Supplementary material

Cytotoxic activity (screening)

Table S1. Cytotoxic activity of the *A. amadelpha* extract and compounds **1**-**3** and **5**

Sample	Cytotoxic activity				
	MCF-7	**DU-145**	**HeLa**	**Panc-1**	**Skov-3**
	%Viability (10 µM)	%Viability (10 µM)	%Viability (10 µM)	%Viability (10 µM)	%Viability (10 µM)
Extract*	28.53	26.91	10.41	50.14	81.57
1	58.89	40.17	40.92	97.16	81.24
2	36.88	35.73	46.38	100.08	73.31
3	78.96	38.26	37.31	98.20	69.87
5	96.50	33.10	32.42	95.56	60.30

* The viability% of the extract was measured at 100 µg/mL.

Table S2. 1D-NMR spectral data of compounds **3** – **6** in CD_3OD

C/H	**3**		**4***		**5**		**6**	
	^{13}**C**	^{1}**H** J_{Hz}	^{13}**C**	^{1}**H** J_{Hz}	^{13}**C**	^{1}**H** J_{Hz}	^{13}**C**	^{1}**H** J_{Hz}
1	129.3		129.8		130.5		129.6	
2	132.5	7.74, d, 8.5	130.6	7.75, dd, 1.8, 8.4	131.4	7.79, dd, 1.8, 8.4	128.7	7.79, dd, 1.6, 8.4
3	116.5	6.88, d, 8.5	115.9	7.03, d, 8.4	114.3	6.97, d, 8.4	114.7	6.88, d, 8.4
4	164.1		160.4		162.6		156.4	
5	116.5	6.88, d, 8.5	110.4		83.7		108.6	
6	132.5	7.74, d, 8.5	134.7	8.04, d, 1.8	141.3	8.26, d, 1.8	134.3	8.10, d, 1.6
7	191.2	9.75, s	190.1	9.75, s	190.0	9.73, s	172.1	

***** NMR spectral data of compound **4** in DMSO

Spectral data

Figure S1: ^{1}H-NMR spectrum of compound **1** in CD_3OD

Figure S2: HH-COSY NMR spectrum of compound **1** in CD_3OD

Figure S3: ^{13}C-NMR spectrum of compound **1** in CD_3OD

Figure S4: ^{13}C-DEPT-135 NMR spectrum of compound **1** in CD_3OD

Figure S5: HSQC NMR spectrum of compound **1** in CD_3OD

Figure S6: HMBC NMR spectrum of compound **1** in CD_3OD

Figure S7: HMBC NMR spectrum (δ_H 9.7-6.5 and δ_C 80-200) of compound **1** in CD_3OD

Figure S8: (-) ESI-MS spectrum of compound **1**

Figure S9: ^{1}H-NMR spectrum of compound **2** in CD_3OD

Figure S10: ^{13}C-NMR spectrum of compound **2** in CD_3OD

Figure S11: HSQC NMR spectrum of compound **2** in CD_3OD

Figure S12: HMBC NMR spectrum of compound **2** in CD_3OD

Figure S13: EI-MS spectrum of compound **2**

Figure S14: ^{1}H-NMR spectrum of compound **3** in CD_3OD

Figure S15: HH-COSY NMR spectrum of compound **3** in CD_3OD

Figure S16: ^{13}C-NMR spectrum of compound **3** in CD_3OD

Figure S17: ^{13}C-DEPT-135 NMR spectrum of compound **3** in CD_3OD

Figure S18: HSQC NMR spectrum of compound **3** in CD_3OD

Figure S19: HMBC NMR spectrum of compound **3** in CD_3OD

Figure S20: EI-MS spectrum of compound **3**

Compound **1**

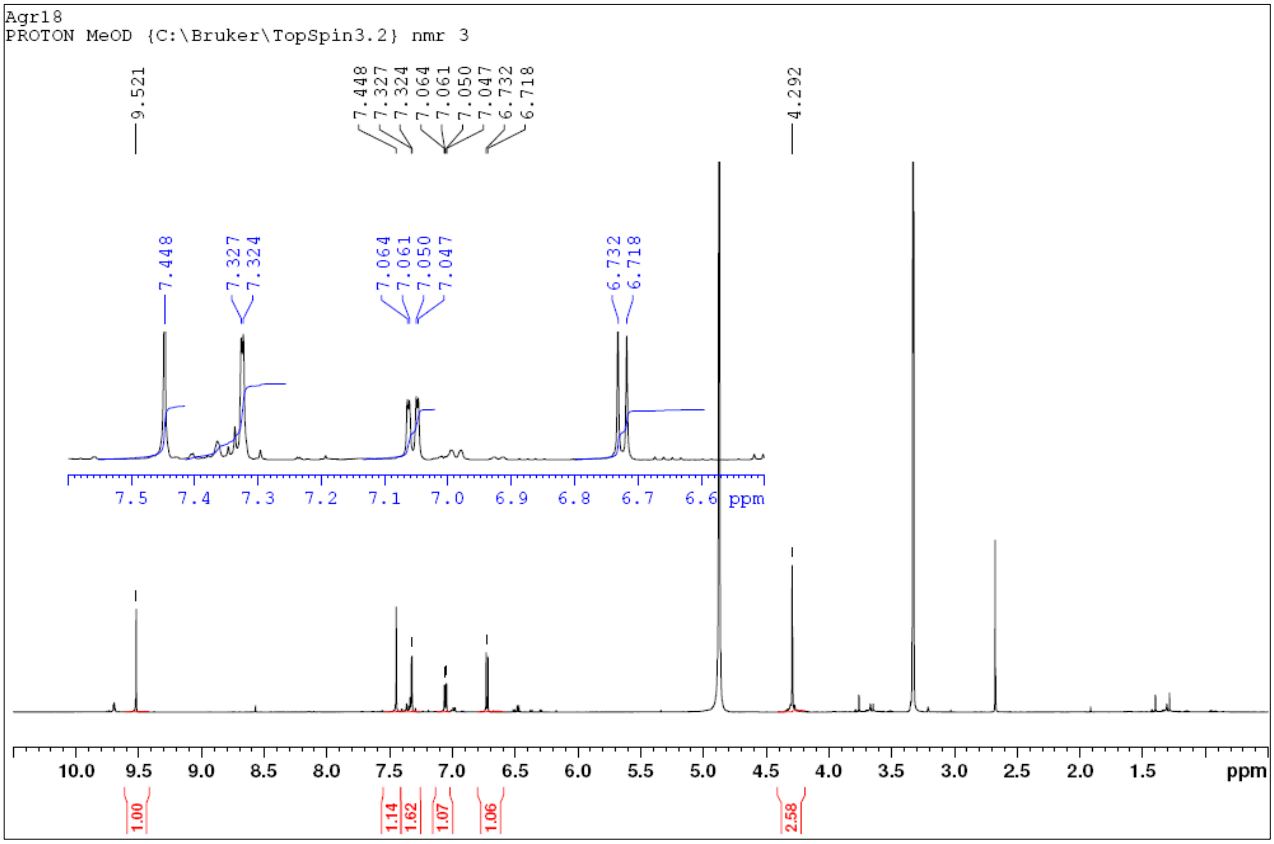

Fig. S1: ^{1}H-NMR spectrum of compound **1** in CD_3OD

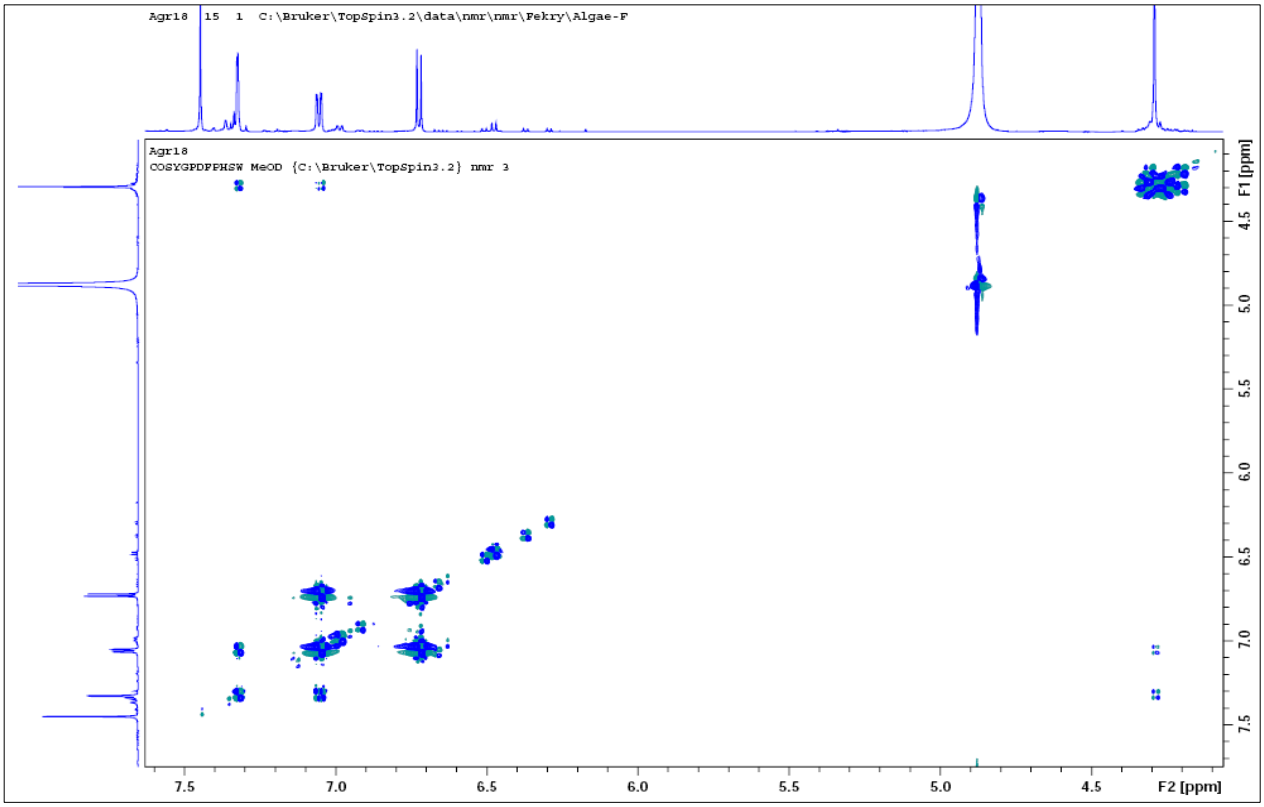

Fig. S2: HH-COSY NMR spectrum of compound **1** in CD_3OD

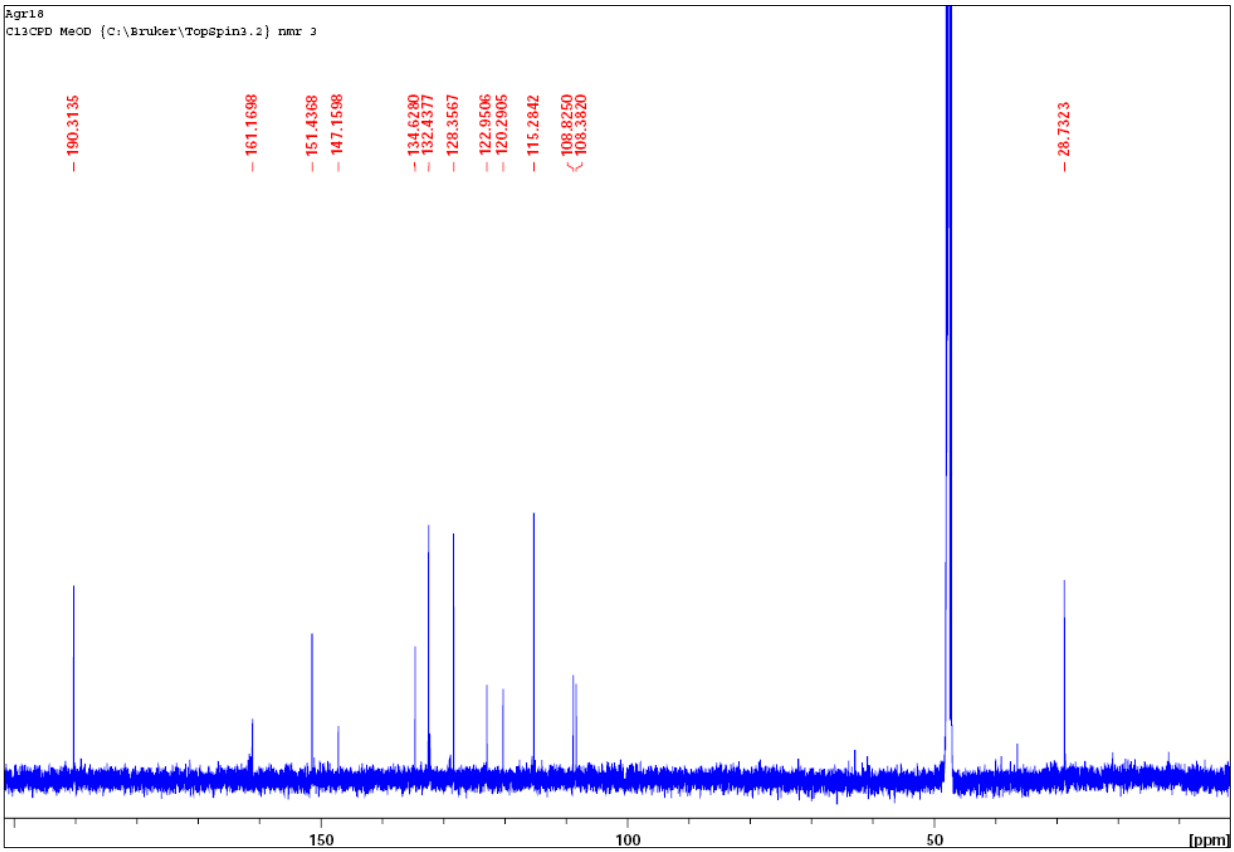

Fig. S3: ^{13}C-NMR spectrum of compound **1** in CD_3OD

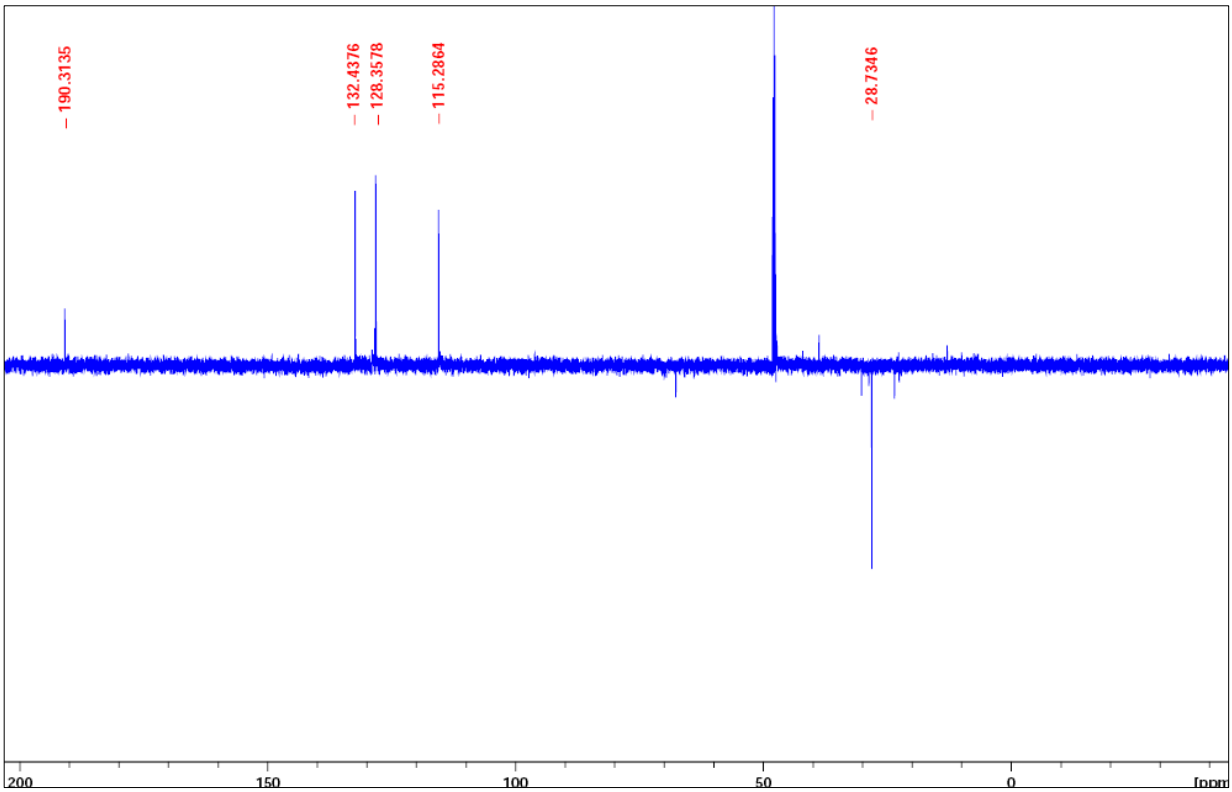

Fig. S4: ^{13}C-DEPT135 NMR spectrum of compound **1** in CD_3OD

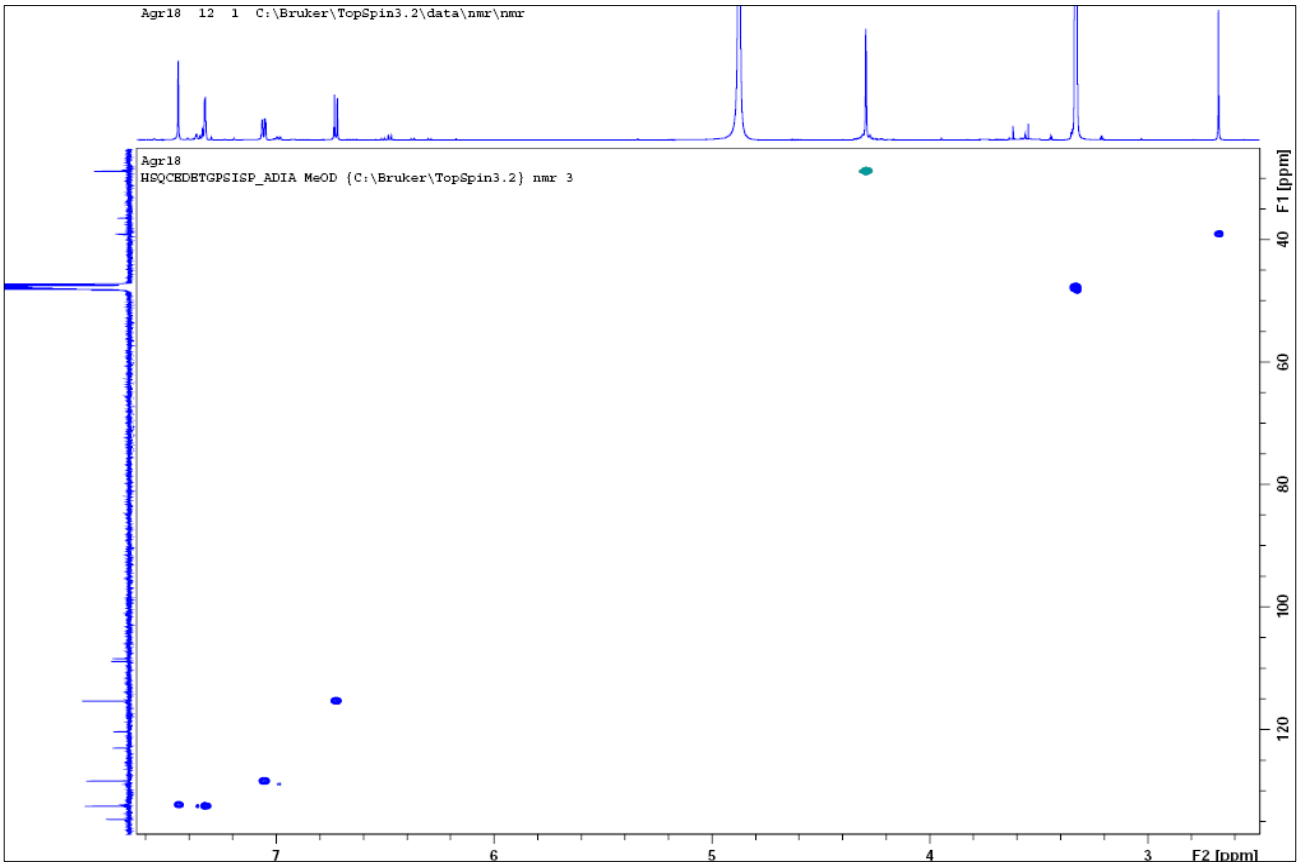

Fig. S5: HSQC NMR spectrum of compound **1** in CD_3OD

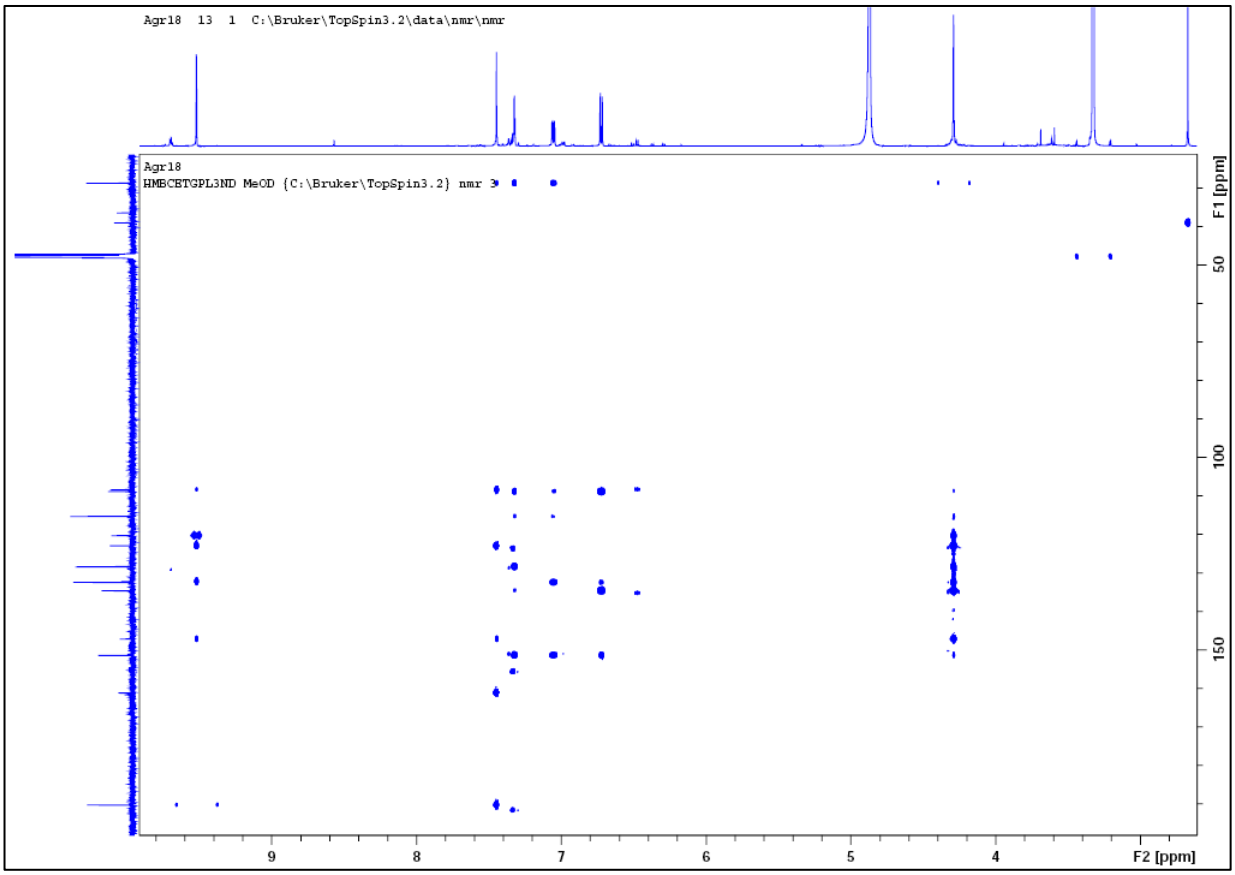

Fig. S6: HMBC NMR spectrum of compound **1** in CD_3OD

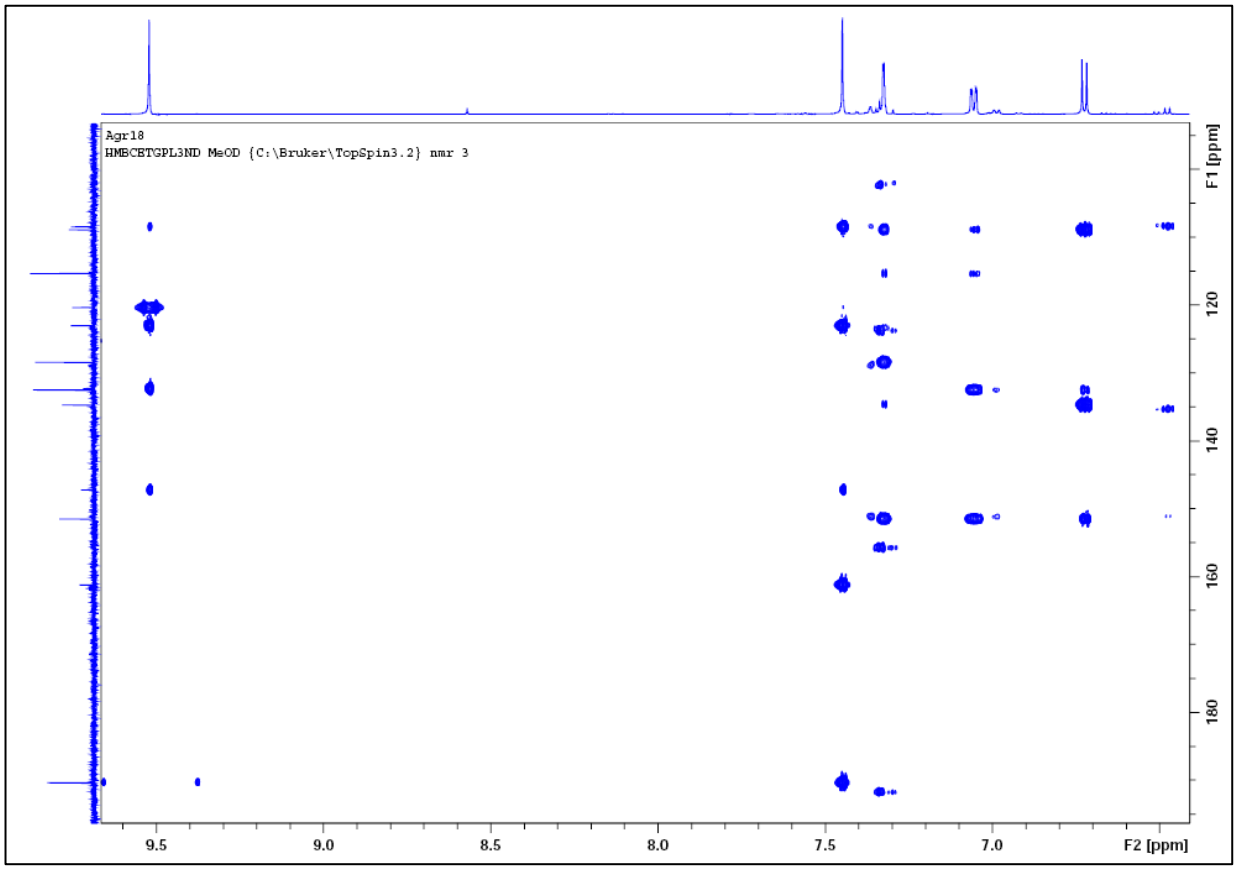

Fig. S7: HMBC NMR spectrum (δ_H 9.7-6.5 and δ_C 80-200) of compound **1** in CD_3OD

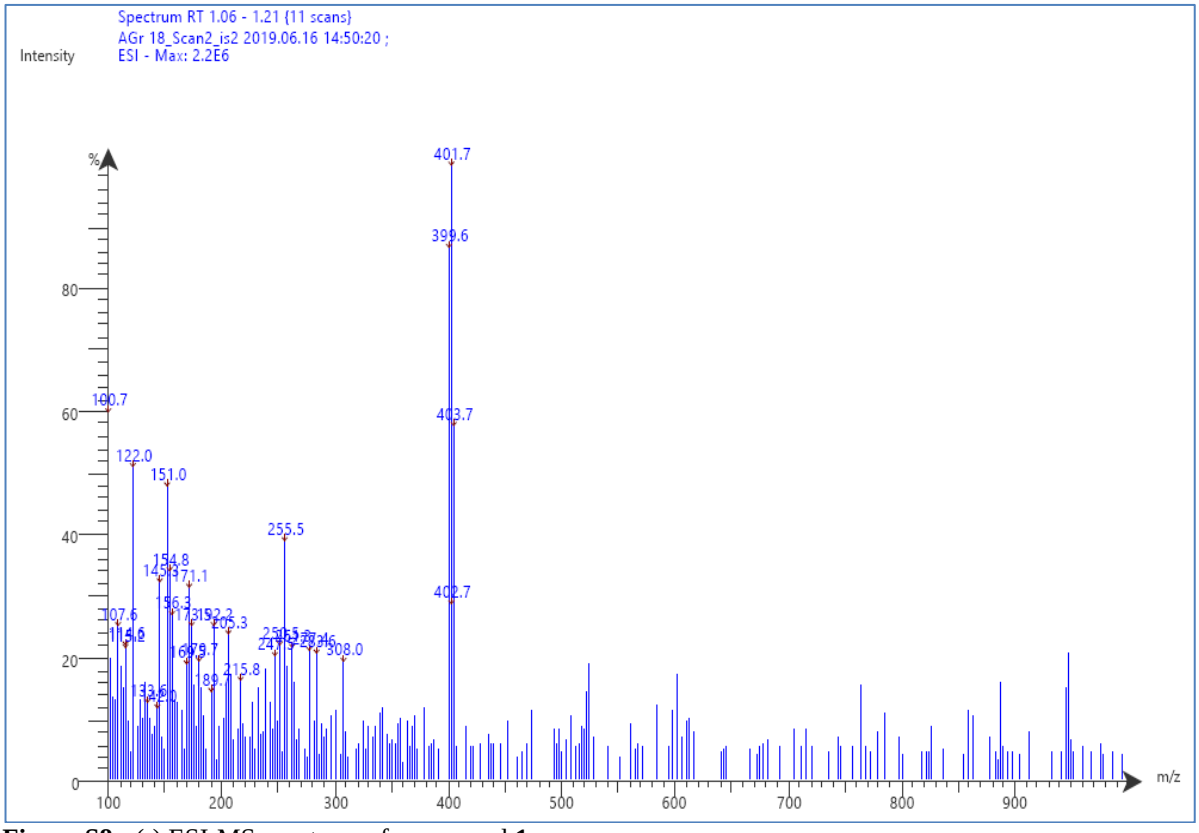

Figure S8: (-) ESI-MS spectrum of compound **1**

Compound **2**

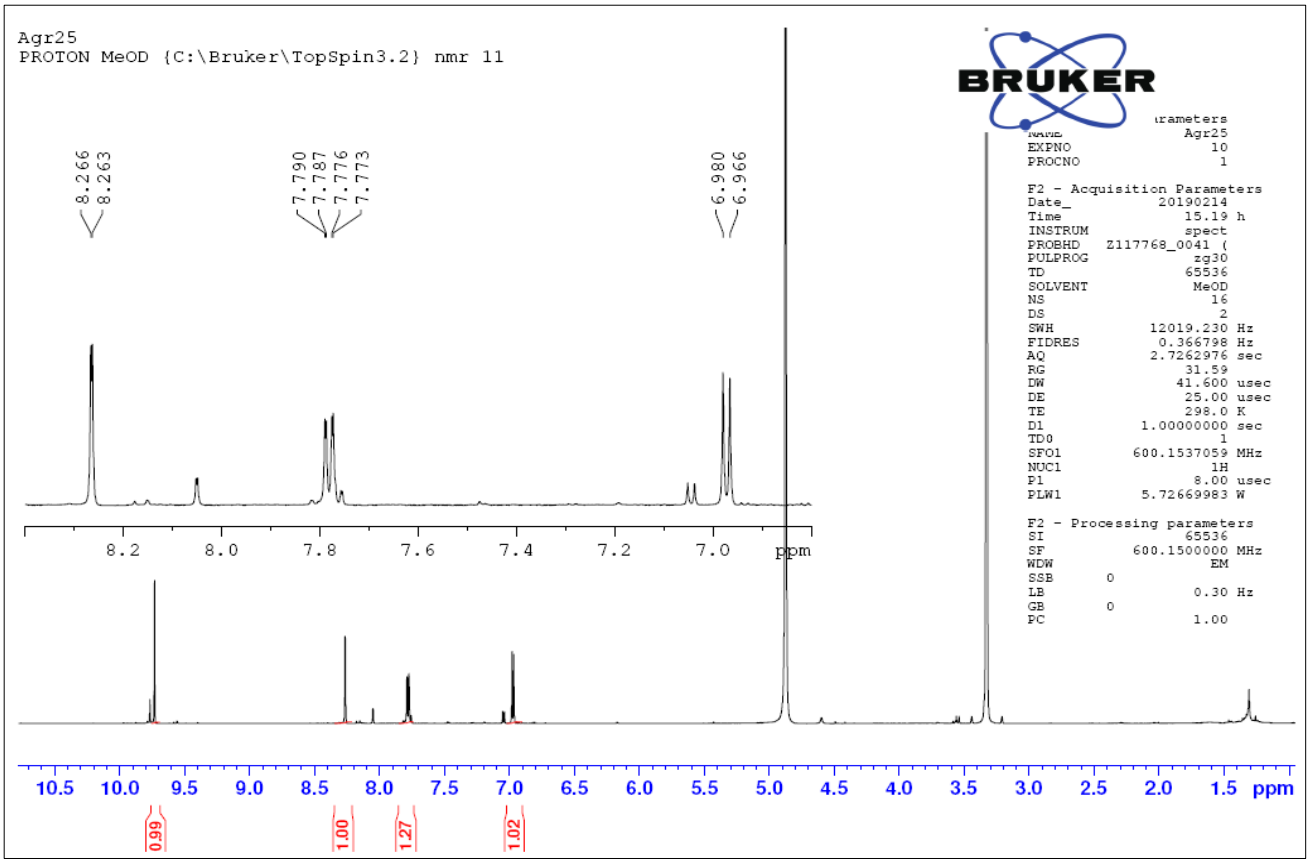

Fig. S9: ^{1}H-NMR spectrum of compound **2** in CD_3OD

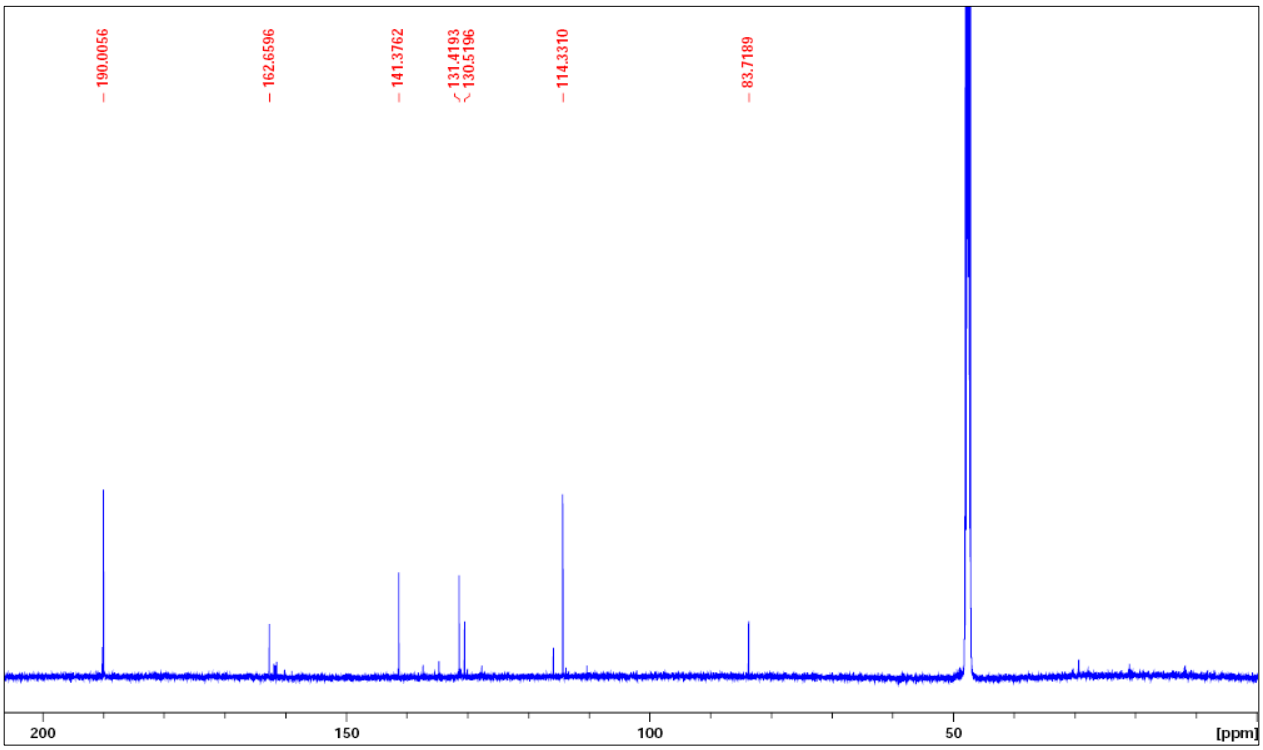

Fig. S10: ^{13}C-NMR spectrum of compound **2** in CD_3OD

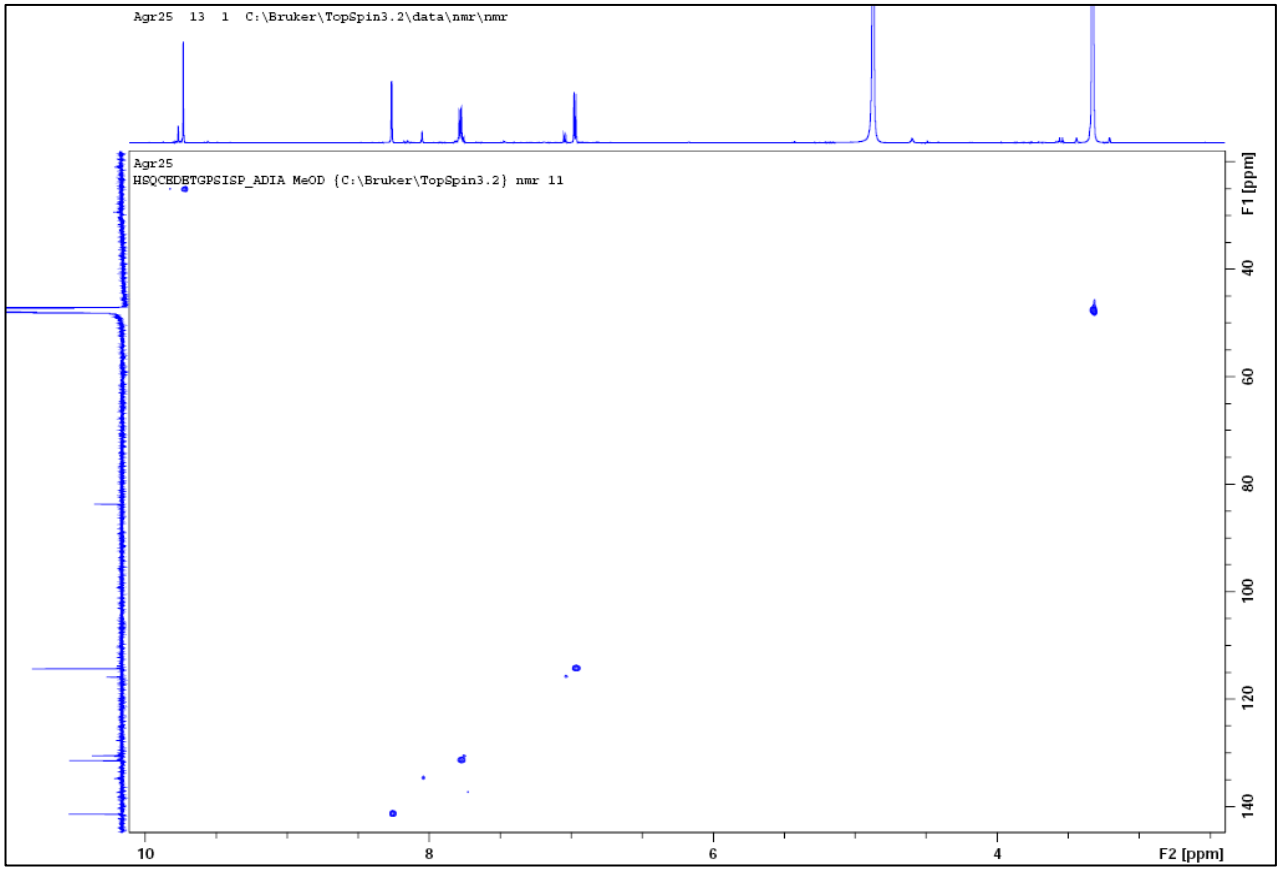

Fig. S11: HSQC NMR spectrum of compound **2** in CD_3OD

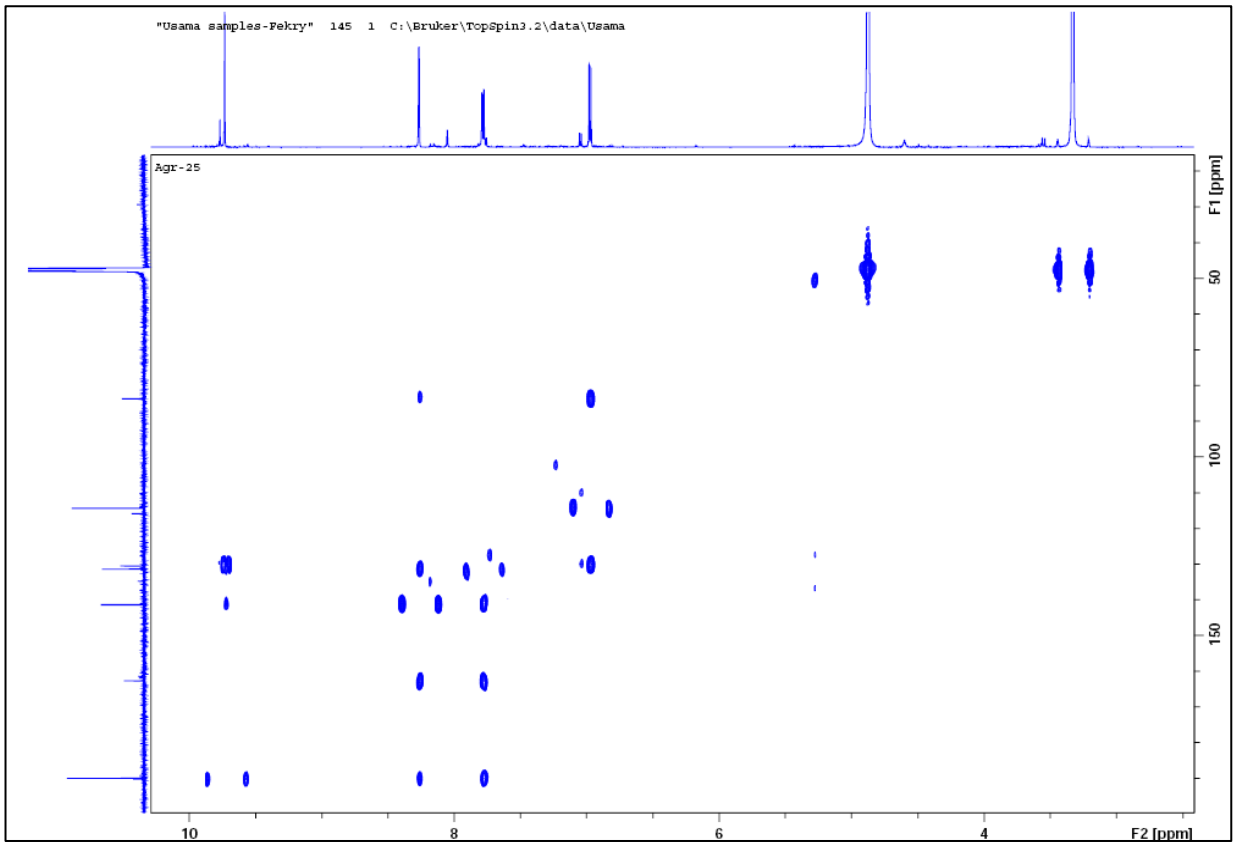

Fig. S12: HMBC NMR spectrum of compound **2** in CD_3OD

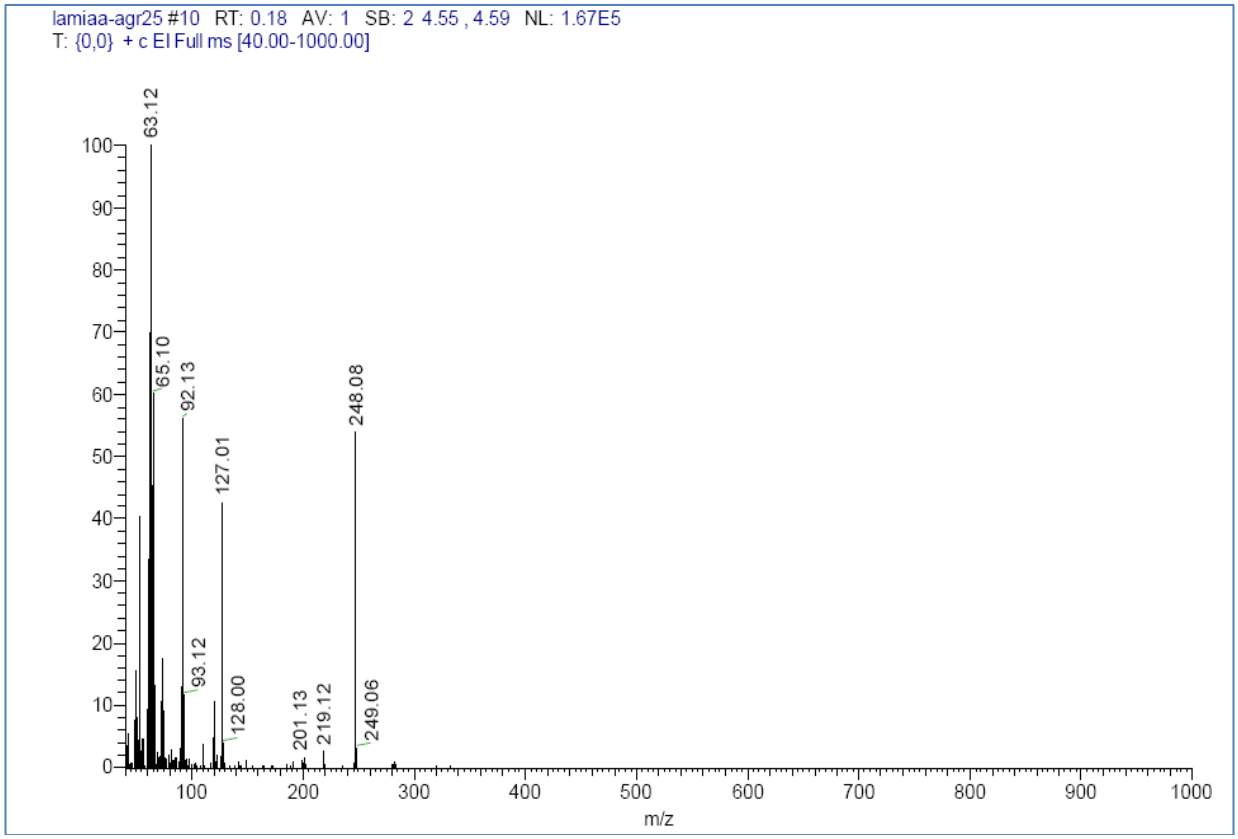

Fig. S13: EI-MS spectrum of compound **2**

Compound **3**

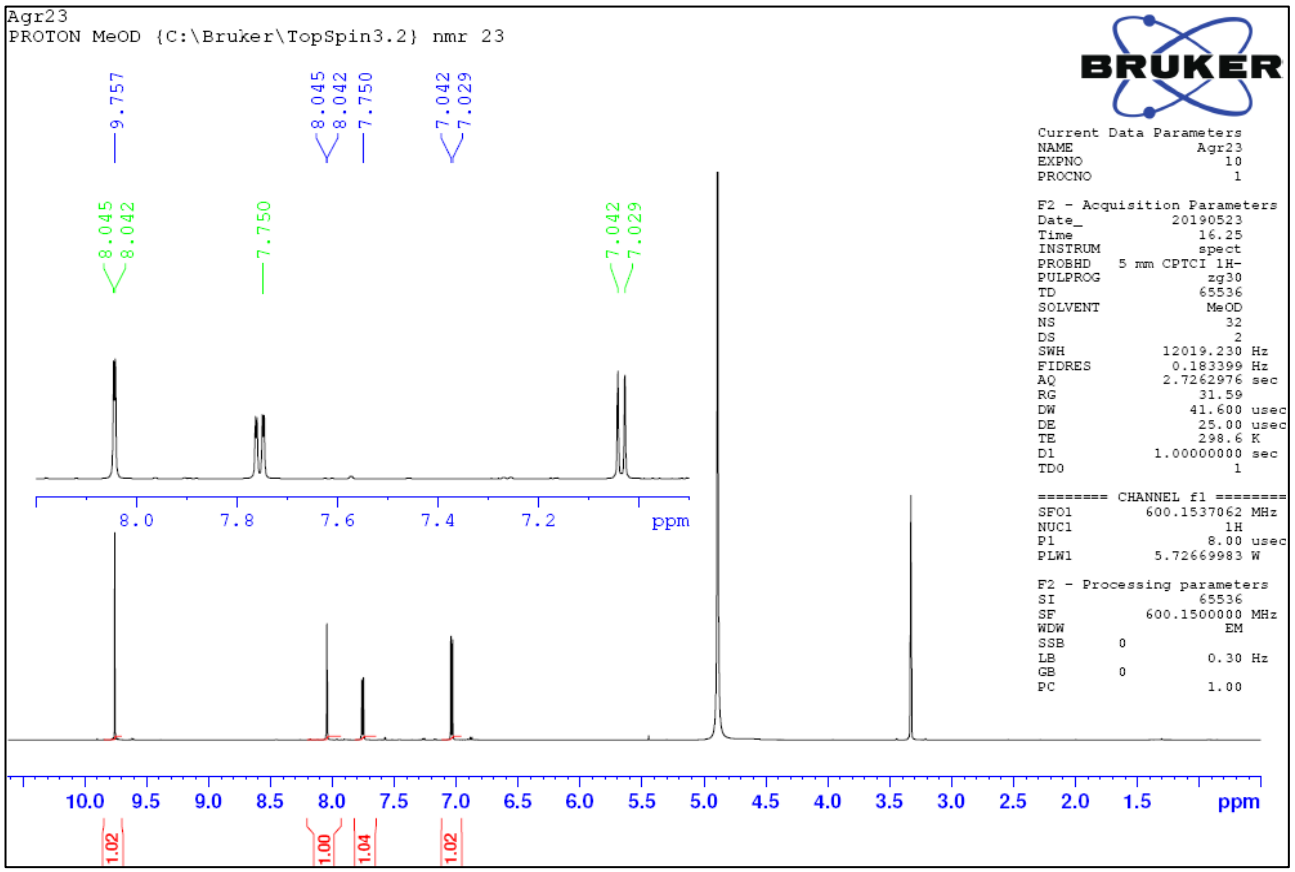

Fig. S14: ^{1}H NMR spectrum of compound **3** in CD_3OD

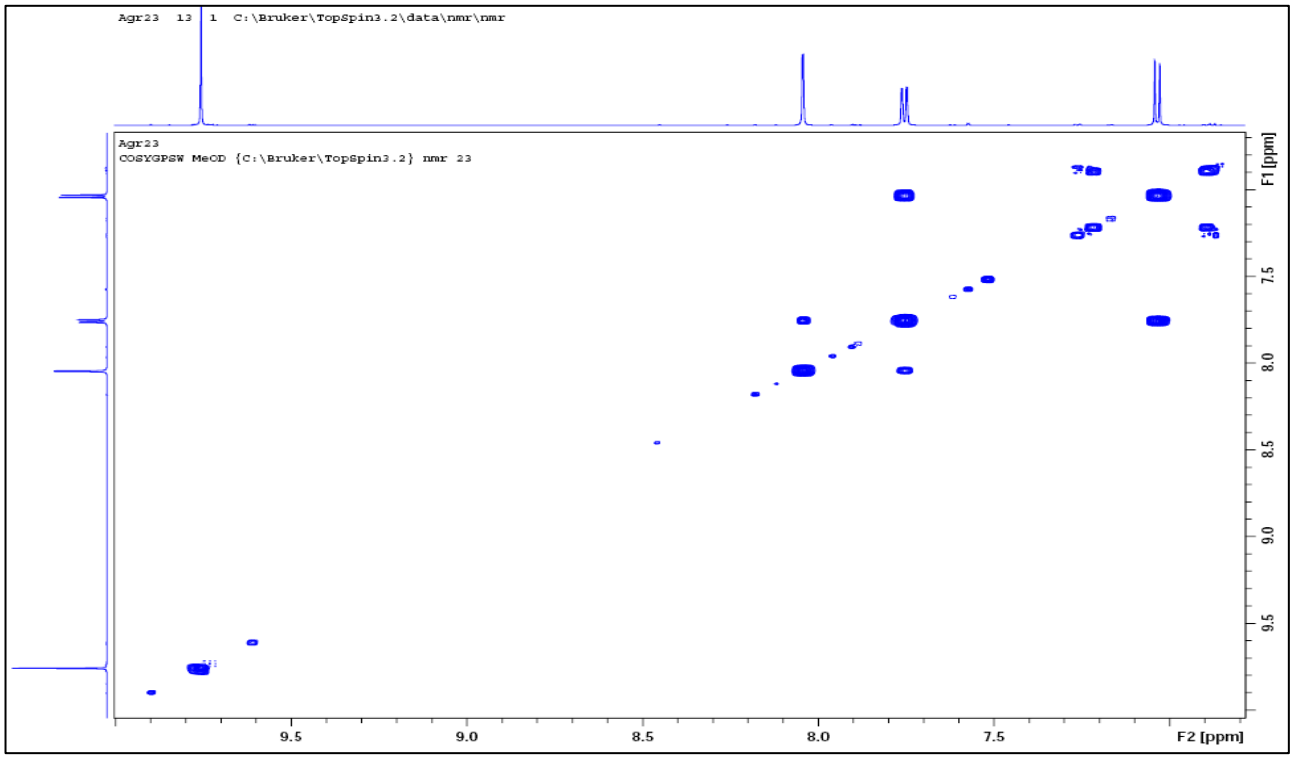

Fig. S15: HH-COSY NMR spectrum of compound **3** in CD_3OD

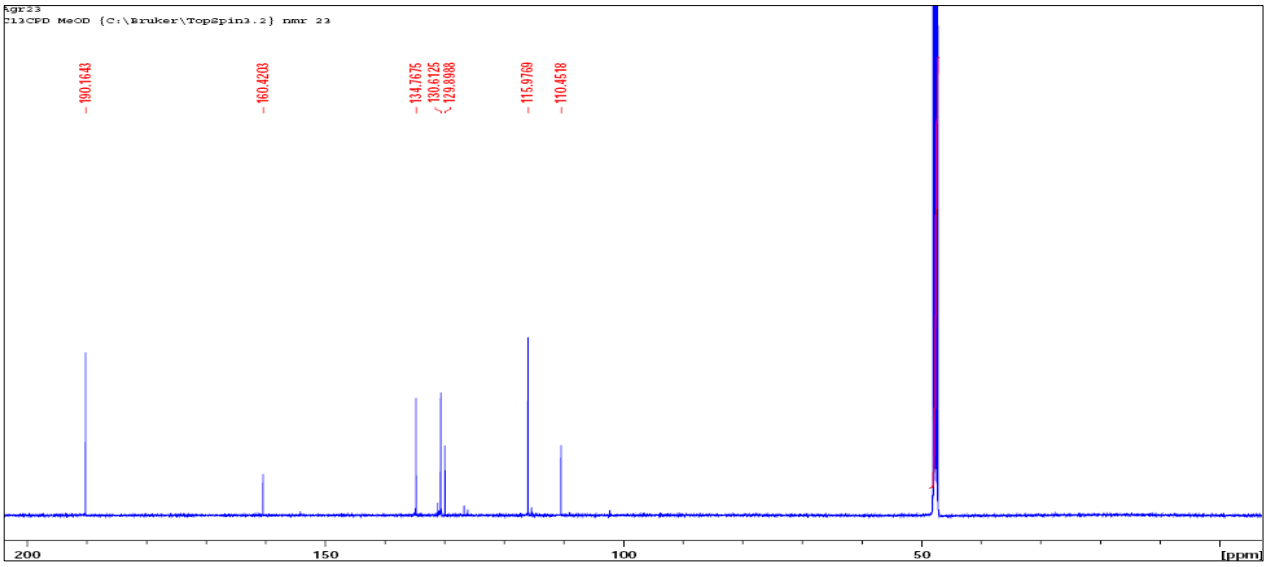

Fig. S16: ^{13}C NMR spectrum of compound **3** in CD_3OD

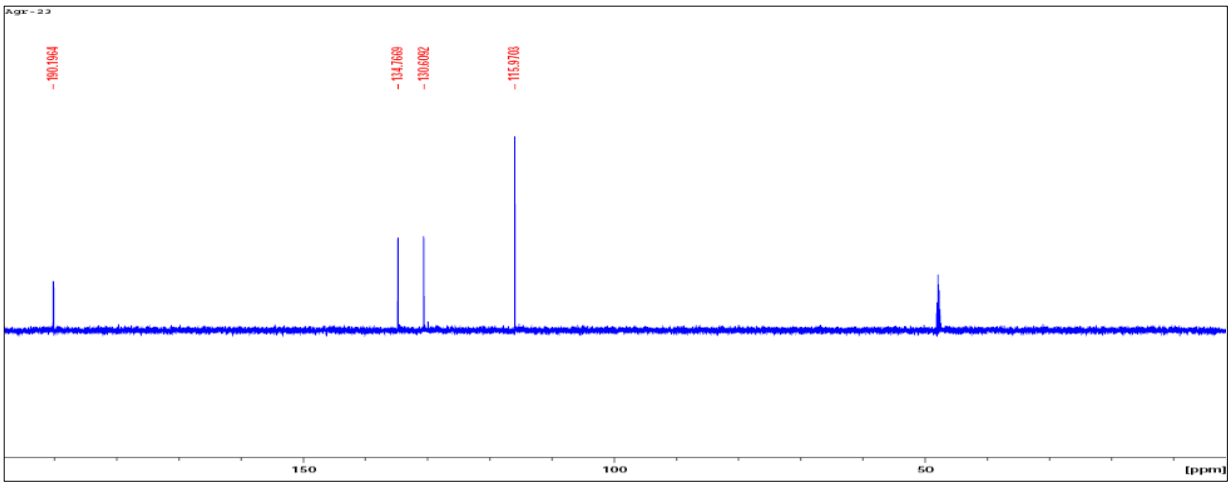

Fig. S17: ^{13}C-DEPT135 NMR spectrum of compound **3** in CD_3OD

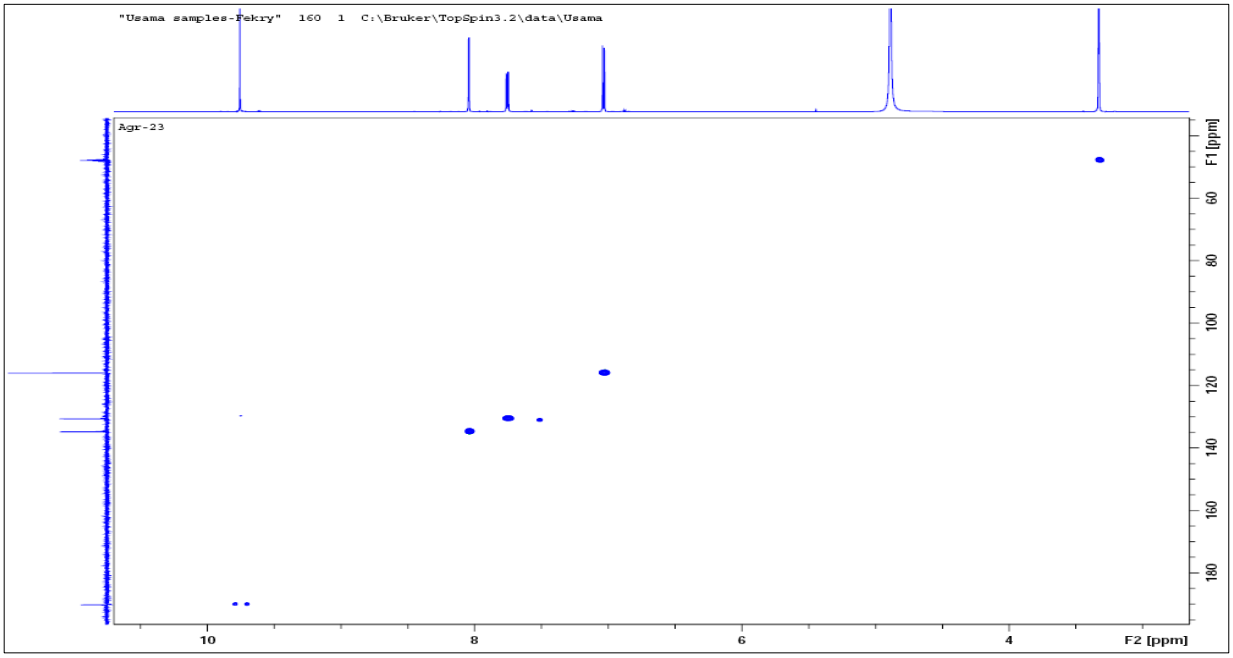

Fig. S18: HSQC NMR spectrum of compound **3** in CD_3OD

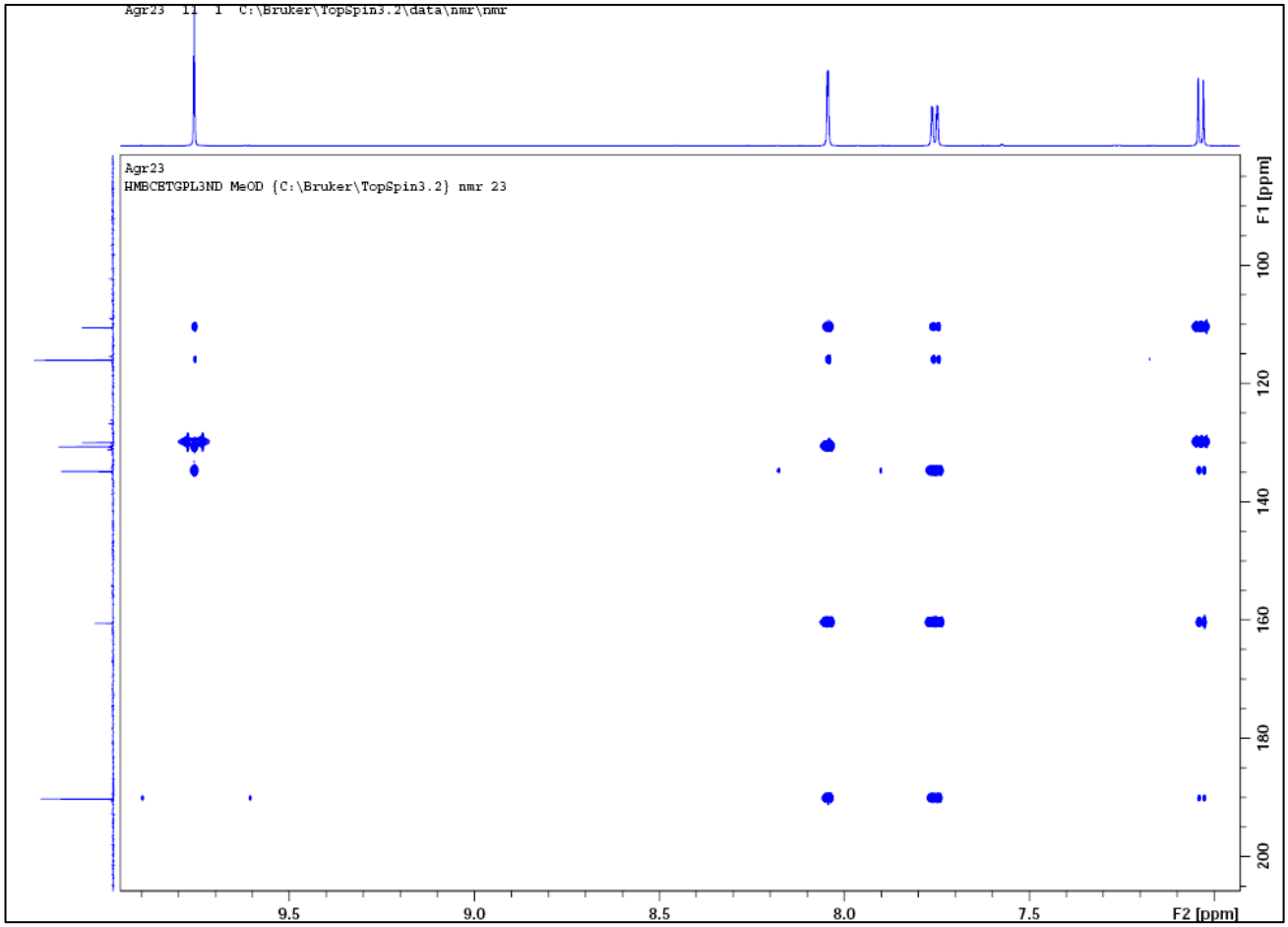

Fig. S19: HMBC NMR spectrum of compound **3** in CD_3OD

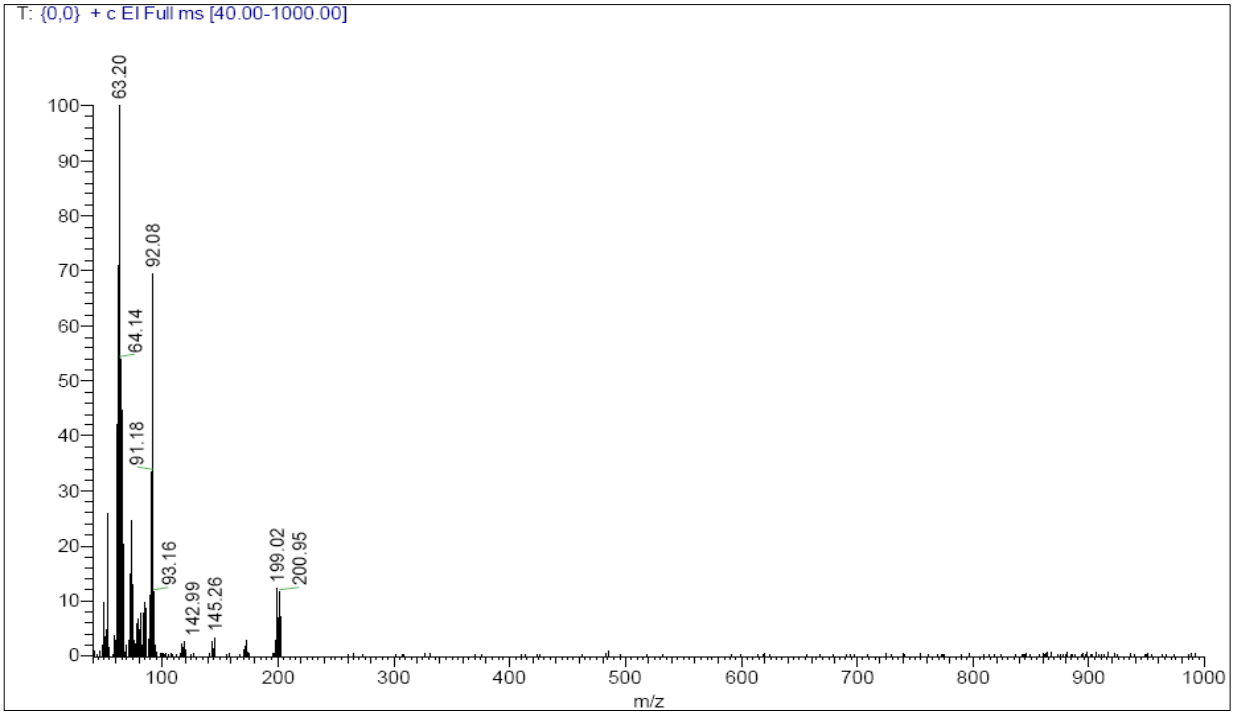

Fig. S20: EI-MS spectrum of compound **3**