

Supplementary materials

Table S1. Antibacterial activity of the ethyl acetate crude extracts of endophytic fungi against different pathogenic bacteria

No.	Fungal isolates	Diameters of inhibition zone (mm)			
		<i>E. coli</i>	<i>P. aeruginosa</i>	<i>S. aureus</i>	<i>B. subtilis</i>
1	<i>Alternaria tenuissima</i> AT50	23.5±0.4	22.5±0.3	25.2±0.5	27.3±0.5
2	<i>A. tenuissima</i> AT57	24.2±0.3	24±0.2	25.8±0.6	26.5±0.4
3	<i>A. alternata</i> AA52	-ve	17.4±0.2	28±0.7	23.6±0.3
4	<i>A. alternata</i> AA55	16.4±0.4	16.5±0.3	27.5±0.6	22.6±0.2
5	<i>A. alternata</i> AA60	-ve	15.8±0.2	27.9±0.8	23.2±0.2
6	<i>A. brassicae</i> AB85	14.2±0.2	20.5±0.4	26.3±0.5	22.4±0.3
7	<i>A. solani</i> AS89	18.5±0.5	21.8±0.4	26±0.6	21.2±0.2
8	<i>A. mali</i> AM95	-ve	15.6±0.3	25.4±0.5	22±0.2
9	<i>Aspergillus niger</i> AN101	17.5±0.5	26.2±0.8	25.2±0.4	27.2±0.5
10	<i>A. niger</i> AN102	18±0.7	24.5±0.5	24.6±0.6	26±0.6
11	<i>A. tubingensis</i> AN103	25.7±0.7	27.4±0.6	28.4±0.7	29.5±0.8
12	<i>A. fumigatus</i> AF107	24.5±0.4	-ve	22.4±0.3	28.1±0.6
13	<i>A. terreus</i> AT105	22.4±0.5	22.7±0.3	23.6±0.4	26.2±0.5
14	<i>A. flavus</i> AF127	25.2±0.6	23.8±0.2	25±0.6	28.5±0.8
15	<i>Penicillium citrinum</i> PC131	27±0.7	19.6±0.2	23.4±0.4	27.5±0.5
16	<i>P. chrysogenum</i> PC133	25.1±0.2	17.2±0.3	26.3±0.4	26.2±0.4
17	<i>P. chrysogenum</i> PC134	25.2±0.4	22.8±0.5	22.4±0.3	25.5±0.4
18	<i>P. funiculosum</i> PF140	-ve	-ve	18.6±0.2	20.5±0.2
19	<i>Fusarium equiseti</i> FE145	23.4±0.3	18±0.2	21.9±0.2	27.4±0.4
20	<i>F. tricinctum</i> FT148	21.2±0.2	17.5±0.2	23.6±0.3	28±0.5
21	<i>F. oxysporum</i> FO150	22.5±0.2	22±0.5	22.8±0.3	19±0.4
22	<i>F. solai</i> FS162	20±0.2	-ve	20.4±0.4	16.5±0.3
23	<i>Cladosporium cladosporioides</i> CC168	-ve	17.5±0.3	21.2±0.5	22.7±0.7
24	<i>C. cladosporioides</i> CC169	-ve	16.1±0.2	20.5±0.4	23±0.6
25	<i>Cladosporium</i> spp. CC170	13.3 ±0.2	-ve	16.5±0.3	19.7±0.4
26	Positive control “Tetracycline ”	26.3	16.4	28.8	30.7

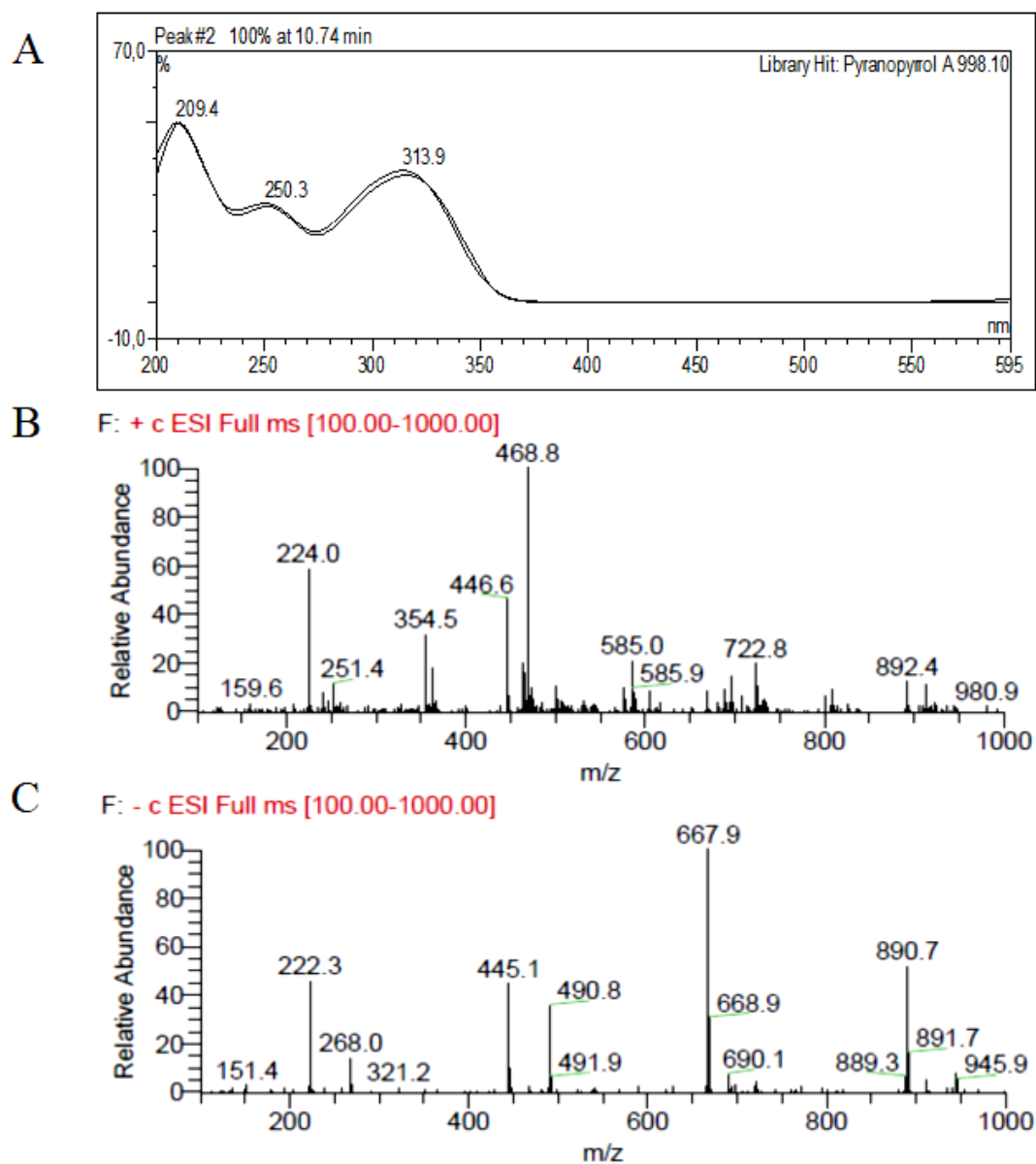


Figure S1. The UV spectrum (A), ESI-MS positive mode (B), ESI-MS negative mode (C) of Pyranonigrin A (**1**).

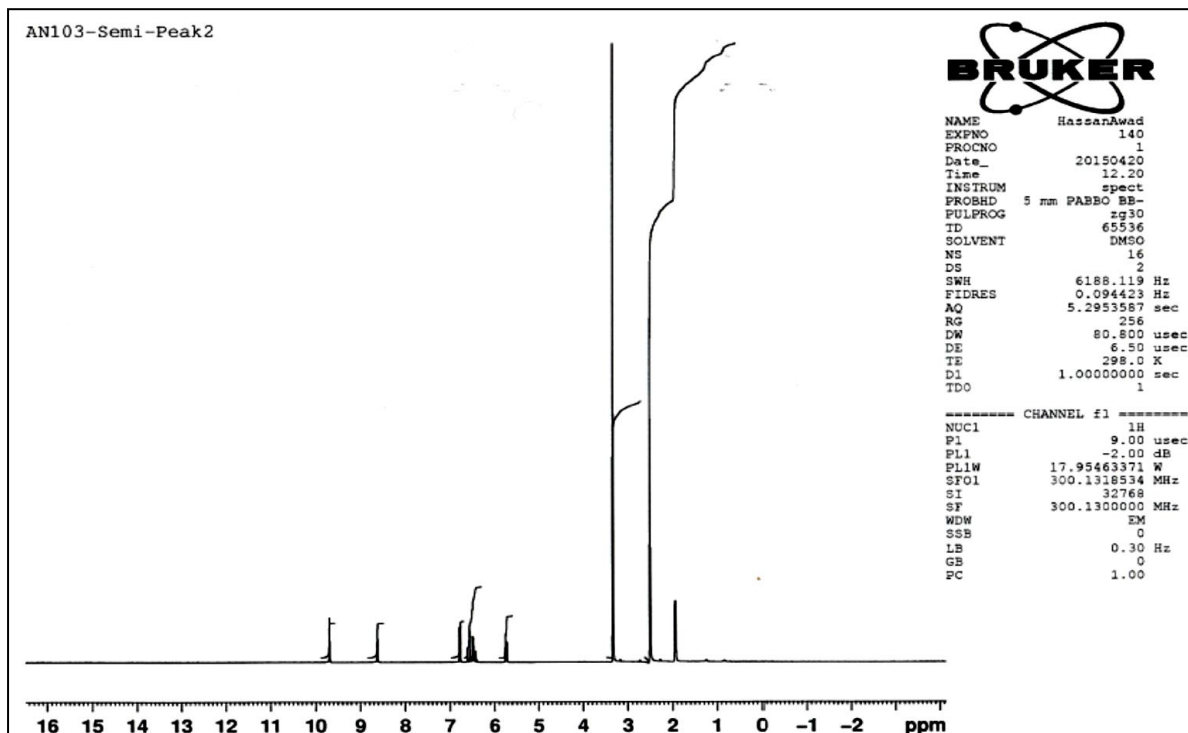


Figure S2. ^1H NMR spectrum of Pyranonigrin A (**1**) measured in DMSO.

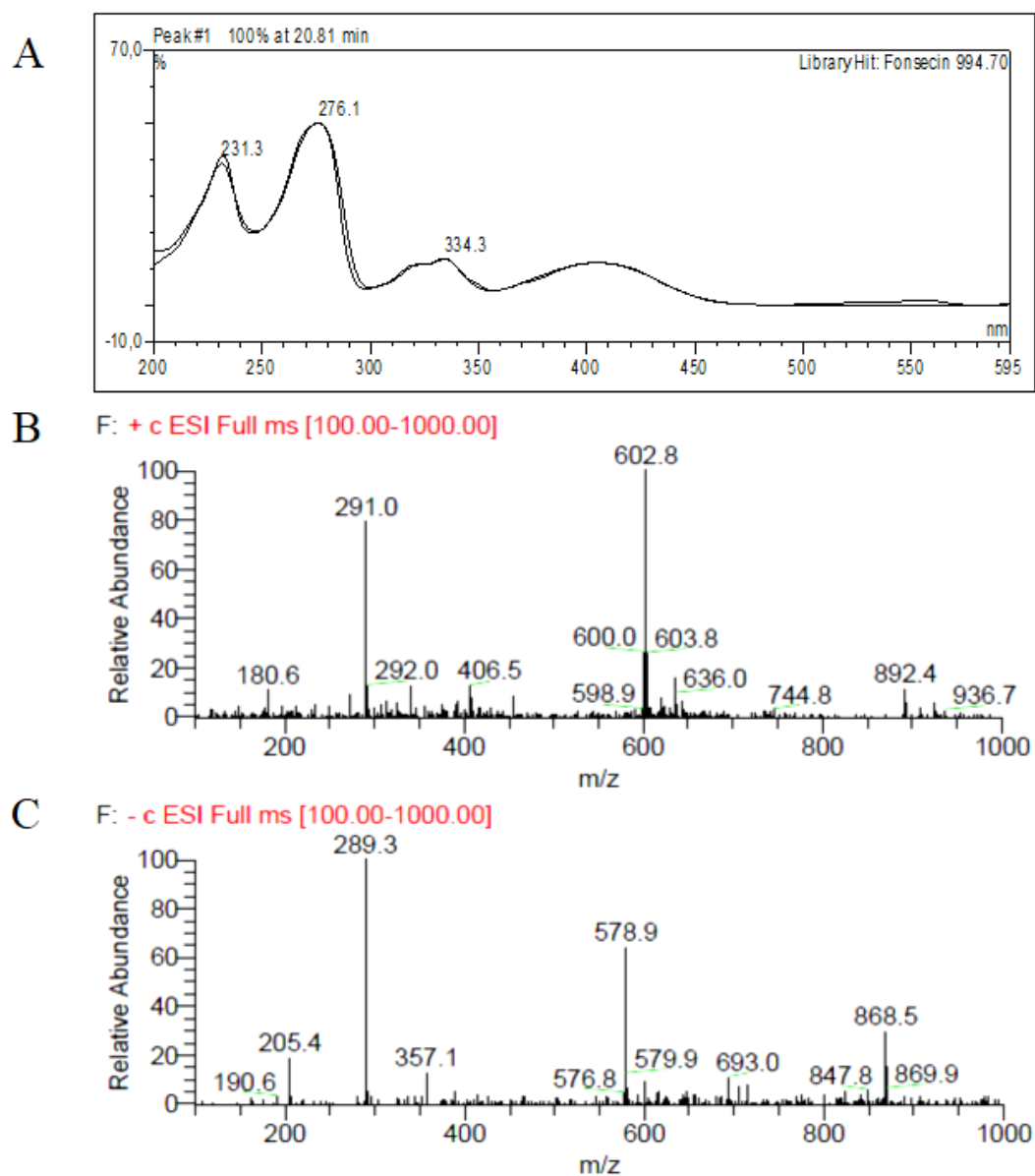


Figure S3. The UV spectrum (A), ESI-MS positive mode (B), ESI-MS negative mode (C) of Fonsecin (**2**).

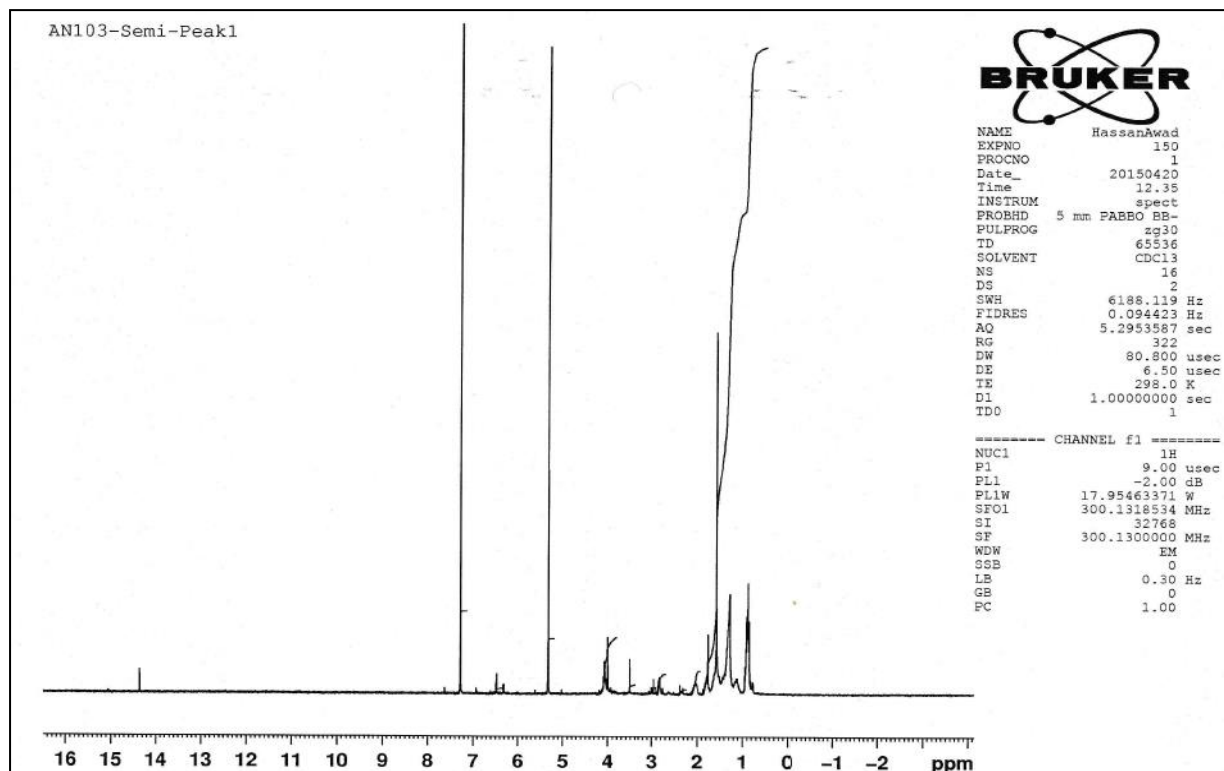


Figure S4. ^1H NMR spectrum of Fonsecin (**2**) measured in CDCl_3 .

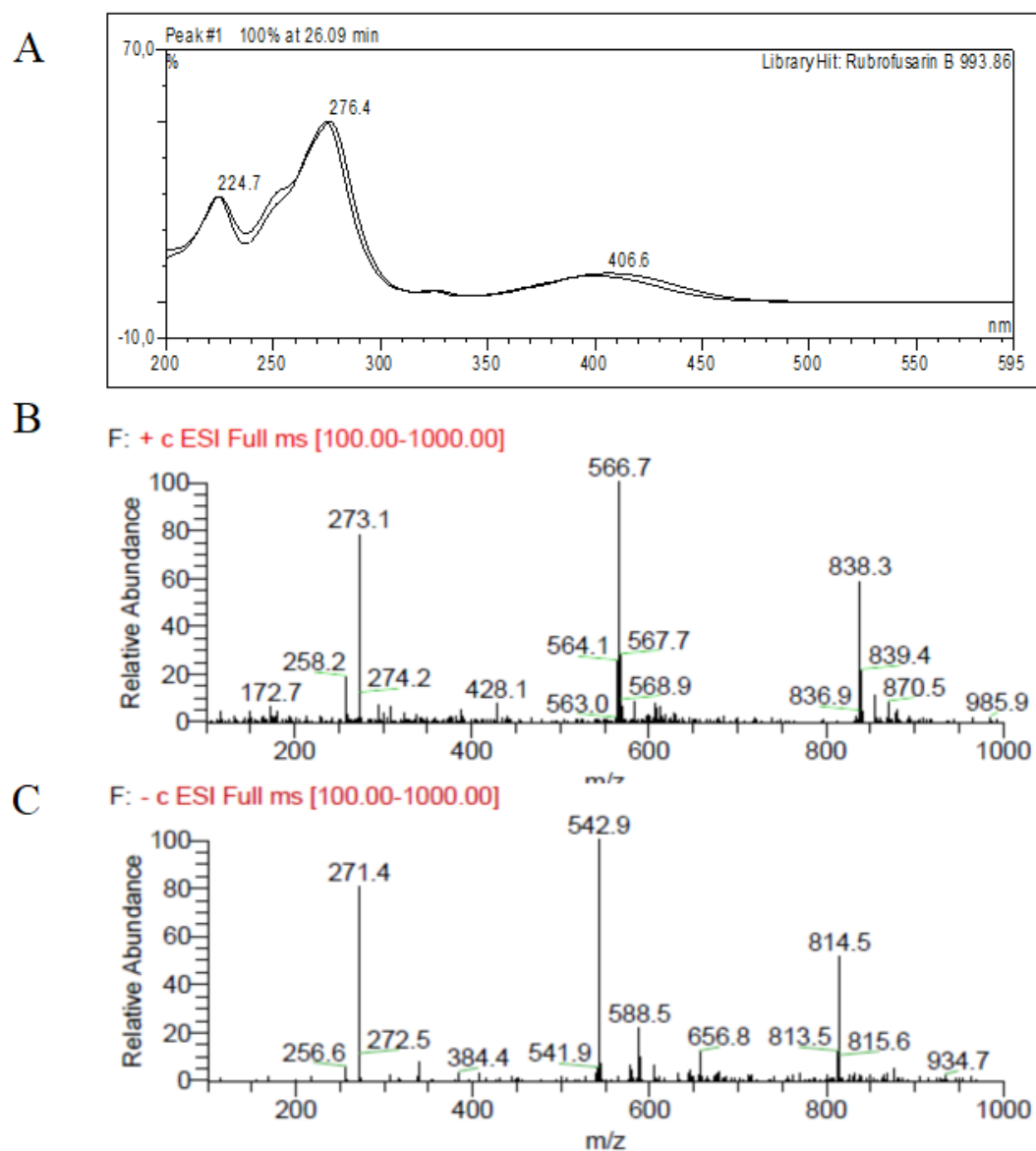


Figure S5. The UV spectrum (A), ESI-MS positive mode (B), ESI-MS negative mode (C) of TMC 256 A1 (**3**).

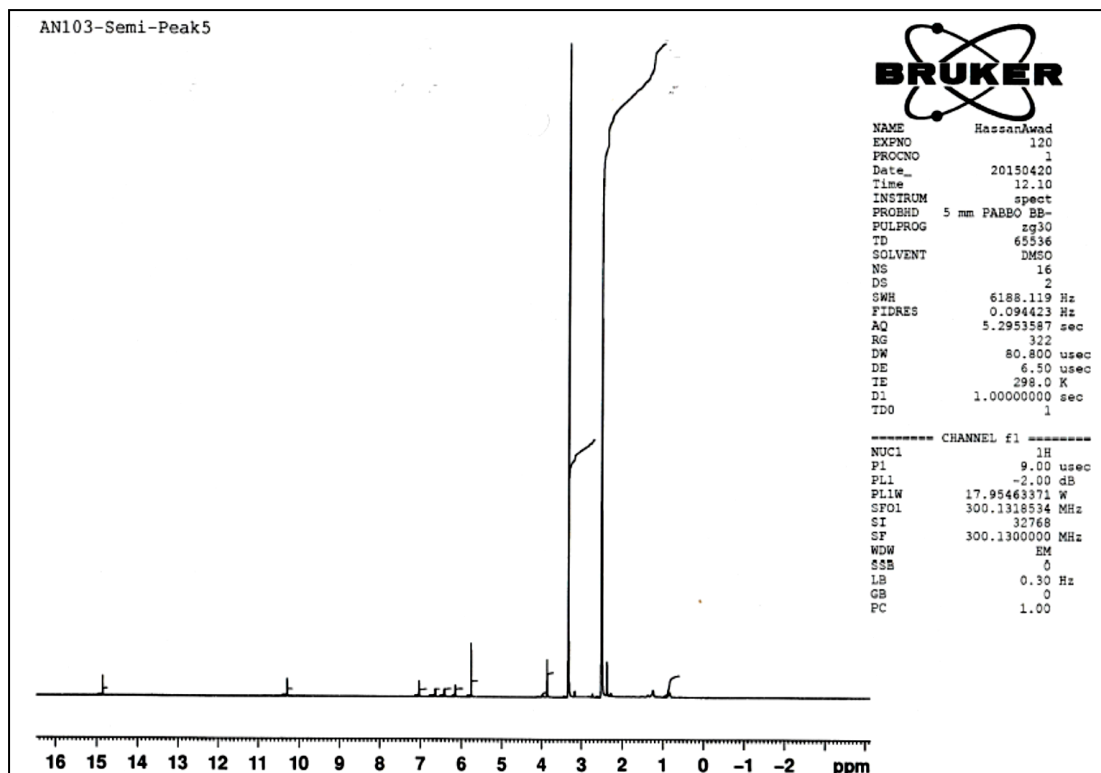


Figure S6. ^1H NMR spectrum of TMC 256 A1 (**3**) measured in DMSO.

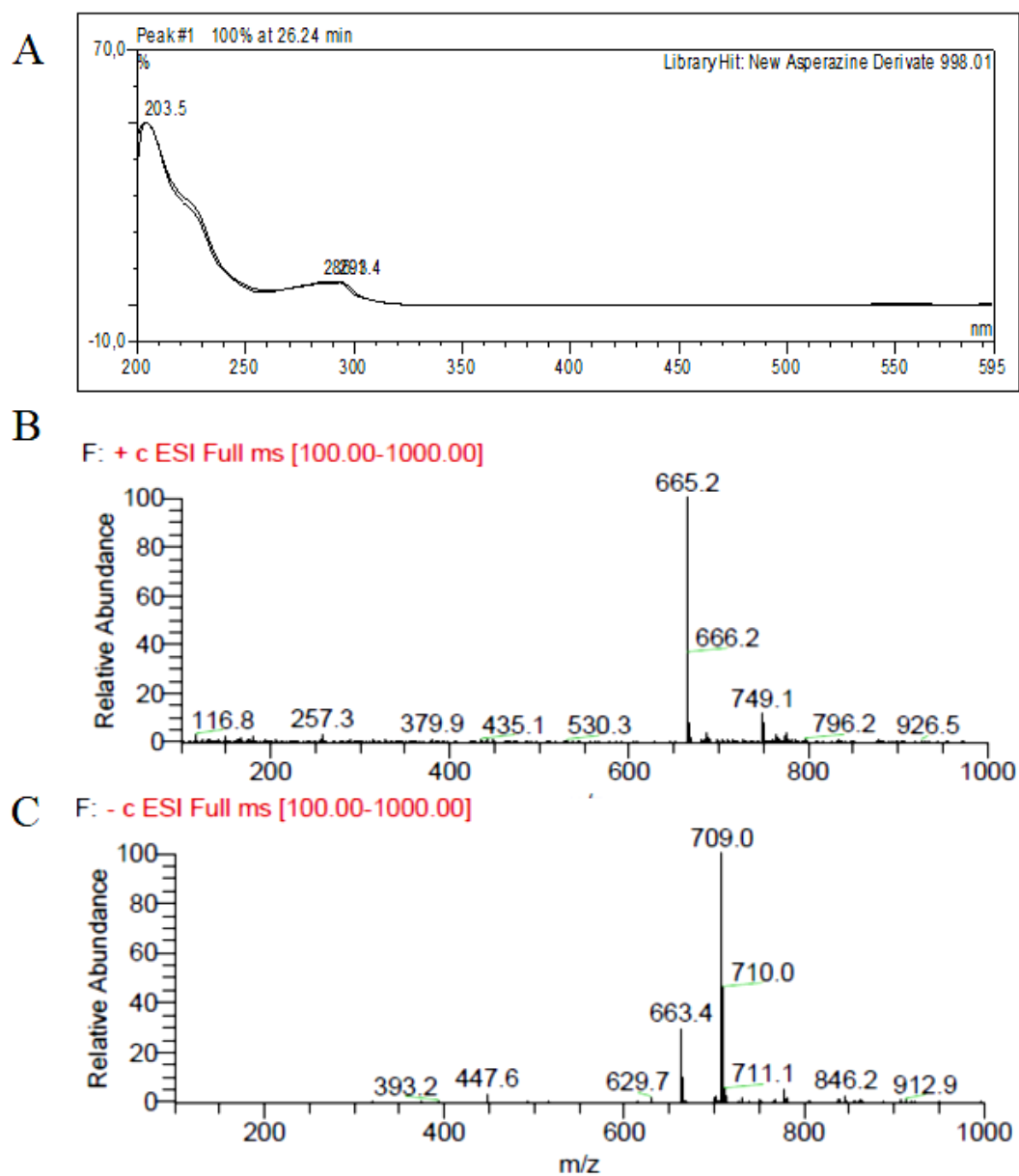


Figure S7. The UV spectrum (A), ESI-MS positive mode (B), ESI-MS negative mode (C) of Asperazine (**4**).

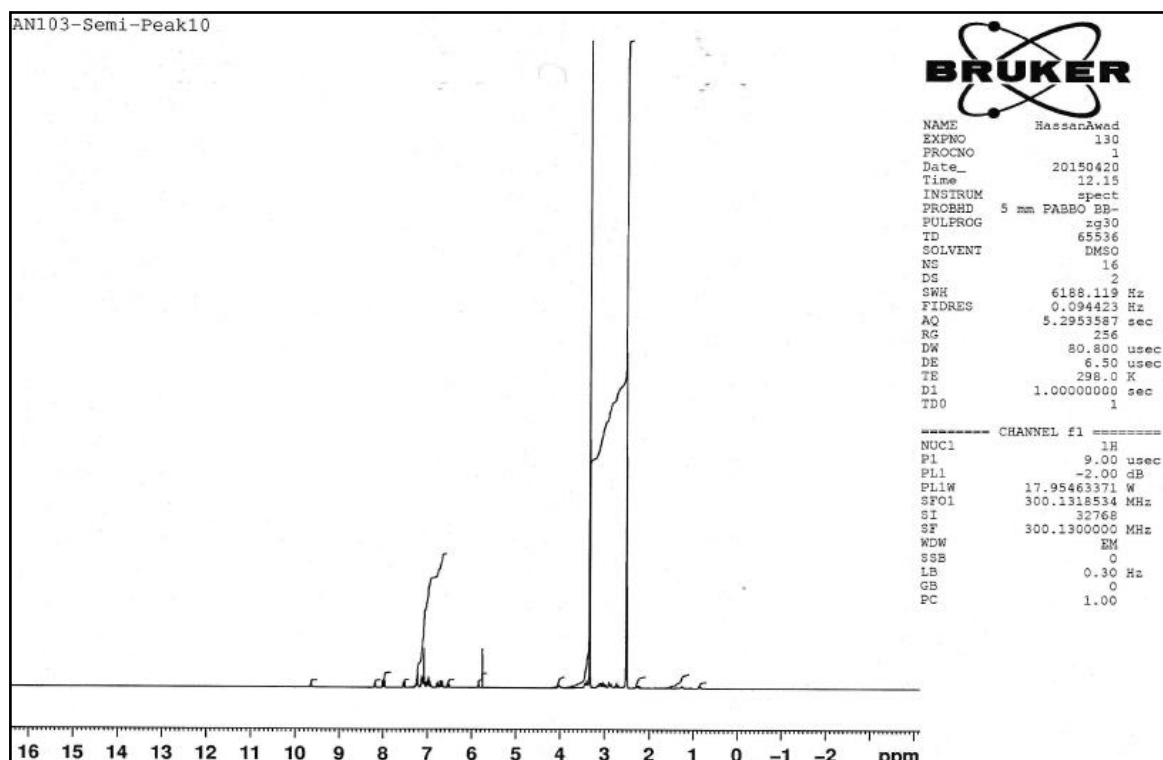


Figure S8. ^1H NMR spectrum of Asperazine (**4**) measured in DMSO.