 3d



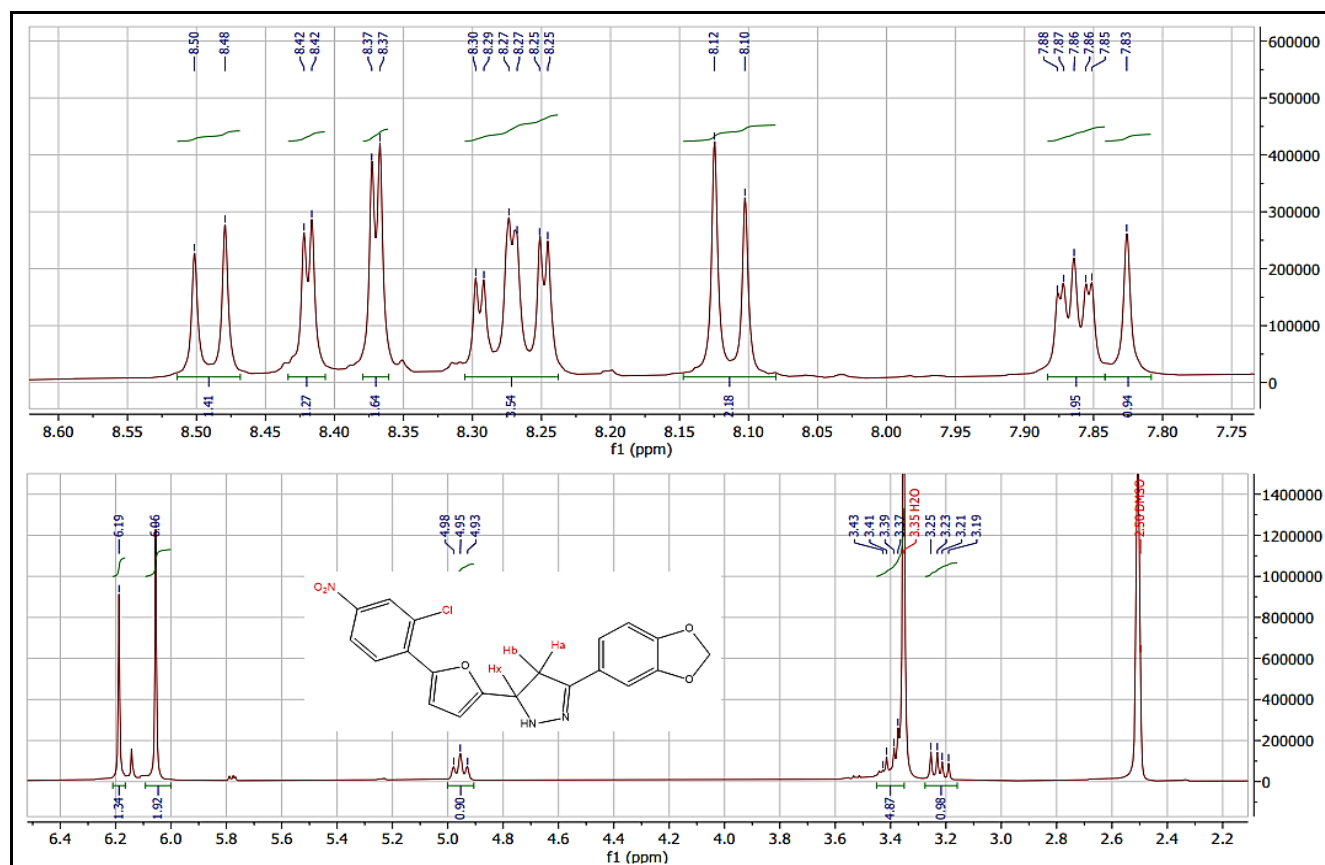
¹H-NMR spectrum of compound 3e



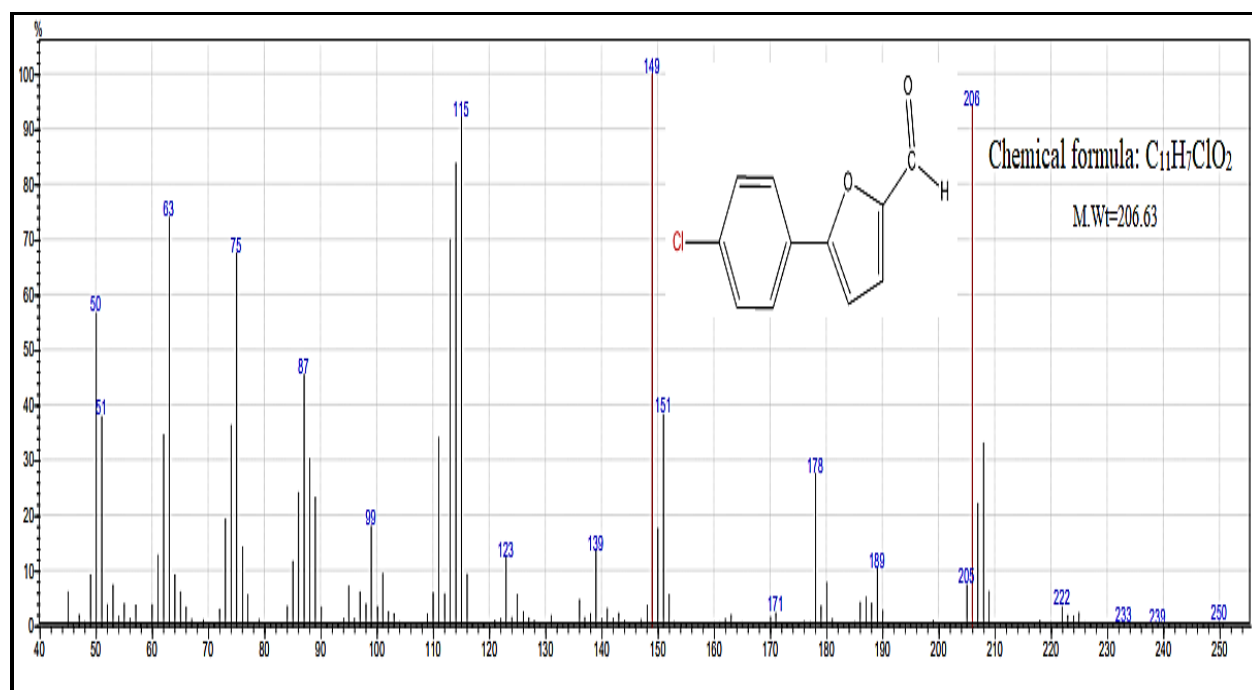
¹H-NMR spectrum of compound 3f



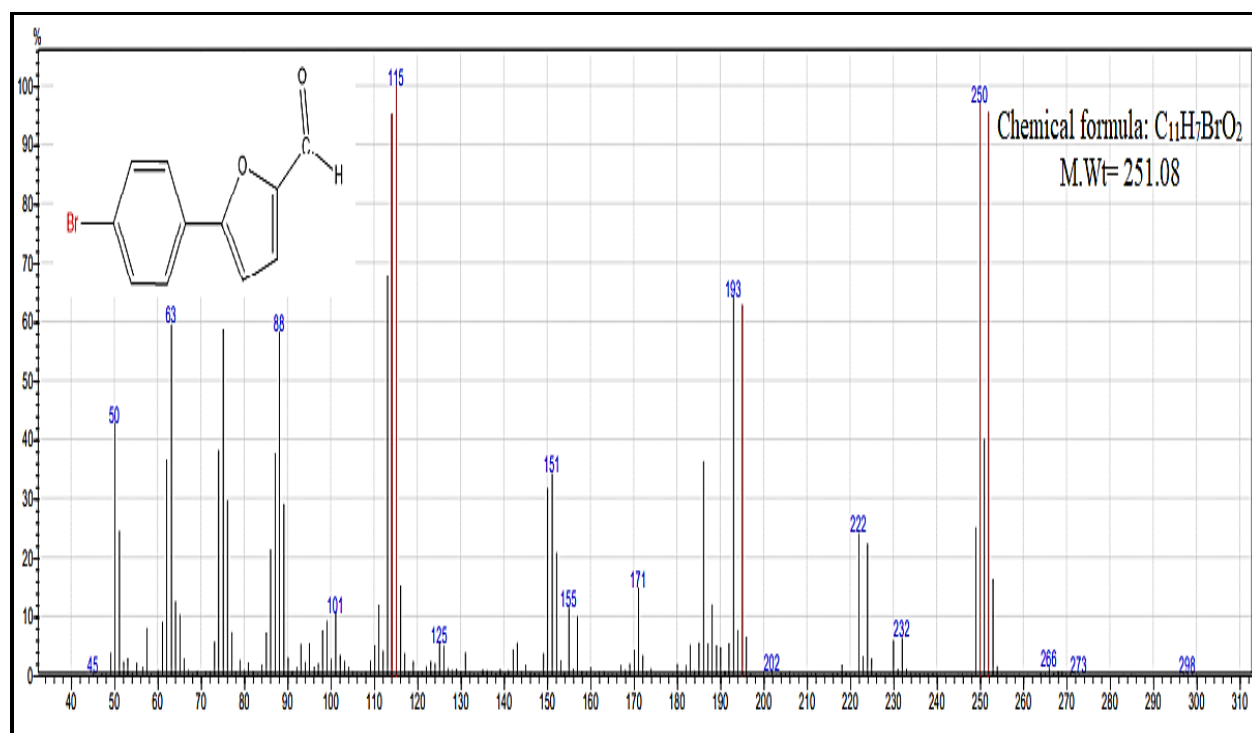
¹H-NMR spectrum of compound 3g



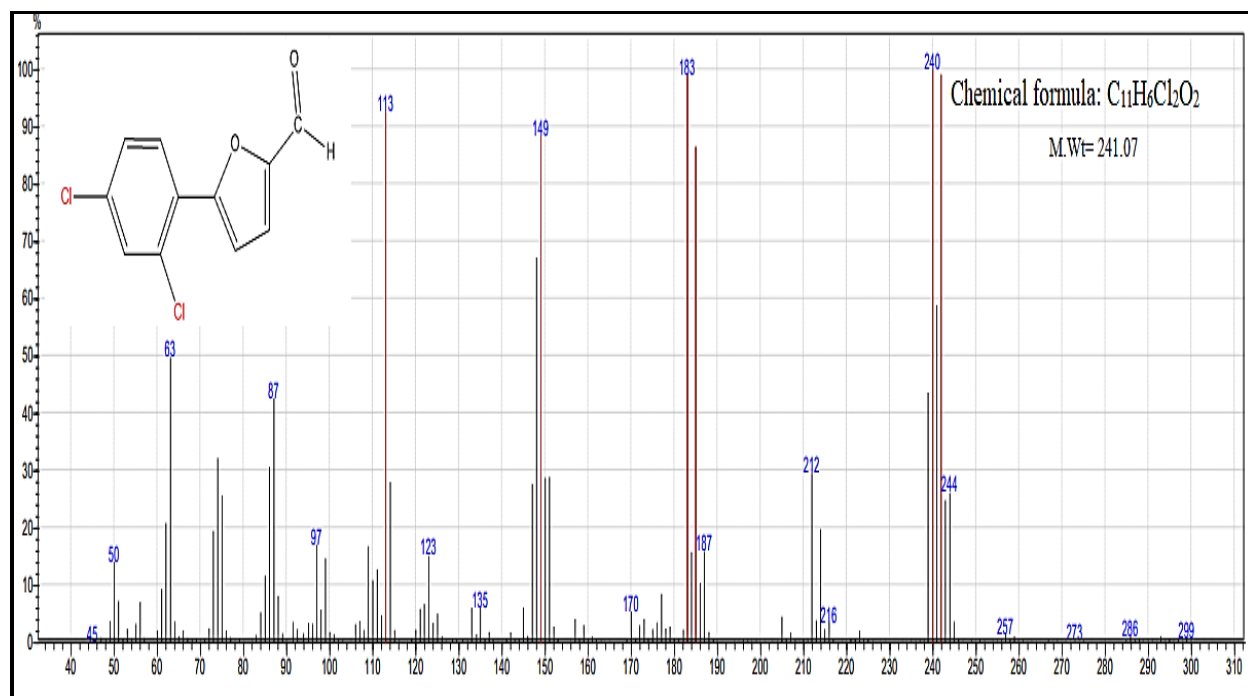
¹H-NMR spectrum of compound 3h



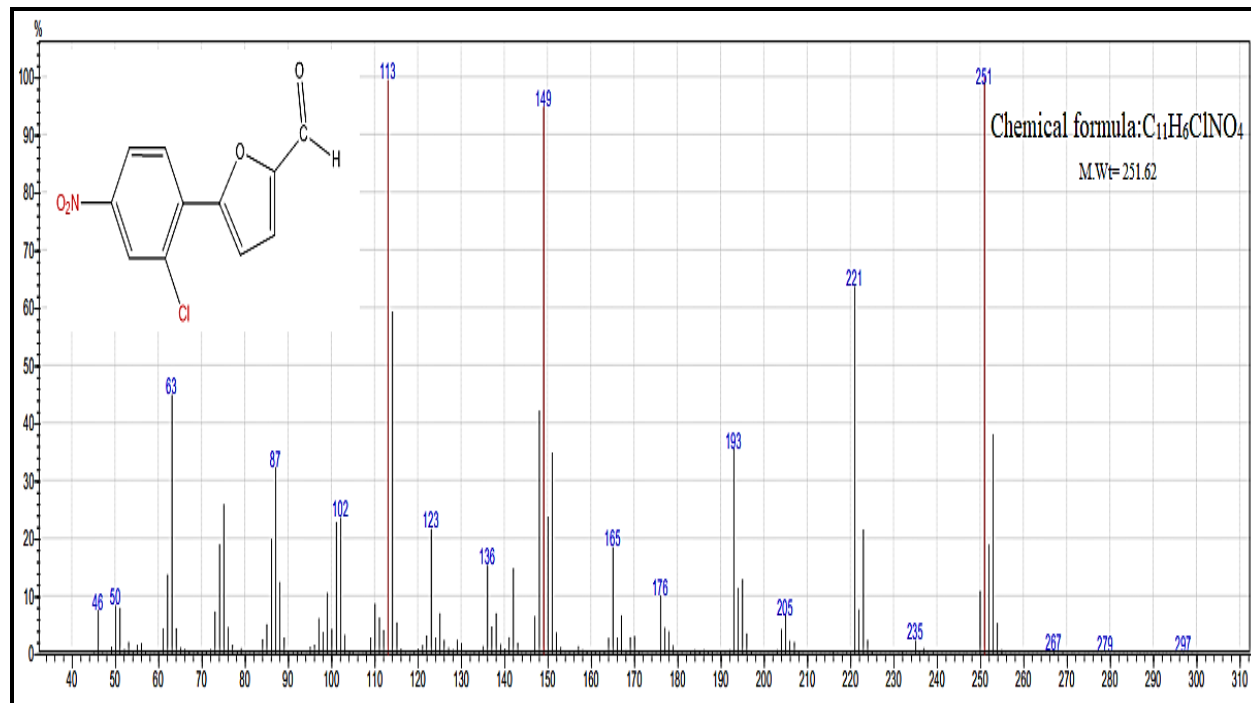
Mass Spectrum of compound 1a



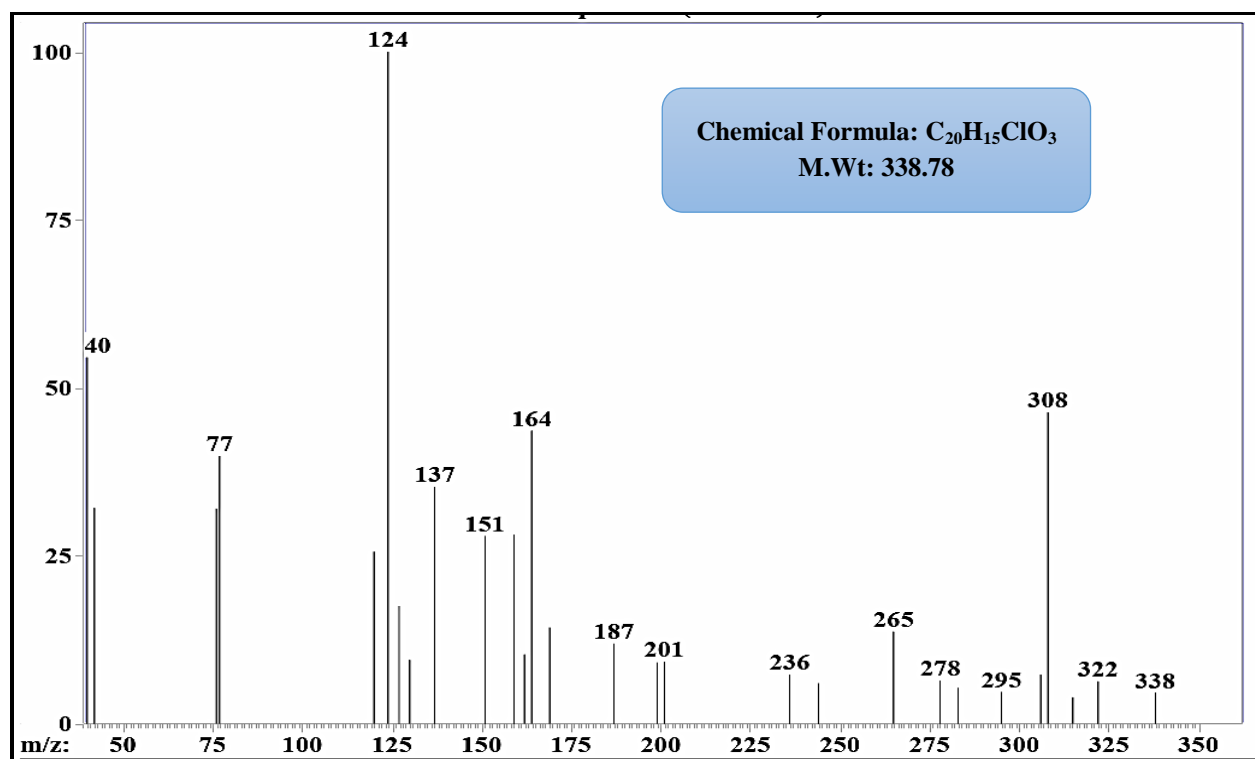
Mass Spectrum of compound 1b



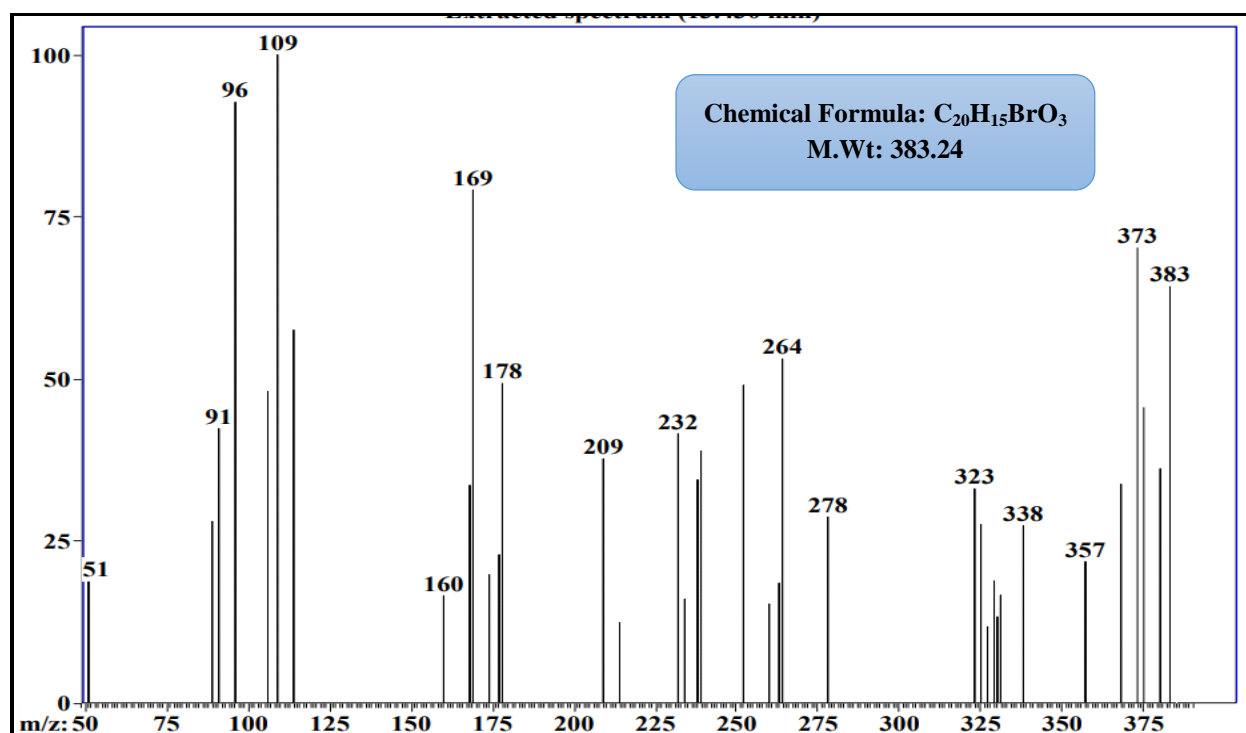
Mass Spectrum of compound 1c



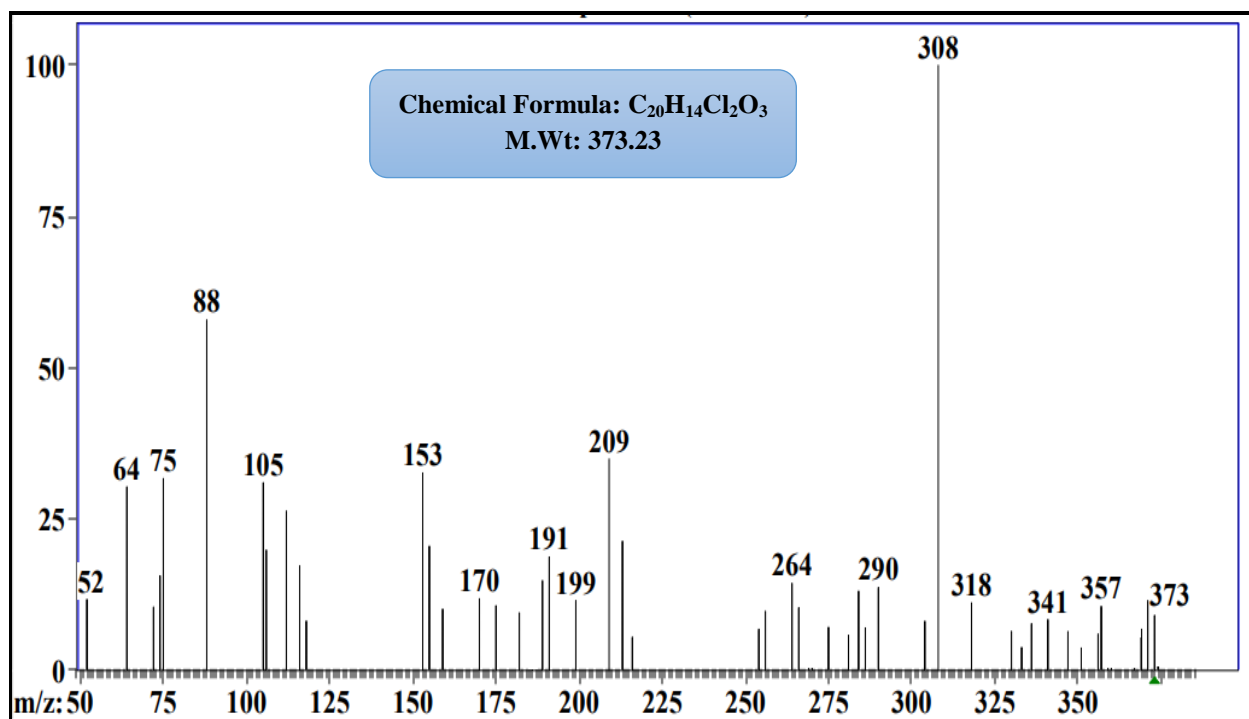
Mass Spectrum of compound 1d



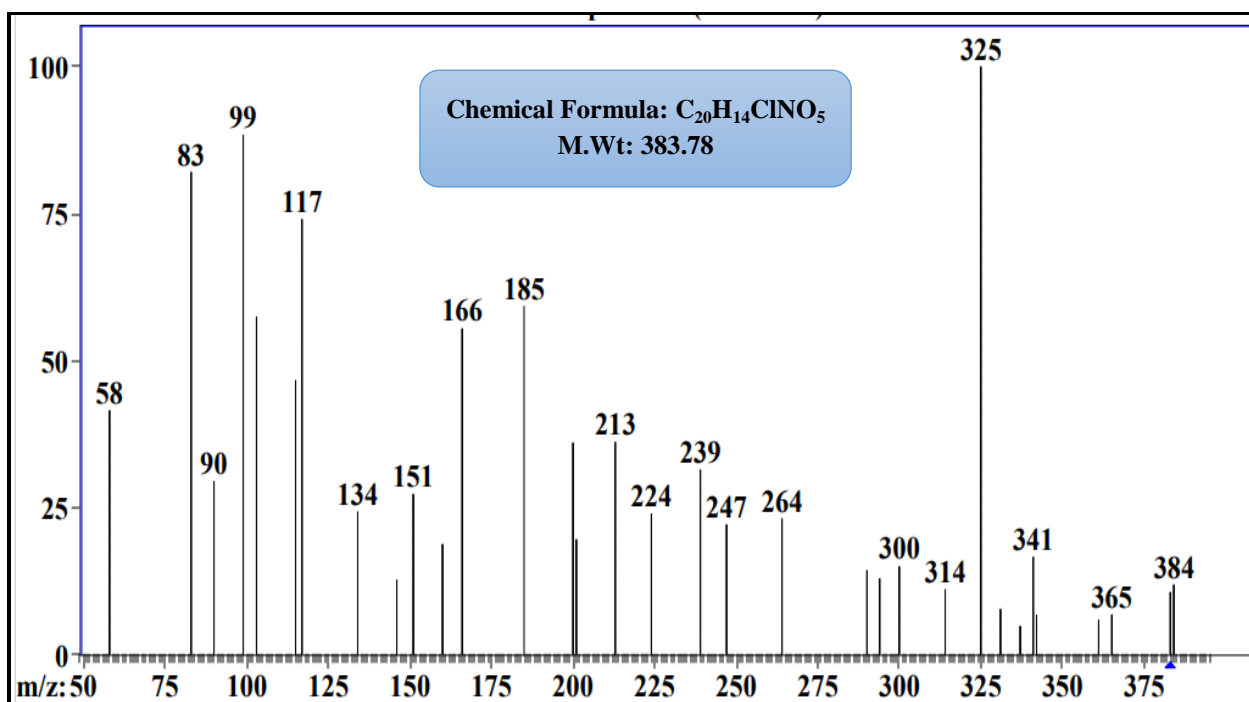
GC-Mass Spectrum of compound 2a



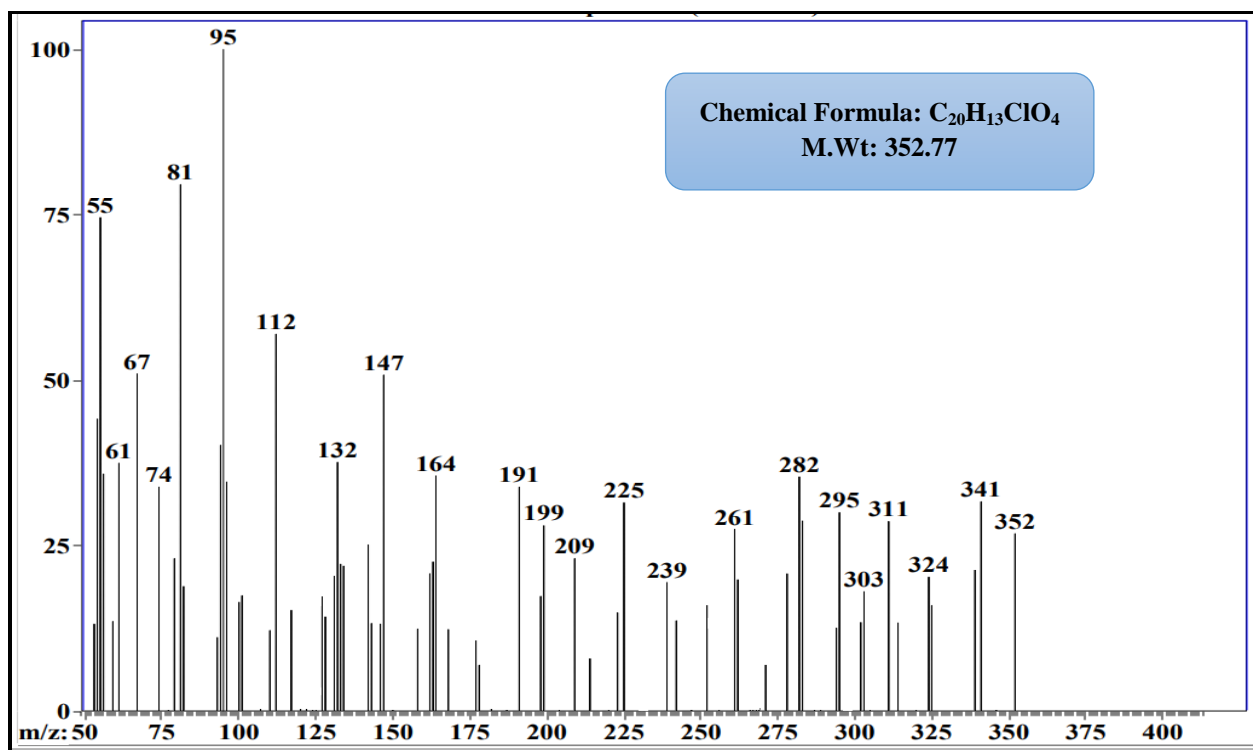
GC-Mass Spectrum of compound 2b



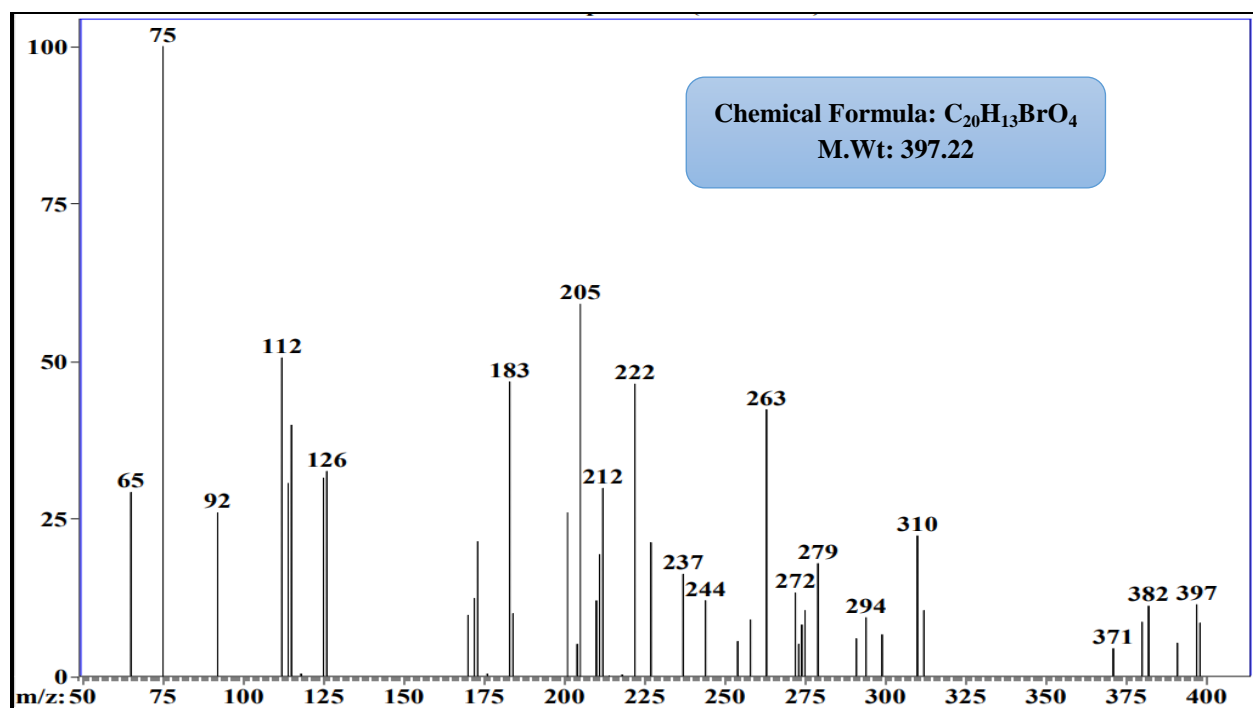
GC-Mass Spectrum of compound 2c



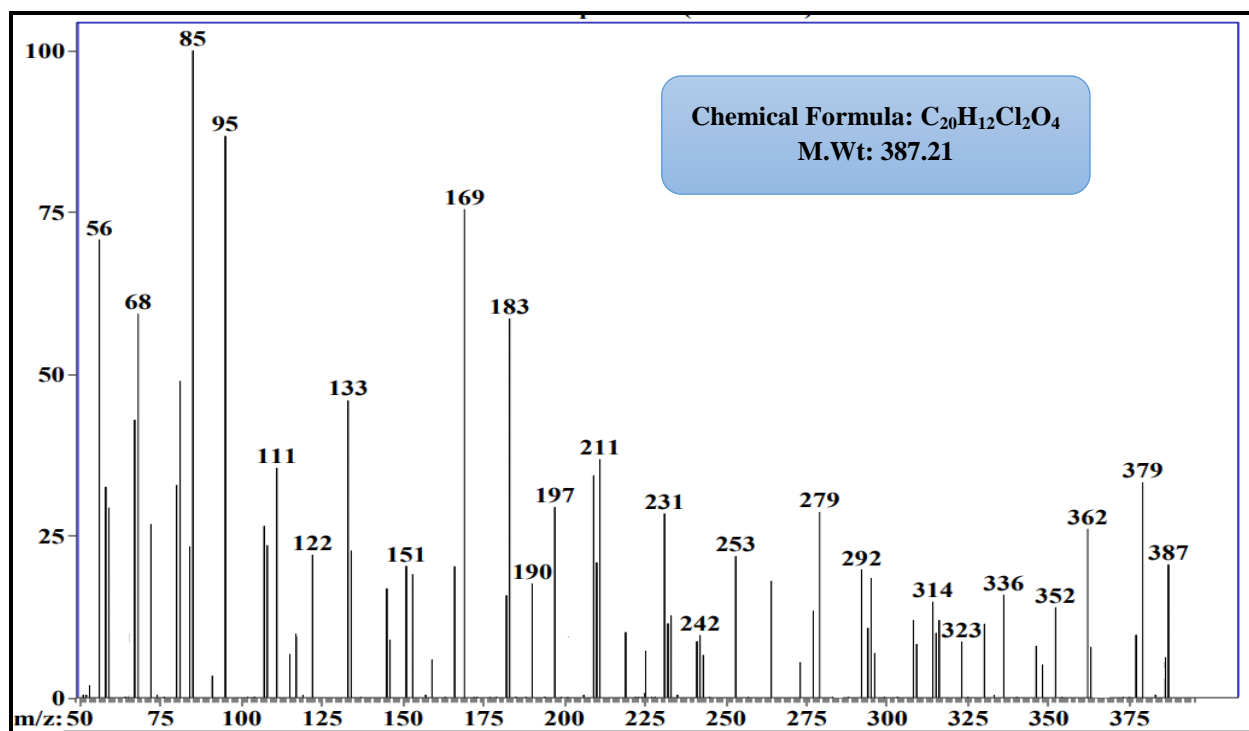
GC-Mass Spectrum of compound 2d



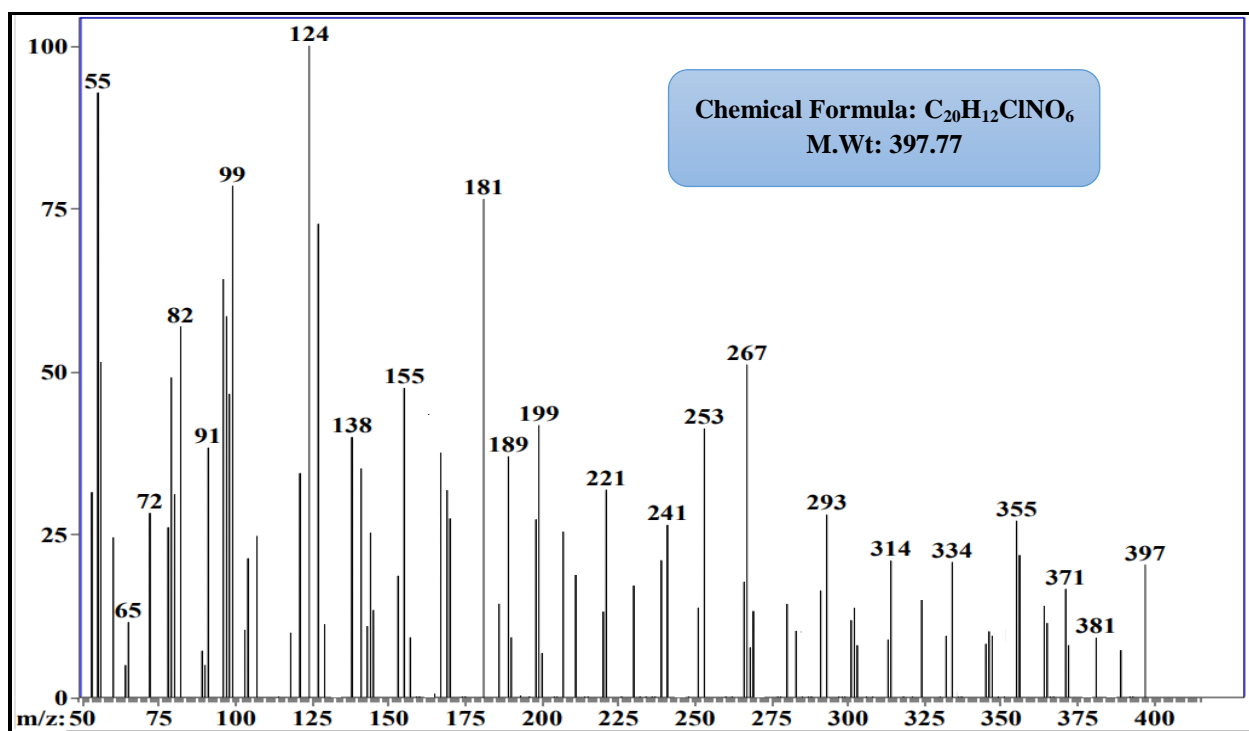
GC-Mass Spectrum of compound 2e



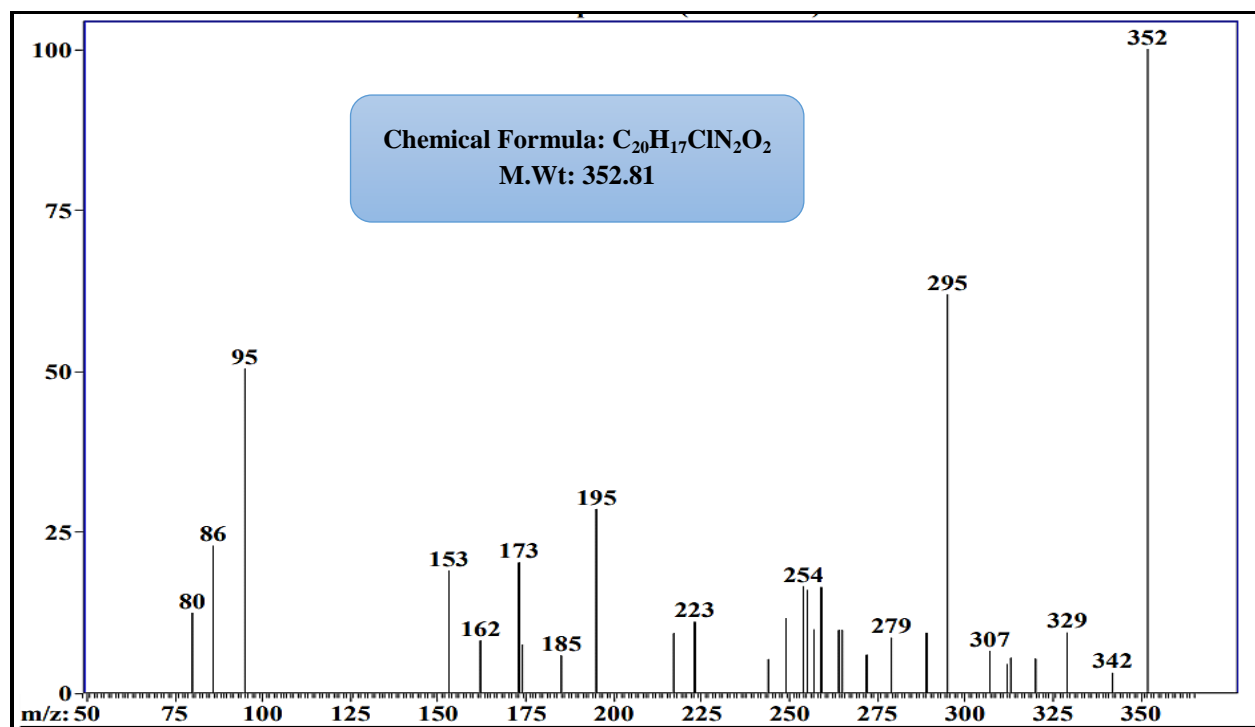
GC-Mass Spectrum of compound 2f



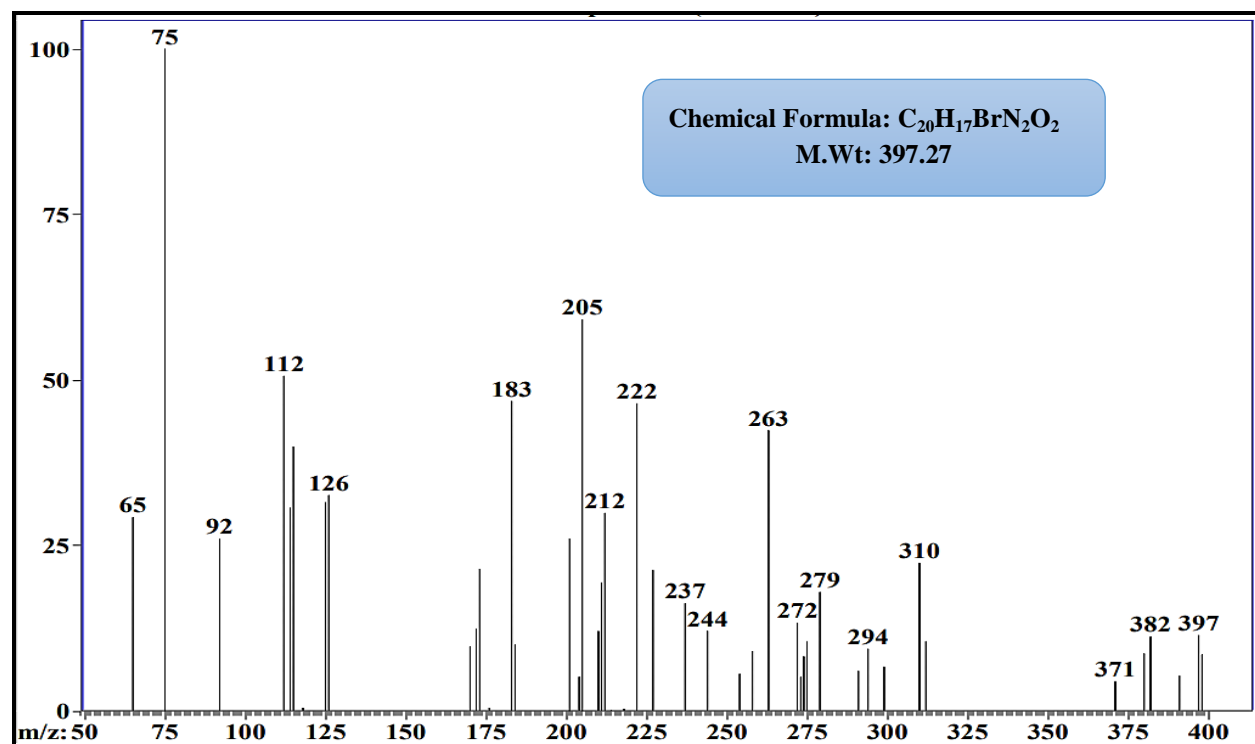
GC-Mass Spectrum of compound 2g



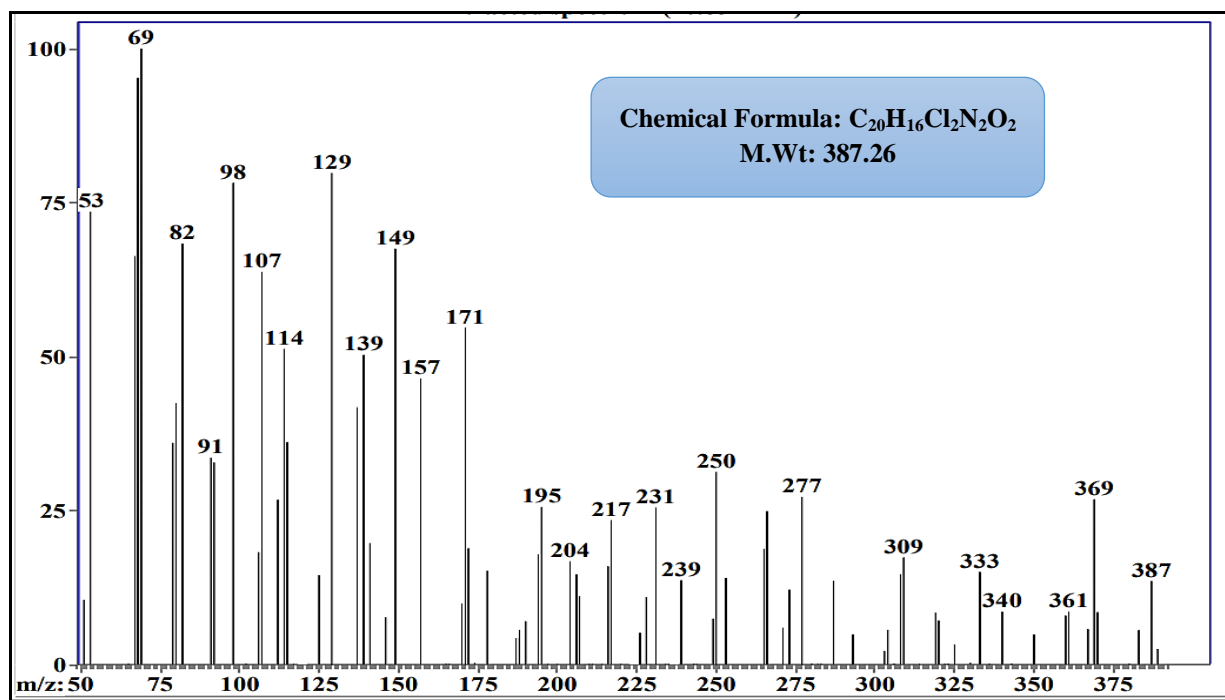
GC-Mass Spectrum of compound 2h



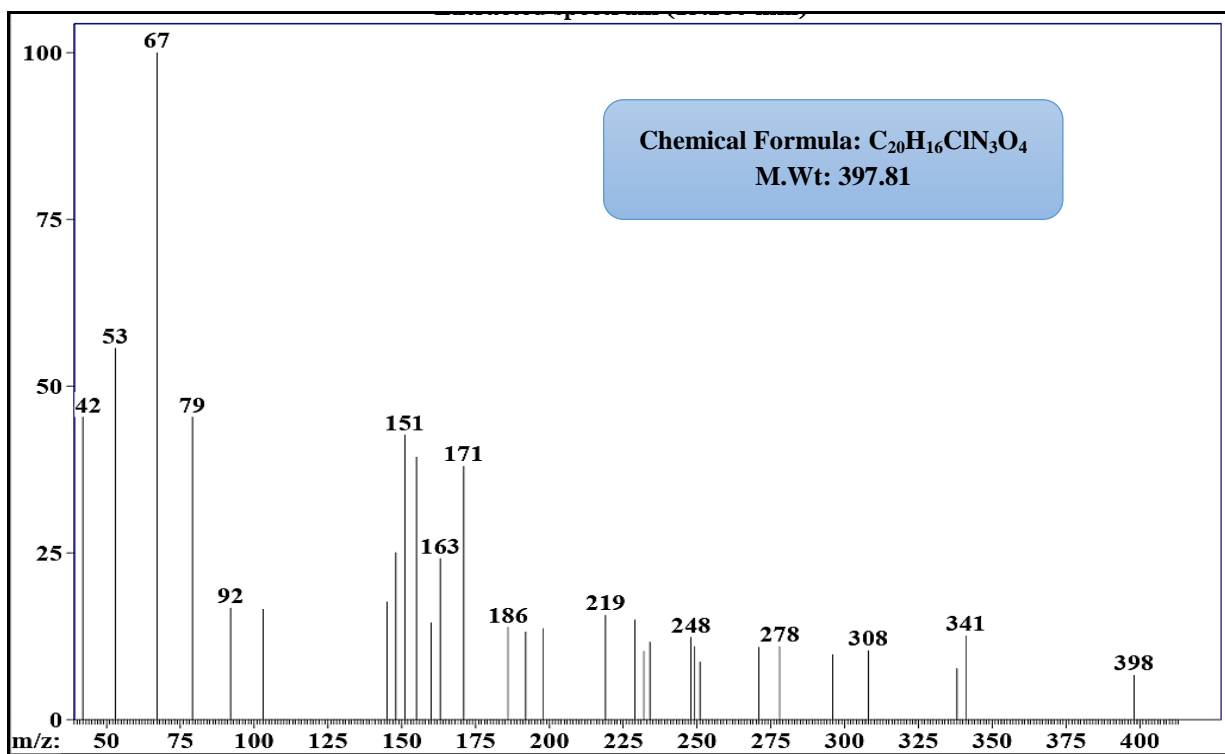
GC-Mass Spectrum of compound 3a



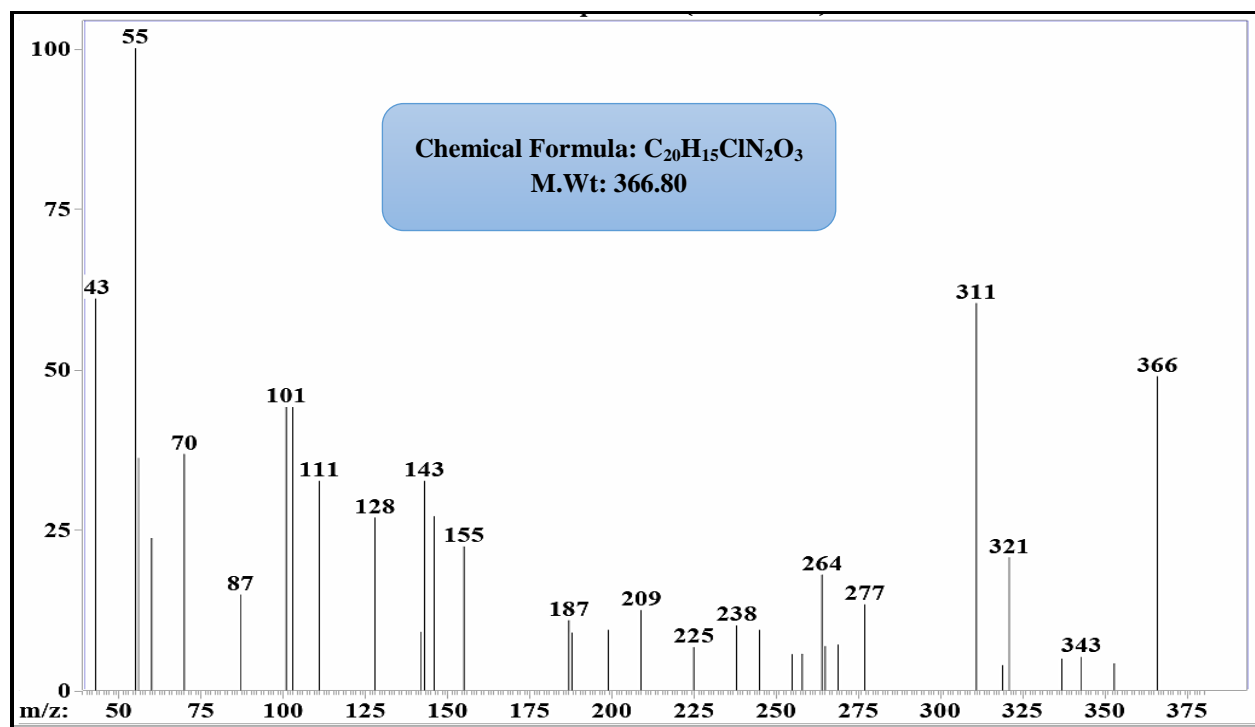
GC-Mass Spectrum of compound 3b



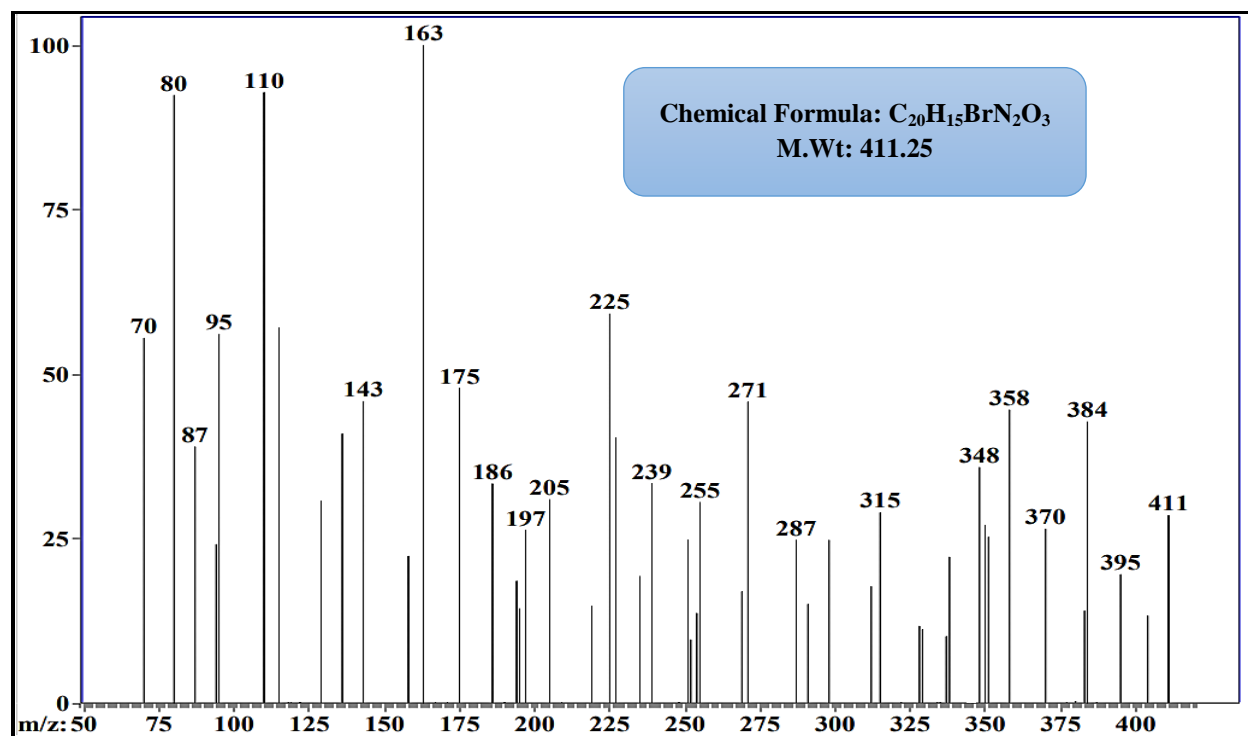
GC-Mass Spectrum of compound 3c



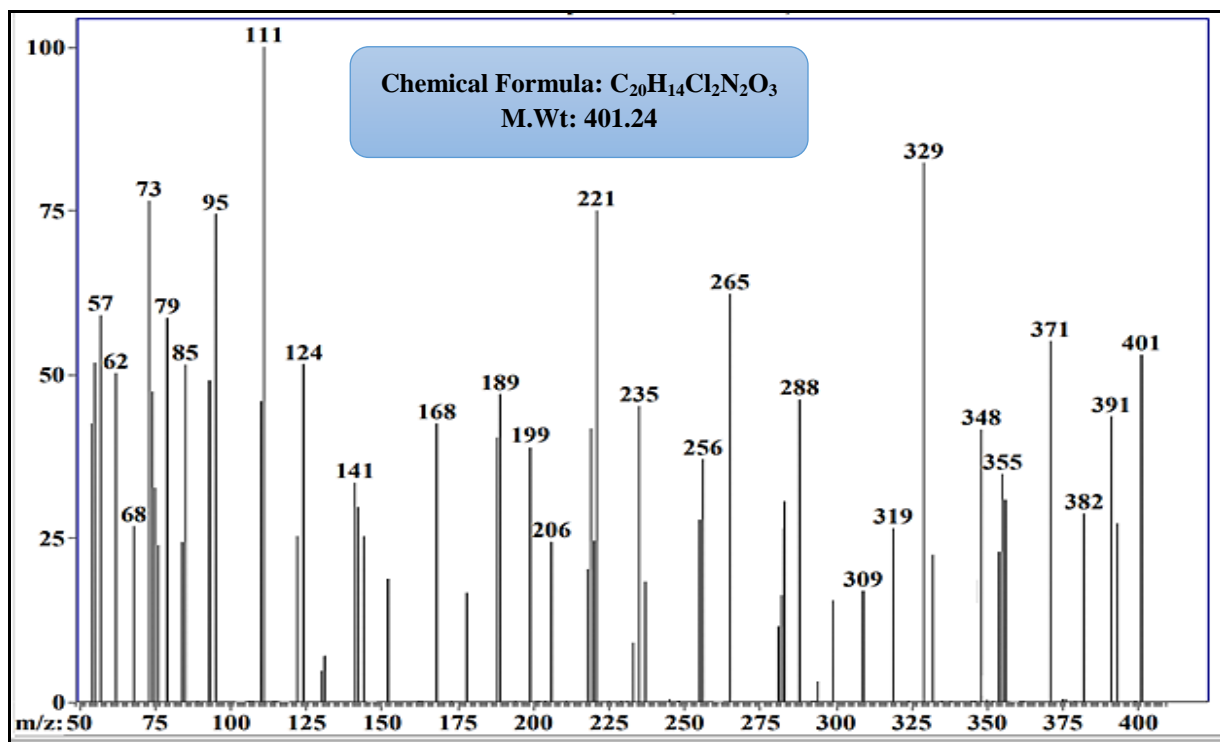
GC-Mass Spectrum of compound 3d



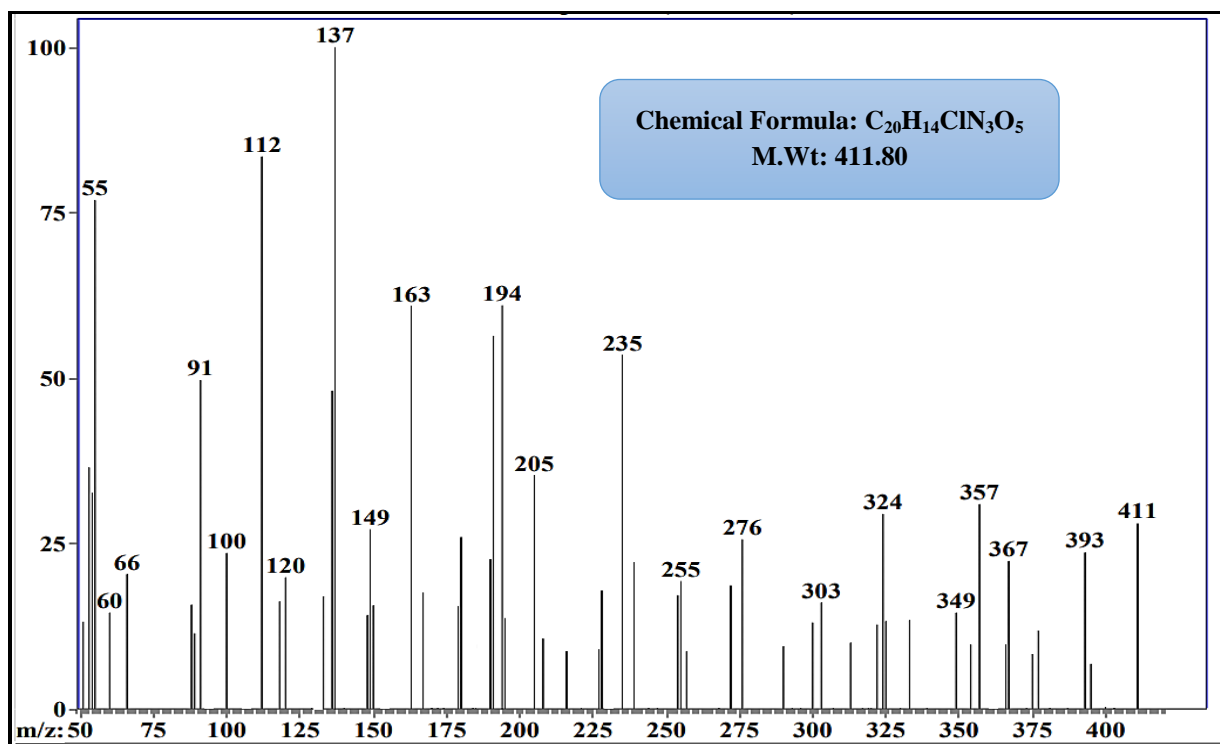
GC-Mass Spectrum of compound 3e



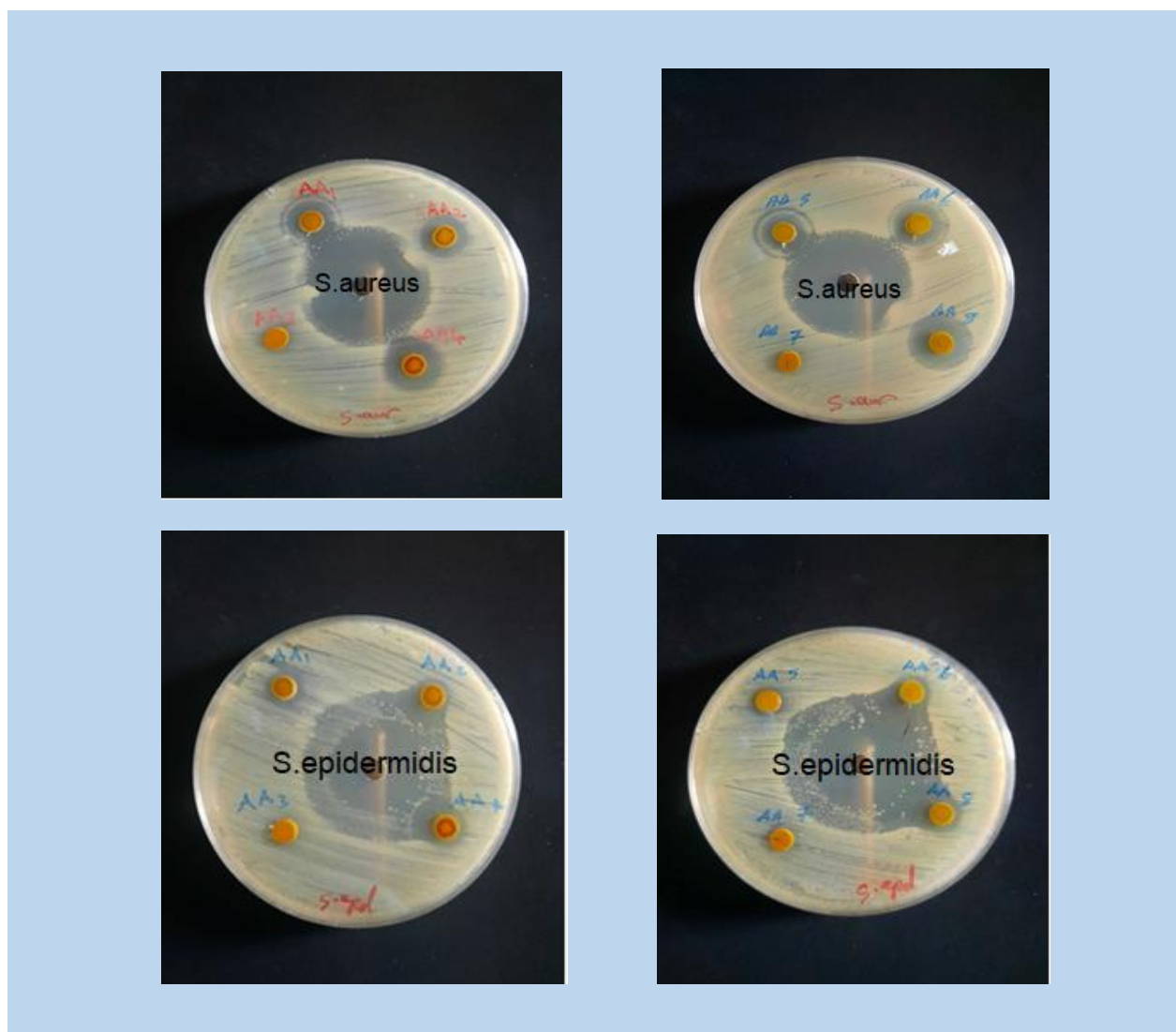
GC-Mass Spectrum of compound 3f



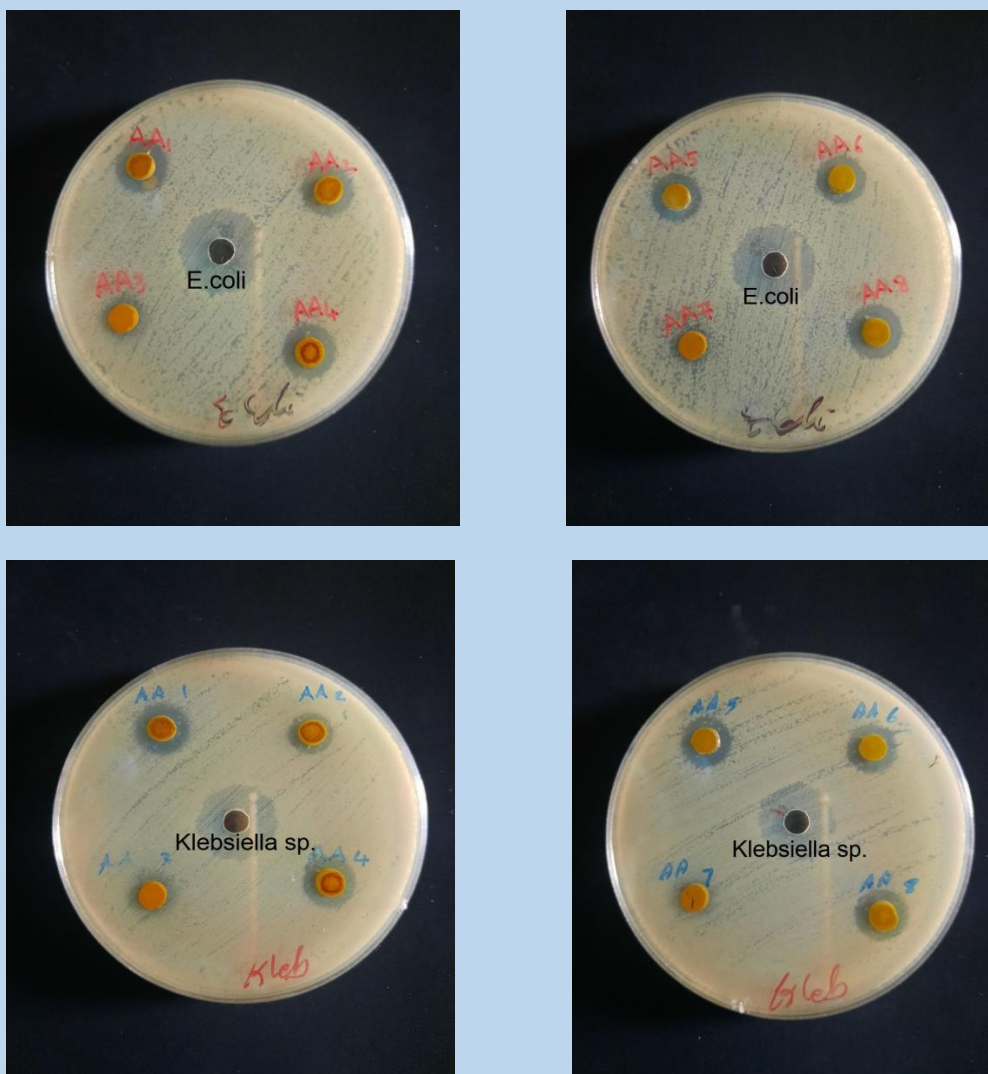
GC-Mass Spectrum of compound 3g



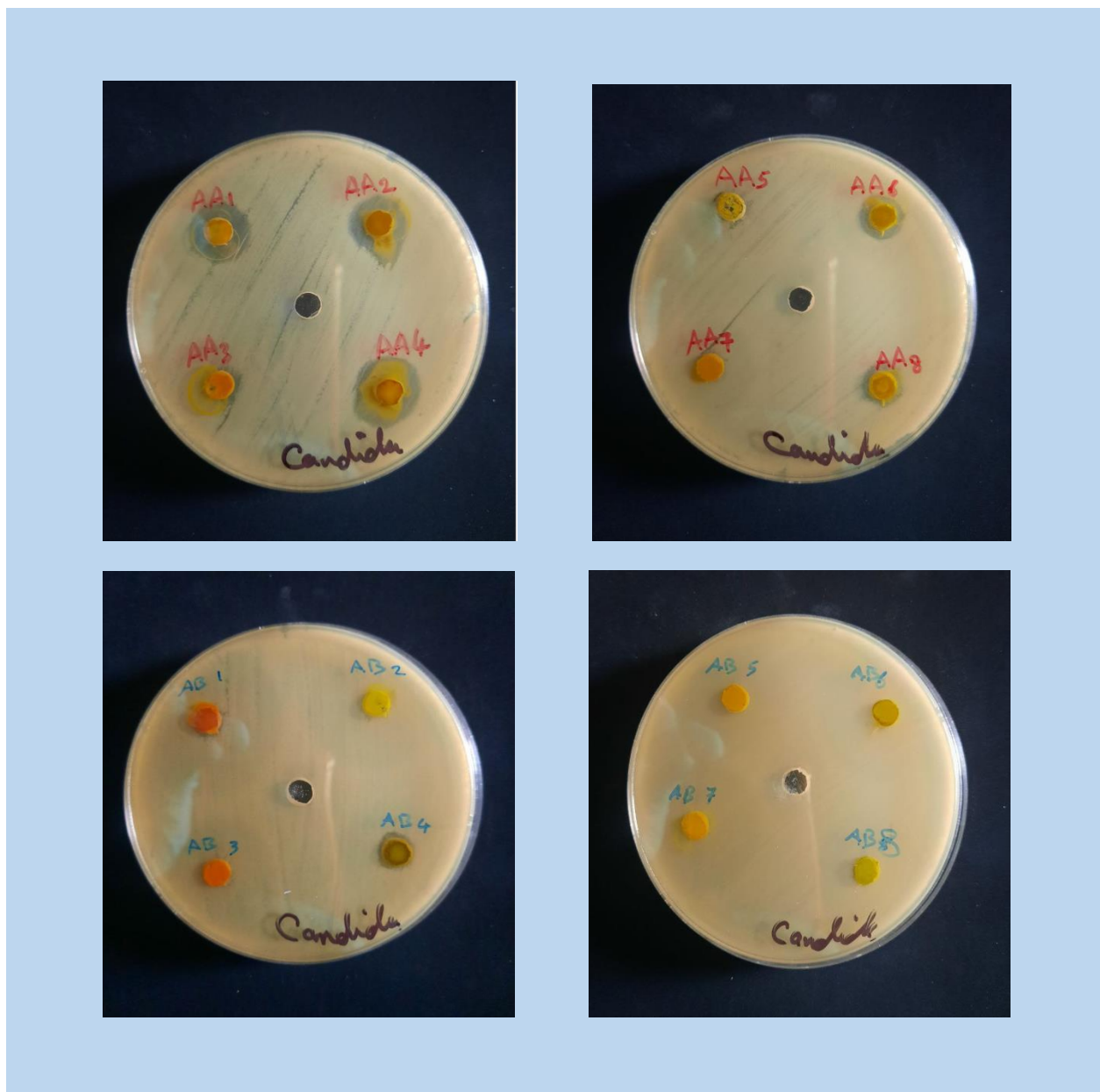
GC-Mass Spectrum of compound 3h



Inhibition zone of compounds 2a-h (AA1-AA8) against *Staphylococcus aureus* and *Staphylococcus epidermidis* (gram+ve).



Inhibition zone of compounds 2a-h (AA1-AA8) against *Escherichia coli* and *klebsiella* sp. (gram-ve)



Inhibition zone of compounds 2a-h (AA1-AA8) and 3a-h (AB1-AB8) against *Candida albicans*

Docking parameters of compounds 2a, 2h and 3d

Compounds	Conformers	Binding Energy (Kcal mol ⁻¹)	Inhibition constant (μM)	Intermolecular energy (kcalmol ⁻¹)	H-bonds	Bonding
2a	1	-7.91	1.60	- 9.40	3	SER303:HG:LIG:O SER401:HG:LIG:O GLN348:HN:LIG:O
	2	-7.91	1.58	- 9.41	3	SER303:HG:LIG:O SER401:HG:LIG:O GLN348:HN:LIG:O
	3	-7.72	2.20	- 9.21	3	SER303:HG:LIG:O SER401:HG:LIG:O GLN348:HN:LIG:O
	4	-7.70	2.25	- 9.20	3	SER303:HG:LIG:O SER401:HG:LIG:O GLN348:HN:LIG:O
	5	-7.70	2.26	- 9.19	3	SER303:HG:LIG:O SER401:HG:LIG:O GLN348:HN:LIG:O
	6	-7.66	2.44	- 9.15	2	SER401:HG:LIG:O GLN348:HN:LIG:O
	7	-7.55	2.91	- 9.04	3	SER303:HG:LIG:O SER401:HG:LIG:O GLN348:HN:LIG:O
	8	-7.53	3.01	- 9.02	3	SER303:HG:LIG:O SER401:HG:LIG:O GLN348:HN:LIG:O
	9	-7.37	3.94	- 8.87	3	THR352:HG1:LIG:O SER401:HG:LIG:O LYS603:HZ3:LIG:O
	10	-7.36	4.02	- 8.85	2	THR352:HG1:LIG:O LYS603:HZ3:LIG:O

Compounds	Conformers	Binding Energy (Kcal mol ⁻¹)	Inhibition constant (μM)	Intermolecular energy (kcalmol ⁻¹)	H-bonds	Bonding
2h	1	-8.31	0.80 *10 ⁻³	- 9.80	4	SER401:HG:LIG:O ALA602:HN: LIG:O SER401:HN:LIG:O VAL607:HN: LIG:O
	2	-8.12	1.12	- 9.61	4	SER401:HG:LIG:O ALA602:HN: LIG:O SER401:HN:LIG:O VAL607:HN: LIG:O
	3	-7.98	1.42	- 9.47	4	ASN600:HD22:LIG:O ALA602:HN:LIG:O SER401:HN:LIG:O SER401:HG:LIG:O
	4	-7.69	2.30	- 9.18	2	ASN305:HD22:LIG:O LYS603:HZ3:LIG:O
	5	-7.52	3.10	- 9.01	3	SER349:HN:LIG:O GLN348:HN:LIG:O SER401:HG:LIG:O
	6	-7.34	4.18	- 8.83	2	SER349:HN:LIG:O SER401:HG:LIG:O
	7	-7.32	4.31	- 8.81	2	GLN348:HN:LIG:O SER401:HG:LIG:O
	8	-7.08	6.45	- 8.57	2	SER401:HG:LIG:O SER349:HN:LIG:O
	9	-6.89	8.83	- 8.39	2	THR352:HG1:LIG:O LYS603:HZ3:LIG:O
	10	-6.65	13.44	- 8.14	2	GLN348:HN:LIG:O SER349:HN:LIG:O

Compounds	Conformers	Binding Energy (Kcal mol ⁻¹)	Inhibition constant (μM)	Intermolecular energy (kcalmol ⁻¹)	H-bonds	Bonding
3d	1	-7.45	2.96	- 9.03	1	THR352:HG1: LIG:O
	2	-7.51	3.11	- 9.00	1	THR352:HG1: LIG:O
	3	-7.49	3.23	- 8.98	1	THR352:HG1: LIG:O
	4	-7.47	3.36	- 8.96	2	GLY301:HN: LIG:O GLN348:HN:LIG:O
	5	-7.47	3.33	- 8.96	1	THR352:HG1: LIG:O
	6	-7.37	3.93	- 8.87	3	GLN348:HN:LIG:O THR352:HG1:LIG:O SER303:HG:LIG:O
	7	-7.26	4.79	- 8.75	4	THR352:HG1:LIG:O SER303:HG:LIG:O GLN348:HN:LIG:O GLY301:HN: LIG:O
	8	-7.21	5.22	- 8.70	2	CYS300:HN: LIG:O THR352:HG1:LIG:O
	9	-6.82	10.03	- 8.31	2	GLN348:HN:LIG:O SER349:HN:LIG:O
	10	-6.77	10.85	- 8.26	3	GLN348:HN:LIG:O SER349:HN:LIG:O ASP354:HN: LIG:O