

Supplementary Information

Investigation of the antibacterial activity of new quinazoline derivatives against MRSA and QRSA multidrug-resistant clinical isolates

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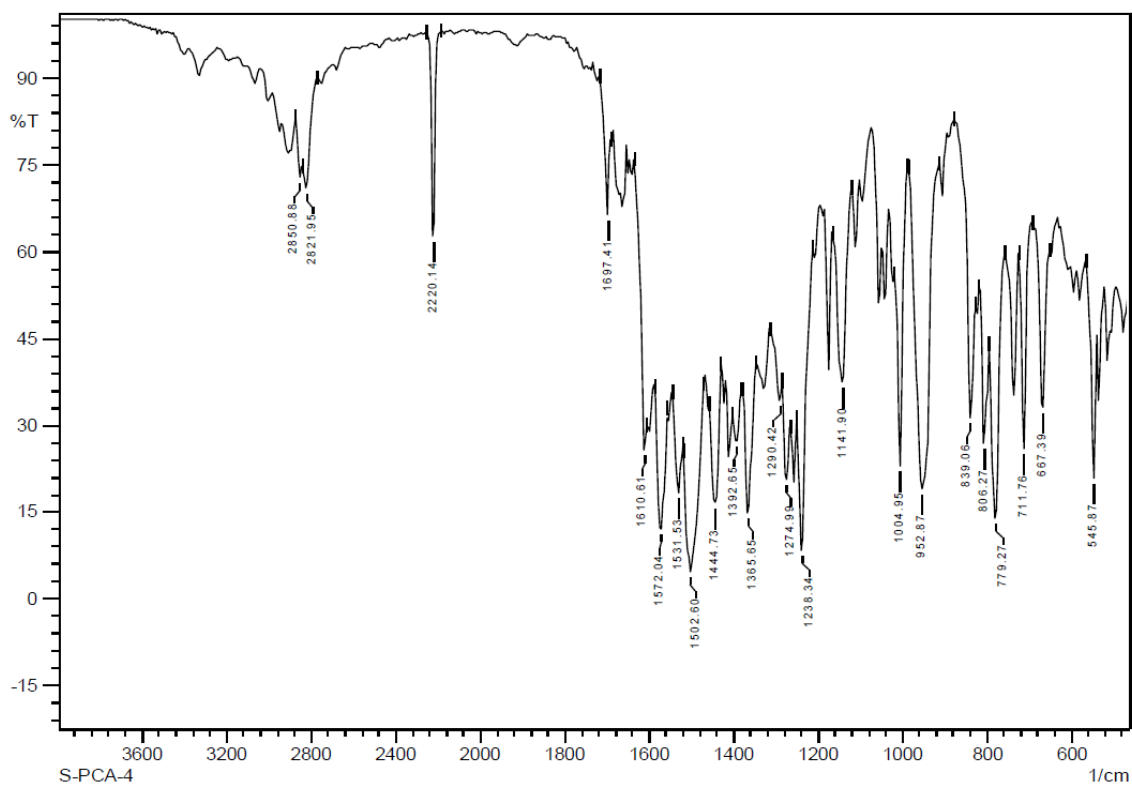


Figure S1: FT-IR spectrum of compound **2**

NUCLEUS : H1
 FRQ (MHz) : 399.76
 AT (sec) : 4.30
 SW (ppm) : 19.07
 RD (sec) : 2.00
 PW (usec) : 11.20
 Scans : 512
 Solvent : dmsd
 Data Points : 65536
 LB (Hz) : 1.50
 TEMP (K) : 298.15
 EXP : PRESAT
 DATE : Jan 8 2019
 System : VNMR8_400

5 IN DMSO
 FOR PROTON NMR
 VARIAN 400 MHz

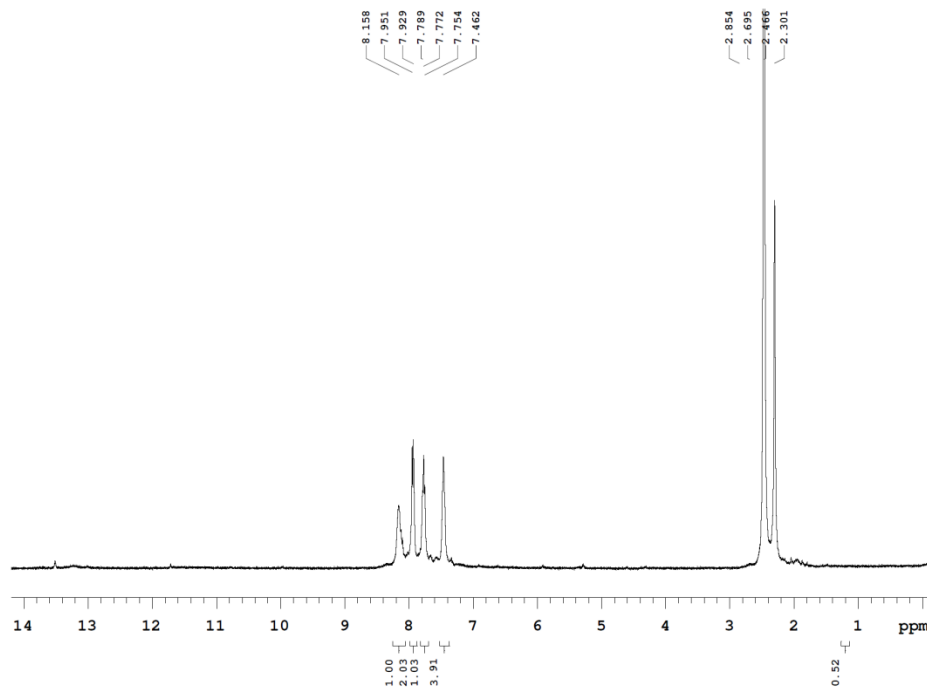


Figure S2: ¹H NMR spectrum of compound **2**

NUCLEUS : C13
 FREQ (MHz) : 100.53
 AT (sec) : 1.39
 SW (ppm) : 234.62
 RD (sec) : 2.00
 PW (usec) : 4.90
 Scans : 2000
 Solvent : dmsd
 Data Points : 65536
 LB (Hz) : 1.00
 TEMP (K) : 297.15
 EXP : szpul
 DATE : Jan 9 2019
 System : VNMR5_400

 5 IN DMSO
 FOR CARBON NMR
 VARIAN 400 MHz

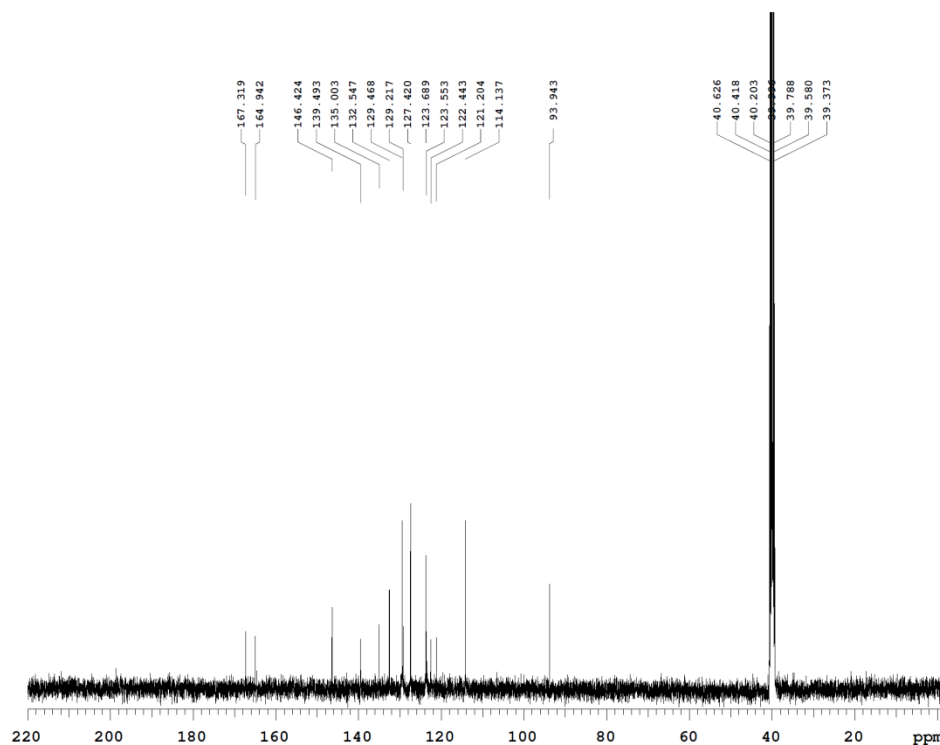


Figure S3: ^{13}C NMR spectrum of compound **2**

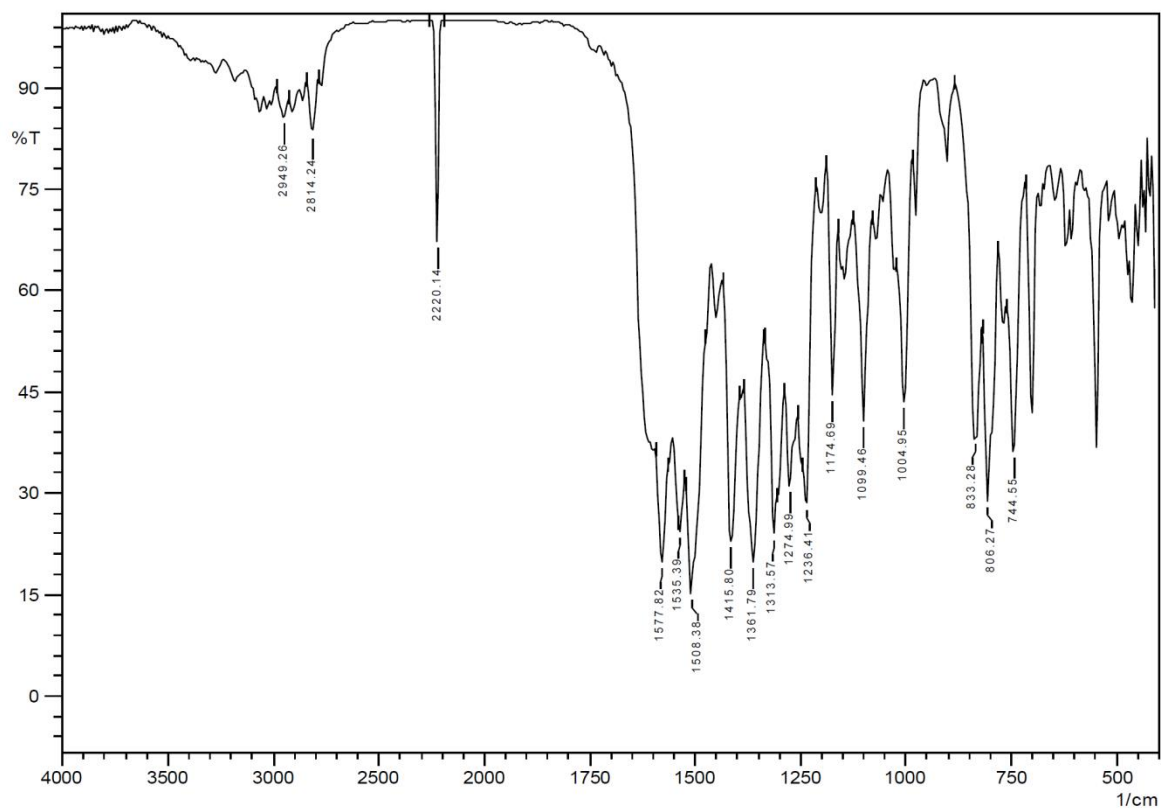


Figure S4: FT-IR spectrum of compound **2**

NUCLEUS : H1
 FRQ (MHz) : 399.74
 AT (sec) : 2.73
 SW (ppm) : 15.03
 RD (sec) : 2.00
 PW (usec) : 6.70
 Scans : 64
 Solvent : dmsc
 Data Points : 32768
 LB (Hz) : 1.50
 TEMP (K) : 297.15
 EXP : s2pul
 DATE : Jun 21 2018
 System : VNMR5_400

06 IN DMSO
 FOR PROTON NMR
 VARIAN 400 MHz

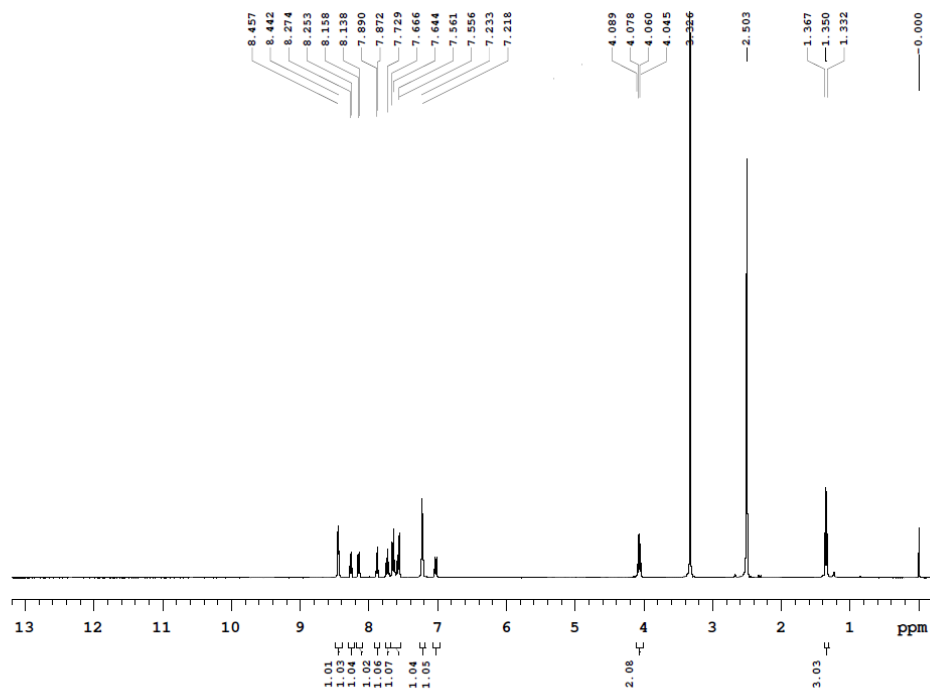


Figure S5: ^1H NMR spectrum of compound **3**

NUCLEUS : C13
 FRQ (MHz) : 100.52
 AT (sec) : 1.39
 SW (ppm) : 234.62
 RD (sec) : 2.00
 PW (usec) : 2.40
 Scans : 1000
 Solvent : dmsc
 Data Points : 65536
 LB (Hz) : 0.50
 TEMP (K) : 297.15
 EXP : s2pul
 DATE : Jun 21 2018
 System : VNMR5_400

06 IN DMSO
 FOR CARBON NMR
 VARIAN 400 MHz

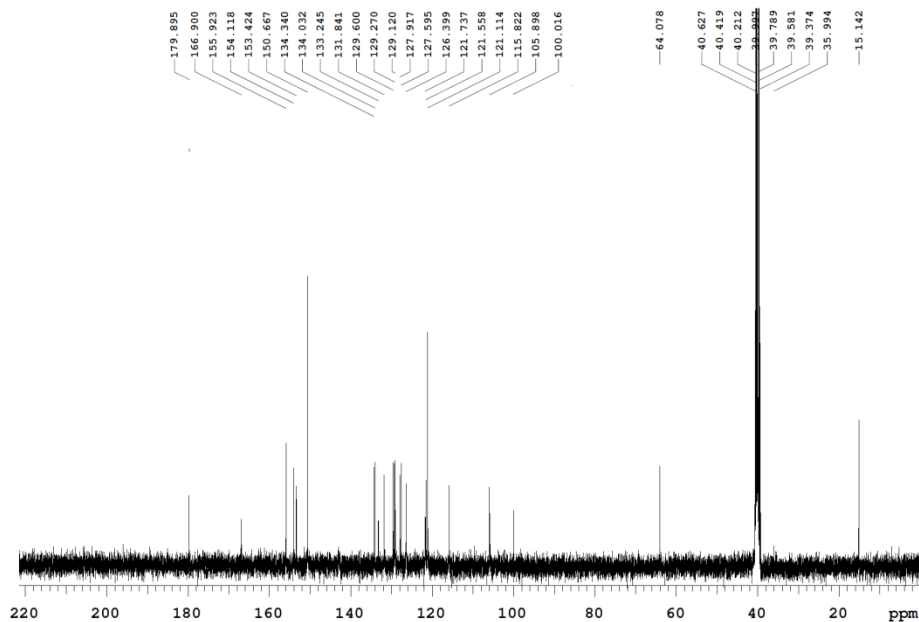


Figure S6: ^{13}C NMR spectrum of compound **3**

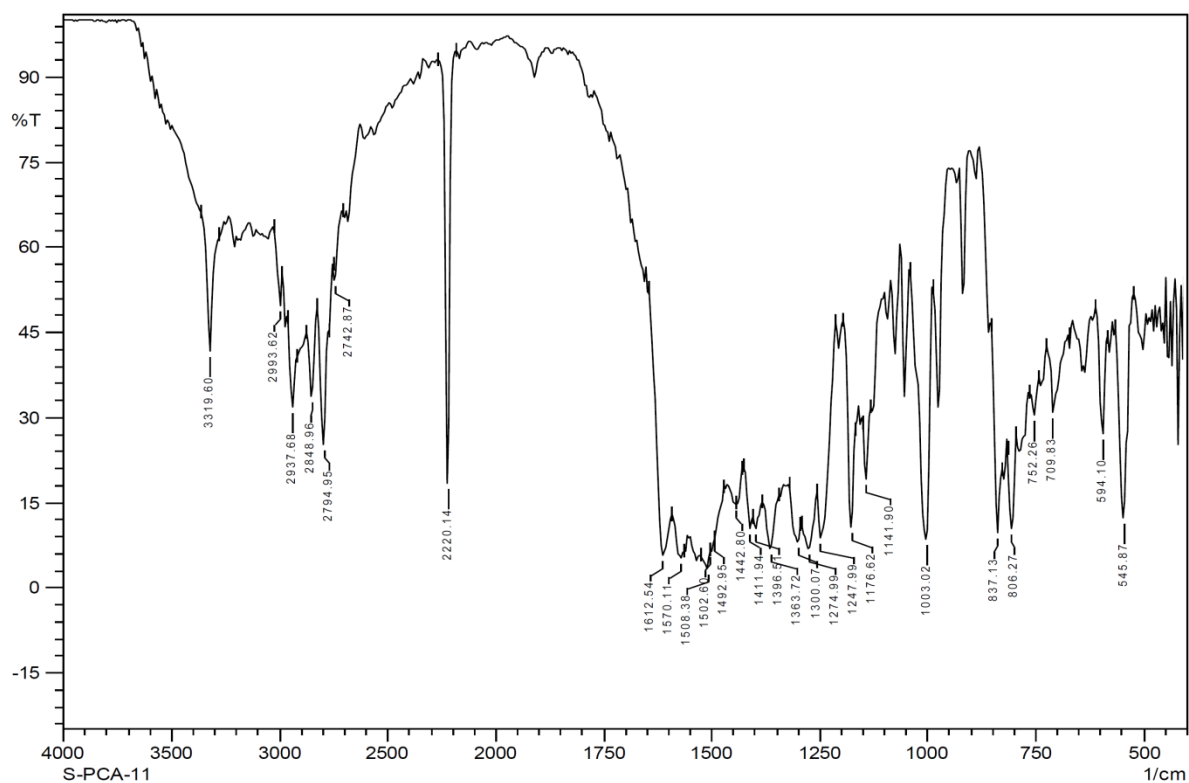


Figure S7: FT-IR spectrum of compound **4**

NUCLEUS : H1
 FREQ (MHz) : 399.74
 AT (sec) : 2.73
 SW (ppm) : 15.03
 RD (sec) : 2.00
 PW (usec) : 6.70
 Scans : 64
 Solvent : dmsd
 Data Points : 32768
 LB (Hz) : 1.50
 TEMP (K) : 297.15
 EXP : s2pul
 DATE : Jun 21 2018
 System : VNMR5_400

7 IN DMSO
 FOR PROTON NMR
 VARIAN 400 MHz

VARIAN

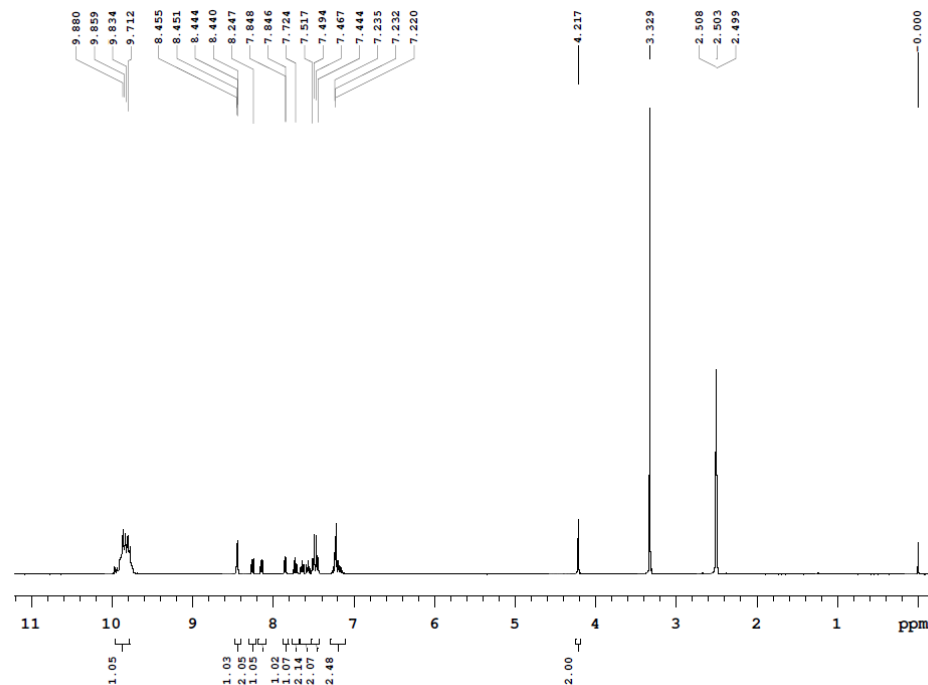


Figure S8: ¹H NMR spectrum of compound **4**

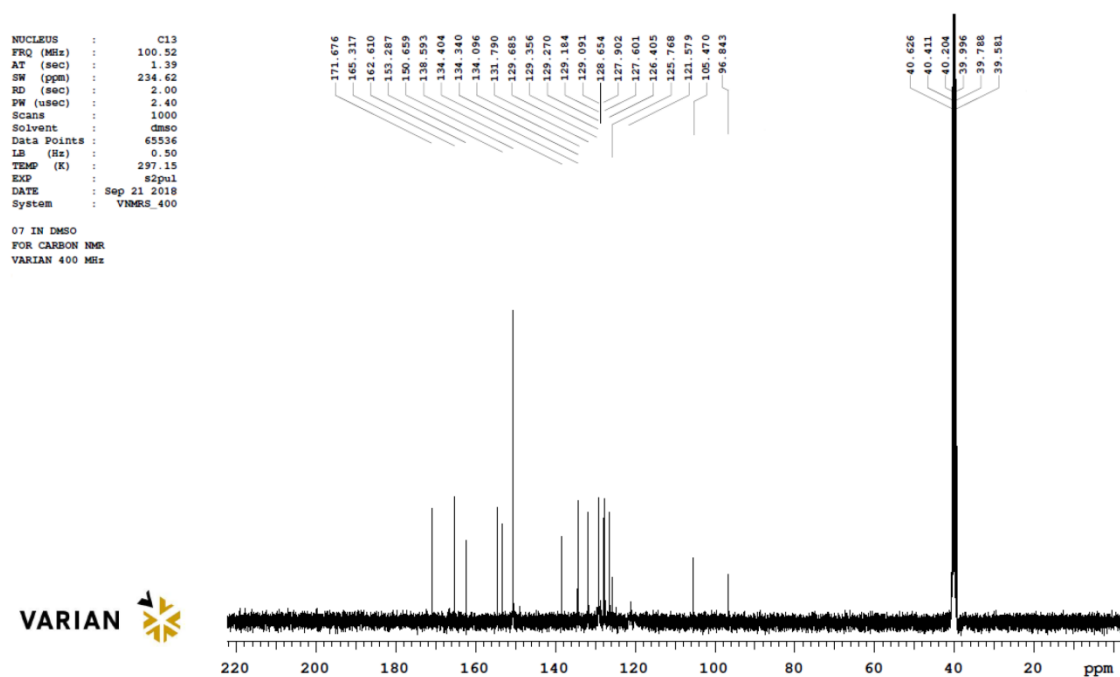


Figure S9: ^{13}C NMR spectrum of compound **4**

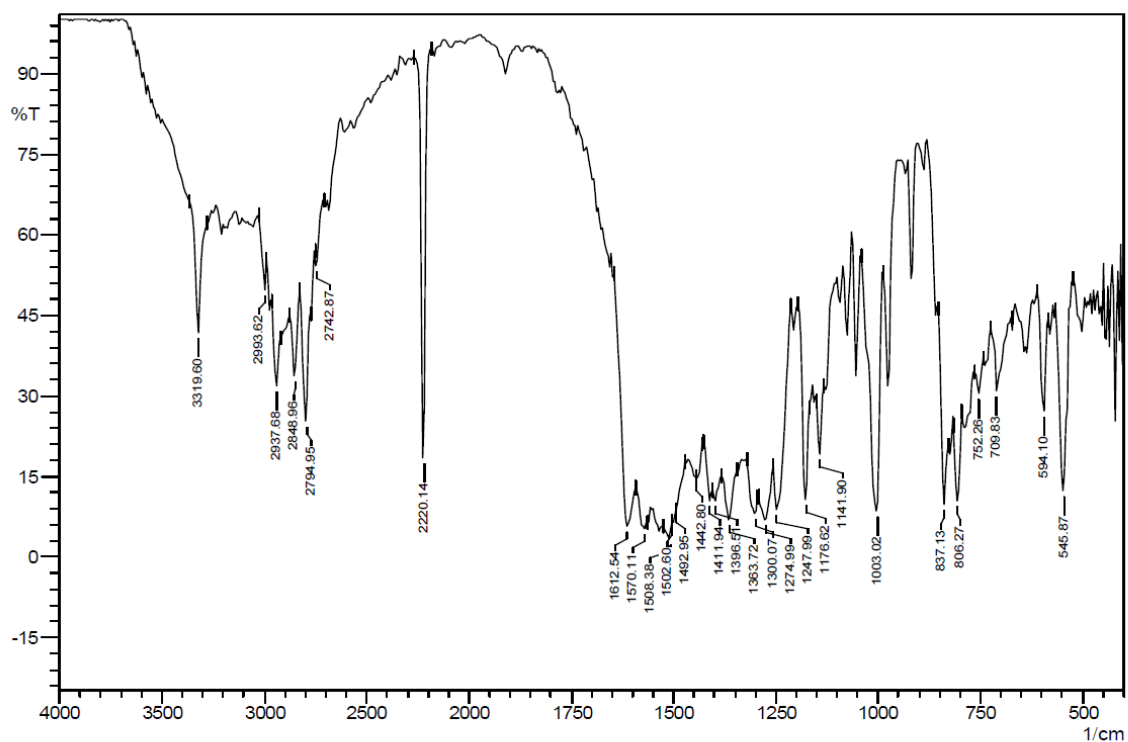


Figure S10: FT-IR spectrum of compound **6**

NUCLEUS : H1
 FRQ (MHz) : 399.72
 AT (sec) : 4.80
 SW (ppm) : 17.09
 RD (sec) : 2.00
 PW (usec) : 5.60
 Scans : 128
 Solvent : dms0
 Data Points : 65536
 LB (Hz) : 1.50
 TEMP (K) : 297.15
 EXP : s2pul
 DATE : Dec 10 2018
 System : VNMR5_400

5B IN DMSO
 FOR PROTON NMR
 VARIAN 400 MHz

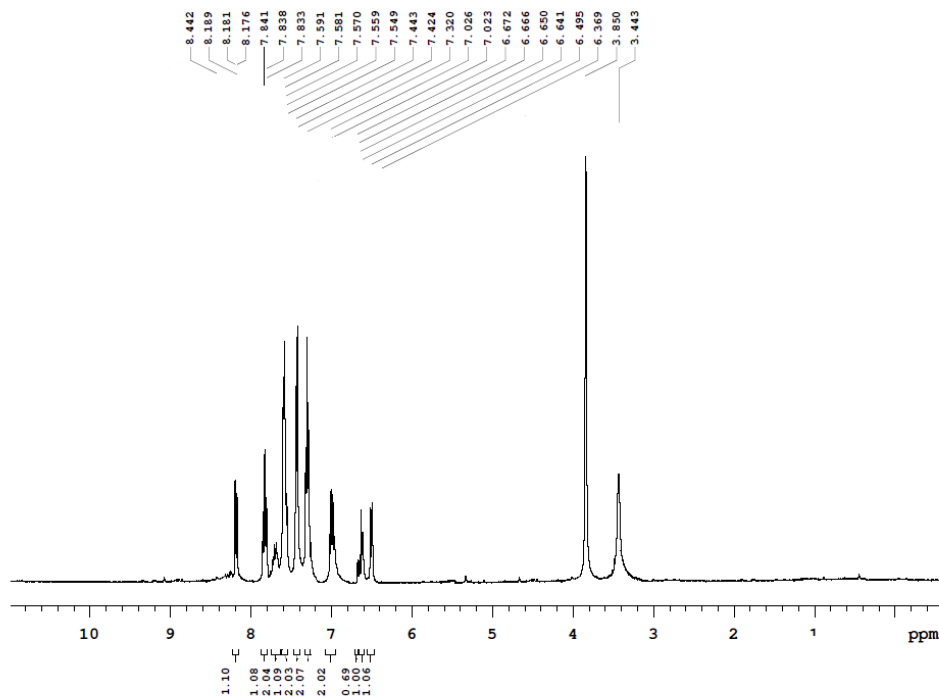


Figure S11: ^1H NMR spectrum of compound 6

FRQ (MHz) : 100.52
 AT (sec) : 1.39
 SW (ppm) : 234.62
 RD (sec) : 2.00
 PW (usec) : 2.40
 Scans : 1000
 Solvent : dms0
 Data Points : 65536
 LB (Hz) : 0.50
 TEMP (K) : 297.15
 EXP : s2pul
 DATE : Jun 21 2018
 System : VNMR5_400

9A IN DMSO
 FOR CARBON NMR
 VARIAN 400 MHz

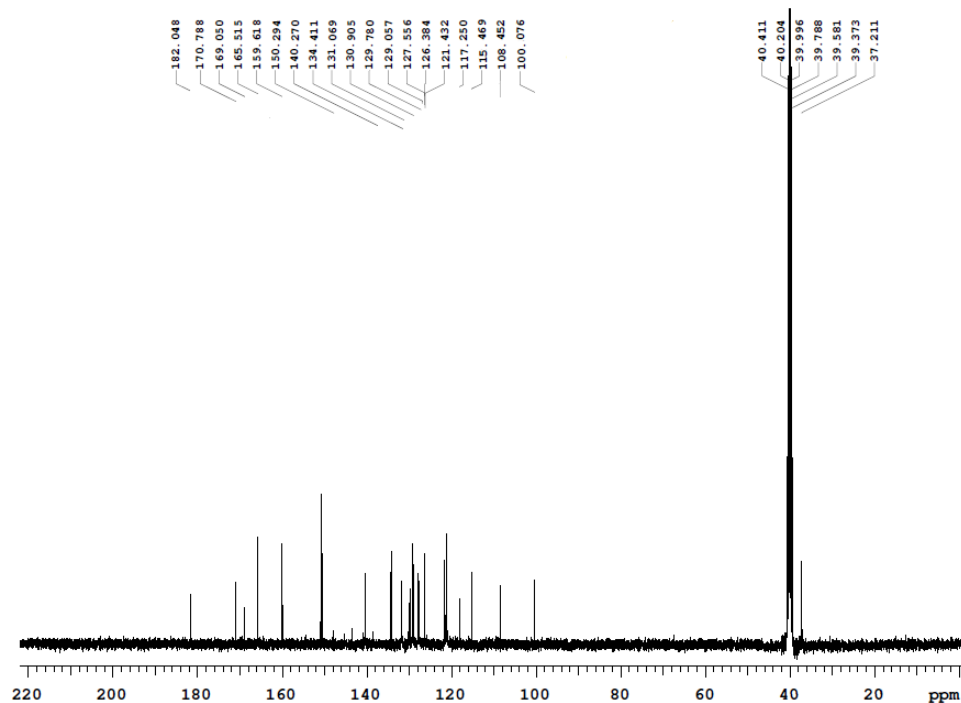


Figure S12: ^{13}C NMR spectrum of compound 6

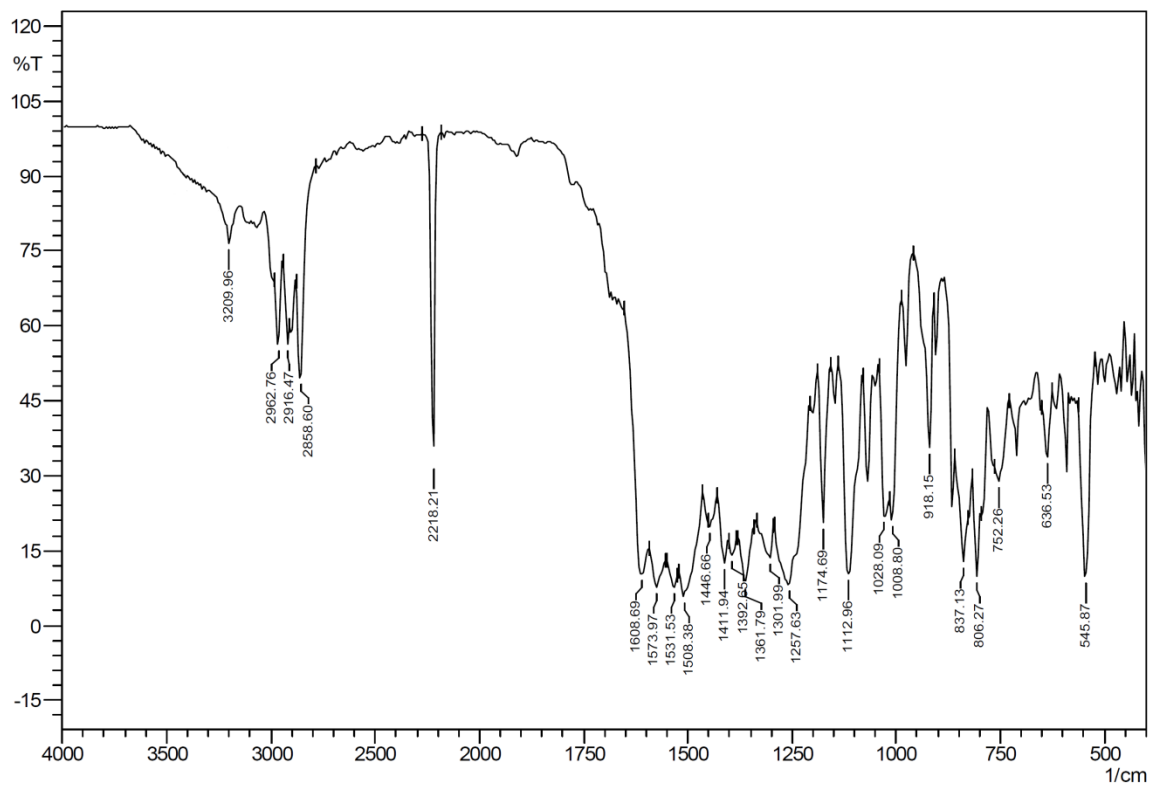


Figure S13: FT-IR spectrum of compound **7a**

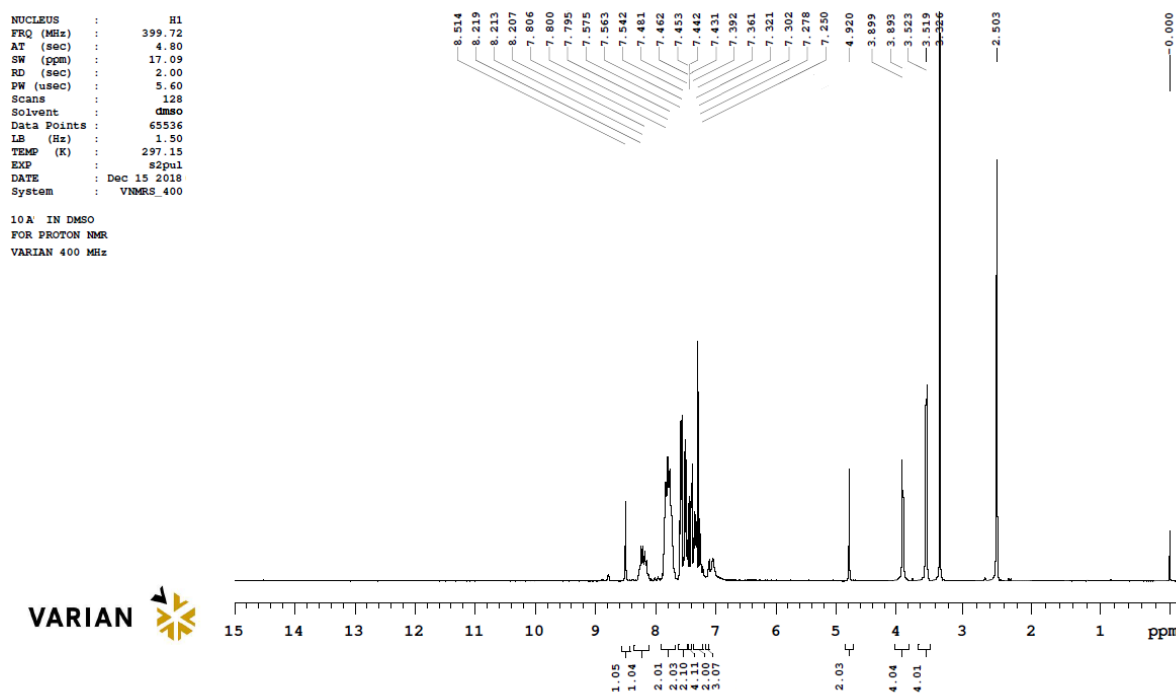


Figure S14: ^1H NMR spectrum of compound **7a**

NUCLEUS : C13
 FRQ (MHz) : 100.52
 AT (sec) : 1.36
 SW (ppm) : 239.13
 RD (sec) : 2.00
 PW (usec) : 2.40
 Scans : 1000
 Solvent : dmsd
 Data Points : 65536
 LB (Hz) : 0.50
 TEMP (K) : 297.15
 EXP : s2pul
 DATE : Dec 10 2018
 System : VNMR5_400

10A IN DMSO
 FOR CARBON NMR
 VARIAN 400 MHz

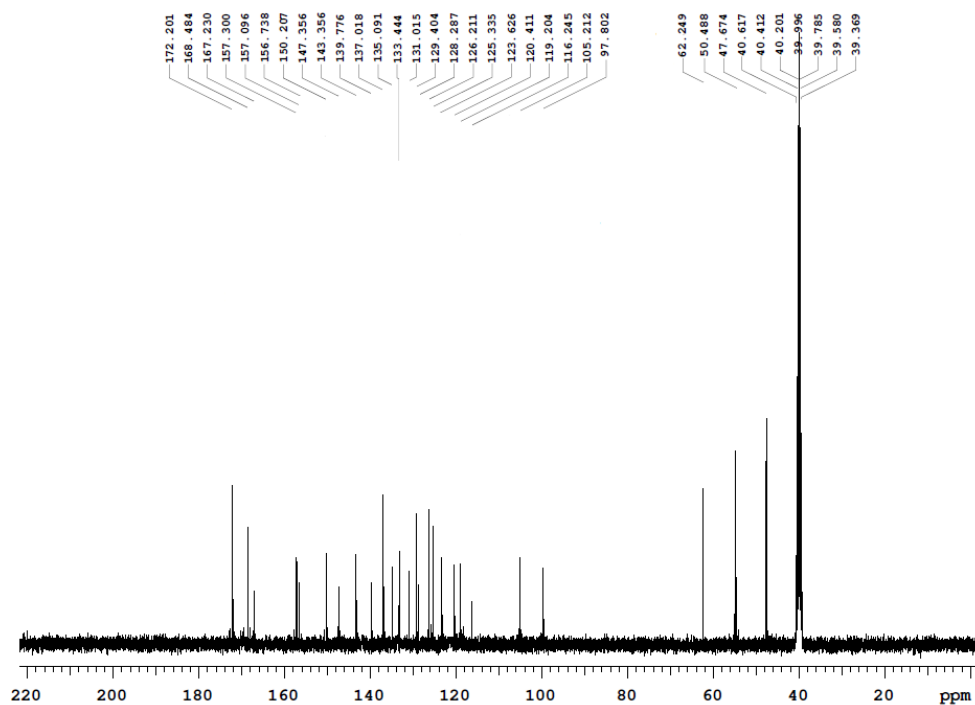


Figure S15: ^{13}C NMR spectrum of compound **7a**

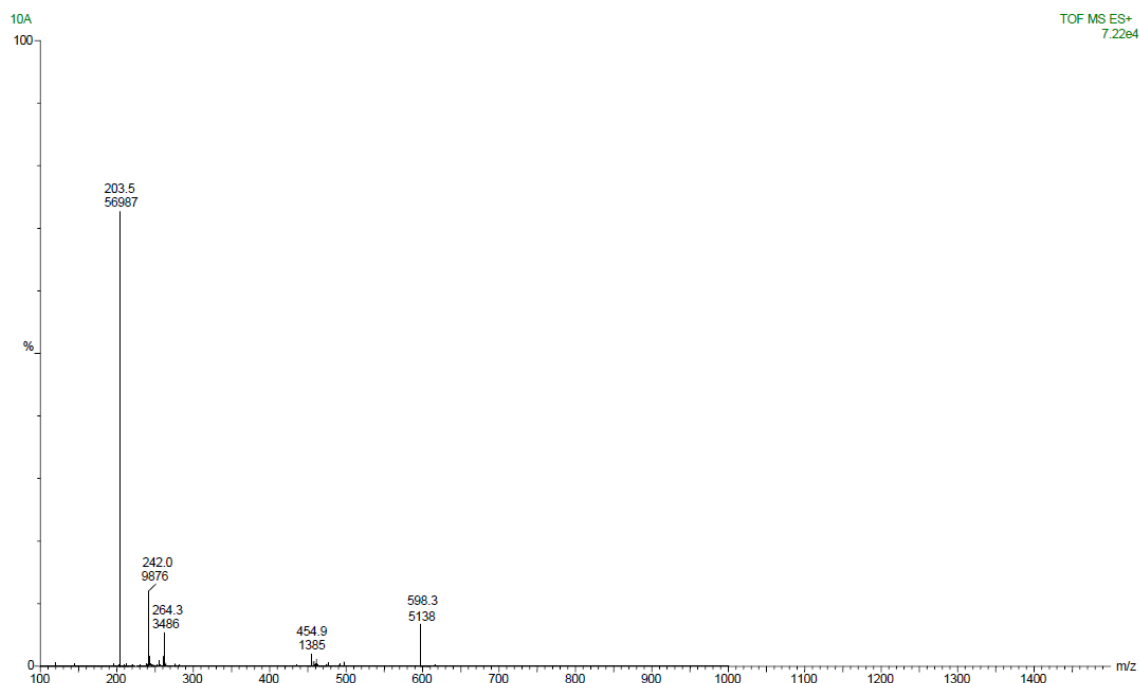


Figure S16: Mass spectrum of compound **7a**