

Electronic Supplementary Information

Structural investigation on toluene-3,4-dithiolatoantimony(III) alkyldithiocarbonate complexes: thermal, powder XRD and biological studies

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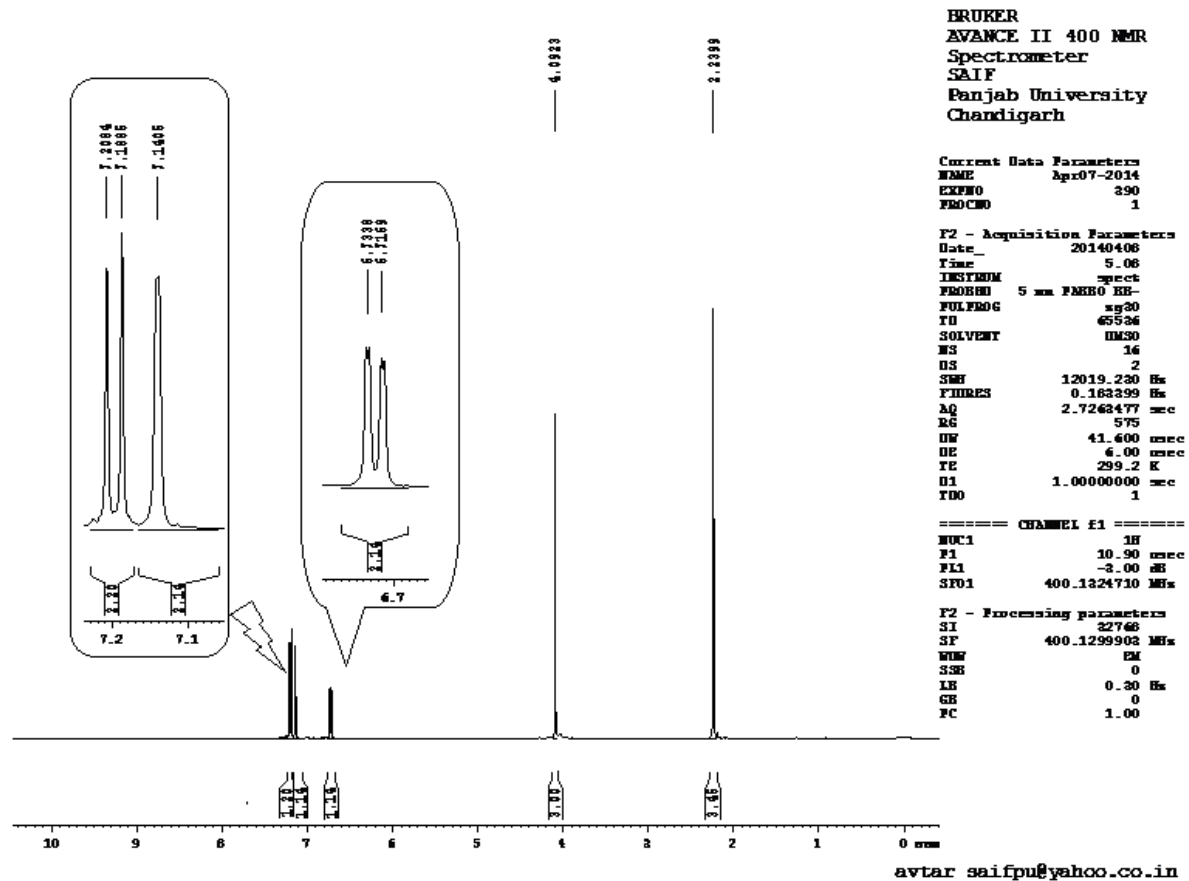


Figure S1. ¹H NMR spectrum of Compound 1.

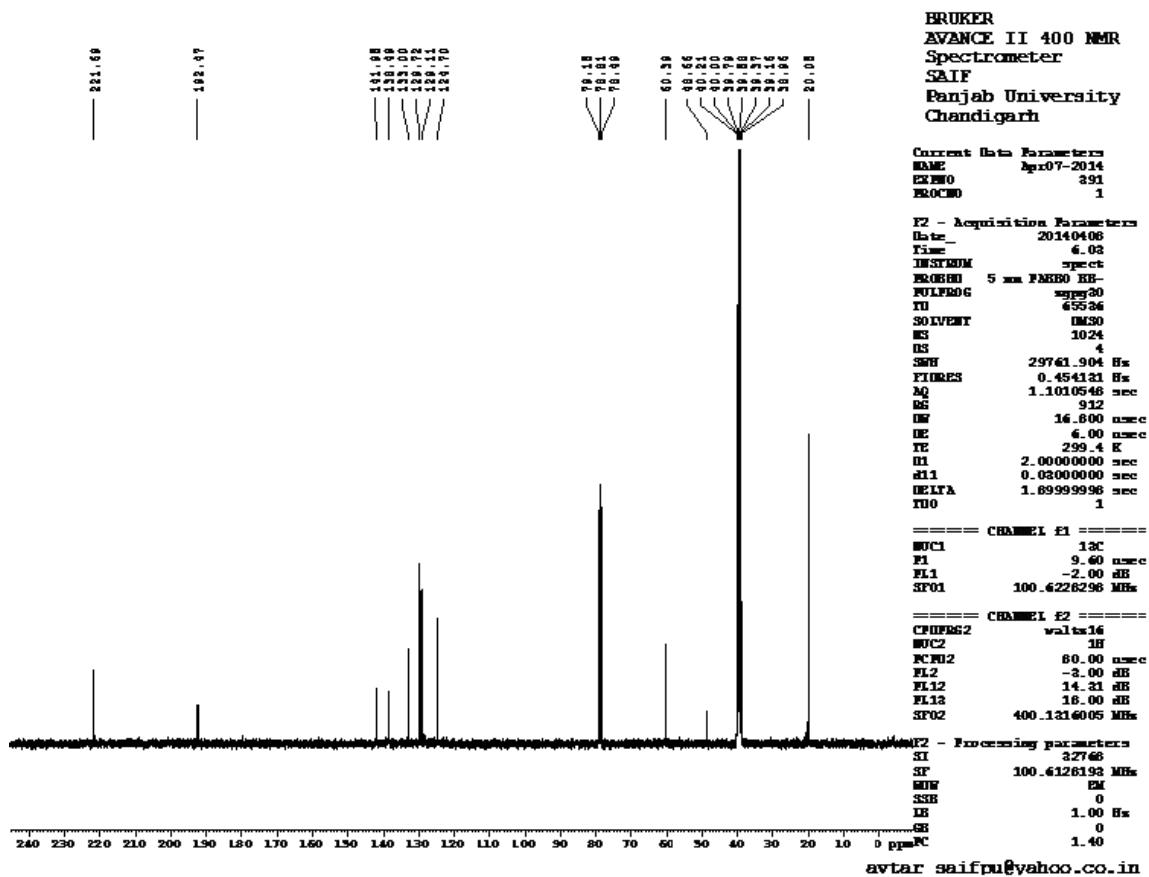


Figure S2. ^{13}C NMR spectrum of Compound 1.

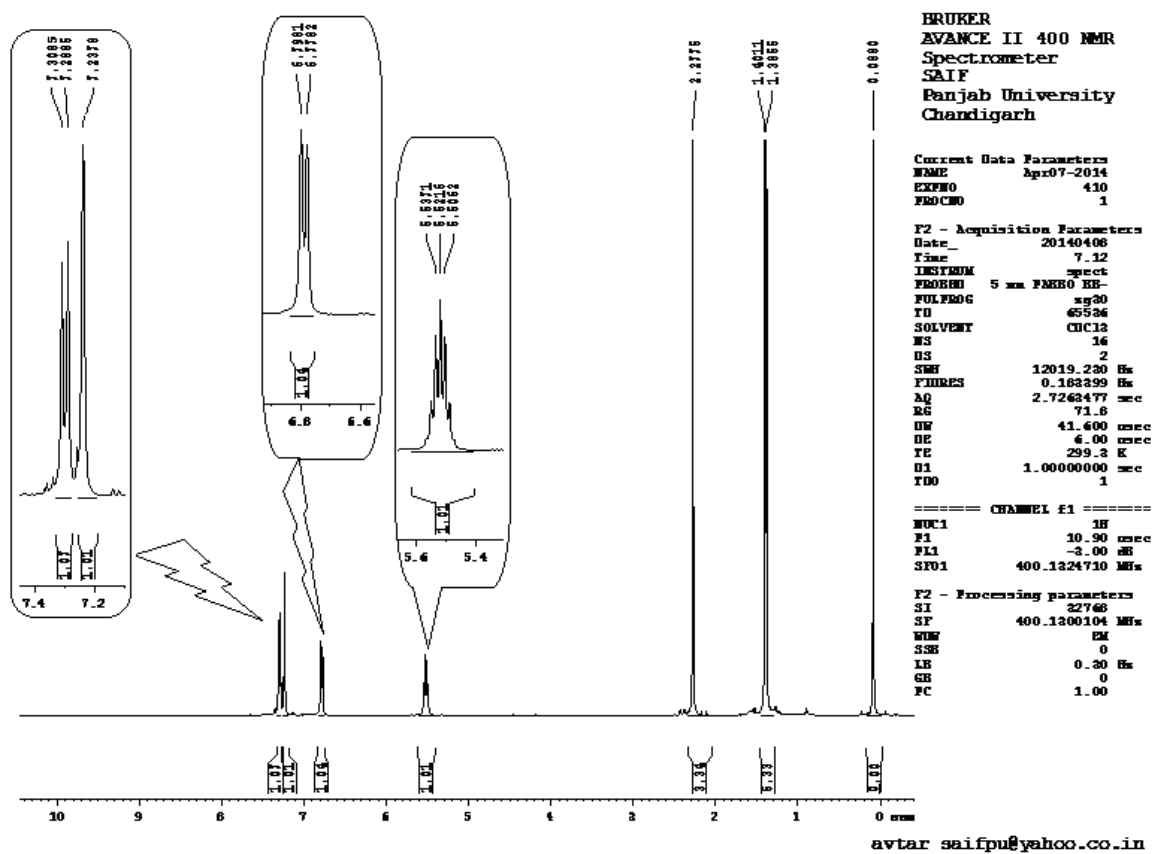
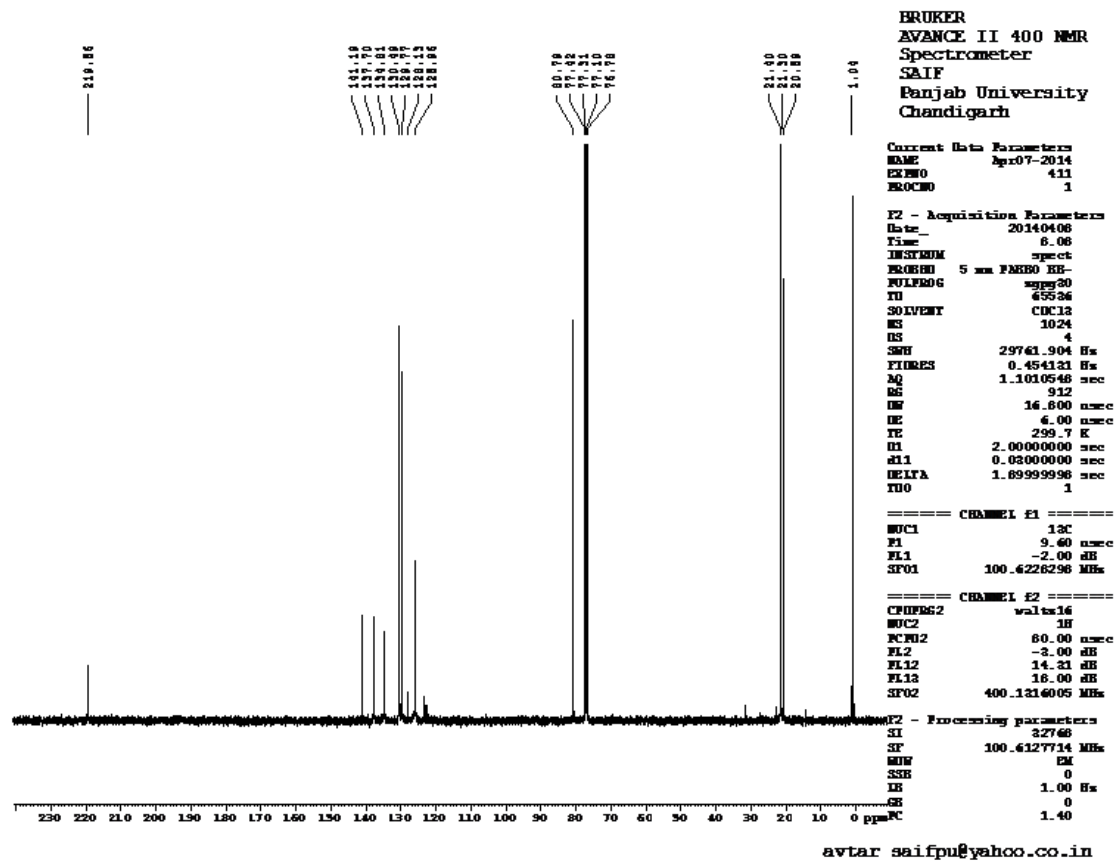


Figure S3. ^1H NMR spectrum of Compound 3.



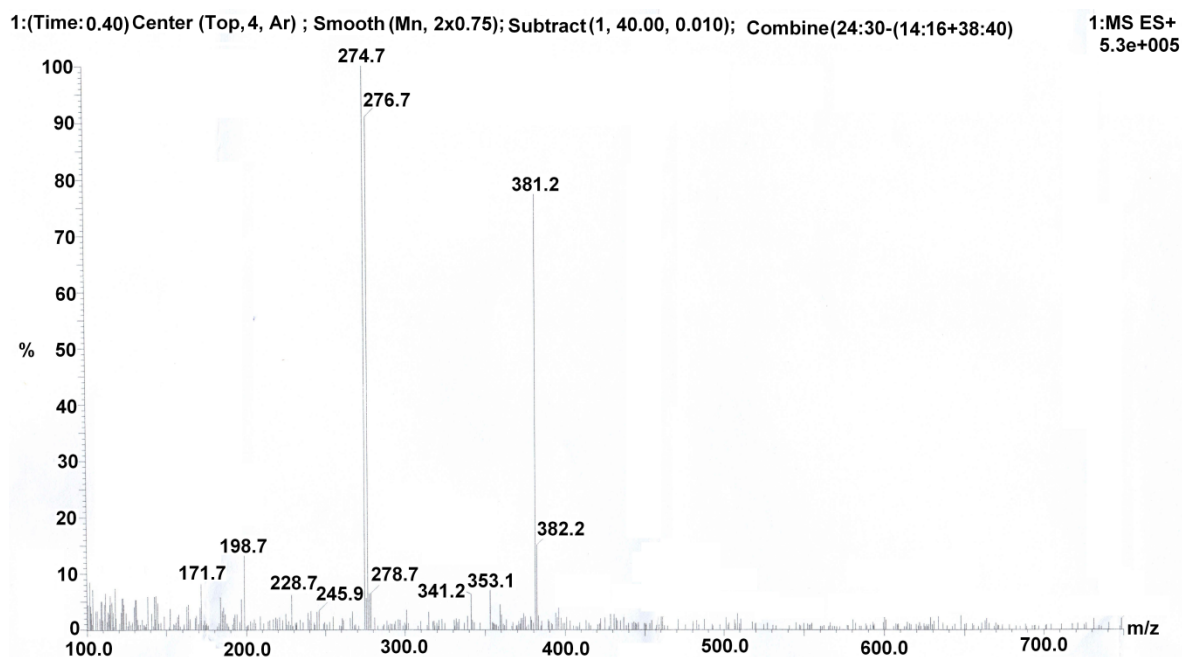


Figure S5. ESI – mass spectrum of compound 1.

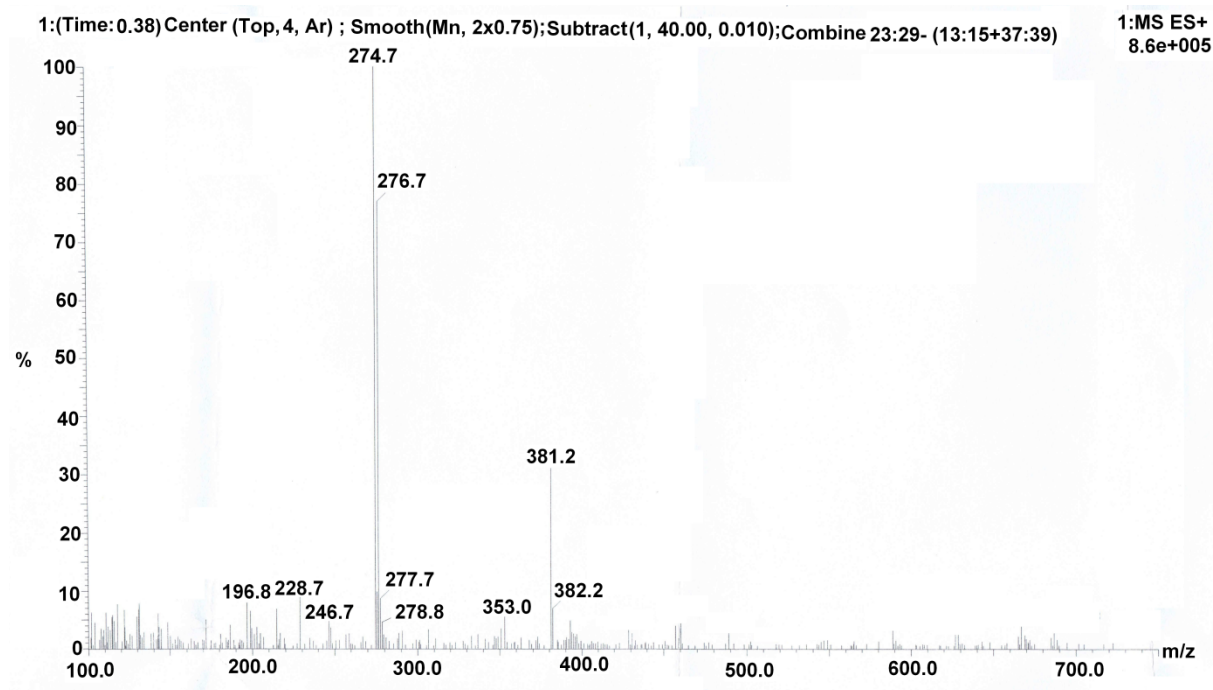


Figure S6. ESI – mass spectrum of compound 3.

Table S2. The experimental data and the calculated results for powder X-ray diffraction pattern of Complex 3.

2 Theta	d-spacing (observed)	d-spacing (calculated)	Relative Intensity %	h	k	l
11.49	7.69	7.70	100	0	2	0
11.85	7.46	7.38	82.96	1	2	0
13.56	6.52	6.52	36.49	4	0	0
17.33	5.11	4.98	50.80	4	2	0
22.06	4.03	3.91	48.24	1	3	-1
22.90	3.88	3.81	27.90	1	4	0
24.06	3.70	3.63	46.80	3	3	-1
26.62	3.35	3.31	28.48	4	4	0
27.56	3.23	3.15	38.60	2	4	1
28.50	3.13	3.10	64.22	5	4	0
28.71	3.11	3.03	77.93	3	4	1
30.44	2.93	2.78	29.12	4	1	-2
31.42	2.85	2.70	26.52	4	1	2
31.99	2.80	2.66	26.43	4	2	-2
32.23	2.78	2.74	26.81	5	4	1
32.33	2.77	2.74	26.68	1	5	-1
32.61	2.74	2.62	26.50	1	3	2
33.56	2.67	2.61	27.07	3	5	1
34.41	2.61	2.52	29.38	9	2	-1
35.25	2.54	2.43	24.95	6	2	-2
35.58	2.52	2.41	24.23	0	4	2
37.07	2.42	2.35	24.77	2	4	2
37.29	2.41	2.30	25.03	7	1	2
40.41	2.23	2.19	24.77	9	4	-1
40.55	2.22	2.13	26.30	6	4	-2
41.37	2.18	2.05	25.53	0	0	3
41.63	2.17	2.17	25.19	2	7	0
42.25	2.14	2.08	22.84	6	4	2

Lattice parameters calculated a = 26.08 Å, b = 15.38 Å and c = 6.54 Å; Angle β = 92.33°; Unit volume of the cel = 2621 Å³, Particle size of the complex = 6.39 nm

Table S3. The experimental data and the calculated results for powder X-ray diffraction pattern of Complex 5.

[illegible]

