Supporting Information

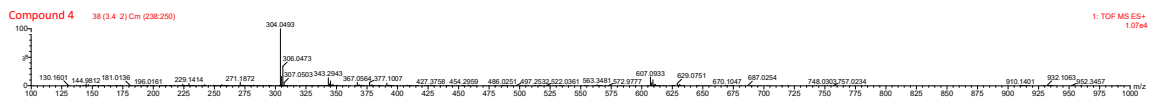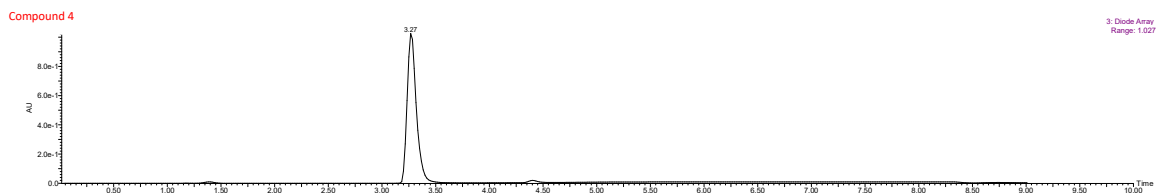# Synthesis of novel potential ROCK inhibitors and their antimigratory effects

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Compound 4

3.27

Compound 4   38 (3.4 2) Cm (238:250)

304.0493

306.0473

130.1601 144.9812 181.0136 196.0161 229.1414 271.1872 307.0503 343.2943 367.0566 377.1007 427.3758 454.2959 486.0251 497.2533 522.0361 563.3481 572.9777 607.0933 629.0751 670.1047 687.0254 748.0303 757.0234 910.1401 932.1063 952.3457

Single Mass Analysis
Tolerance = 5.0 PPM   /   DBE: min = -1.5, max = 50.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3
Monoisotopic Mass, Even Electron Ions
27 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)
Elements Used:

Mass	Calc. Mass	mDa	PPM	DBE	Formula	i-FIT	i-FIT (Norm)	C	H	N	O	Cl
304.0493	304.0489	0.4	1.3	10.5	C14 H11 N3 O3 Cl	231.1	0.0	14	11	3	3	1

Compound 4   238 (3.412) Cm (238:250)
1: TOF MS ES+

1.07e+004

304.0493

306.0473

144.9812   229.1414 271.1872   343.2943 367.0564   427.3758   486.0251   563.3481   607.0933   629.0751   670.1047 748.0303 765.3291   910.1401   932.1063
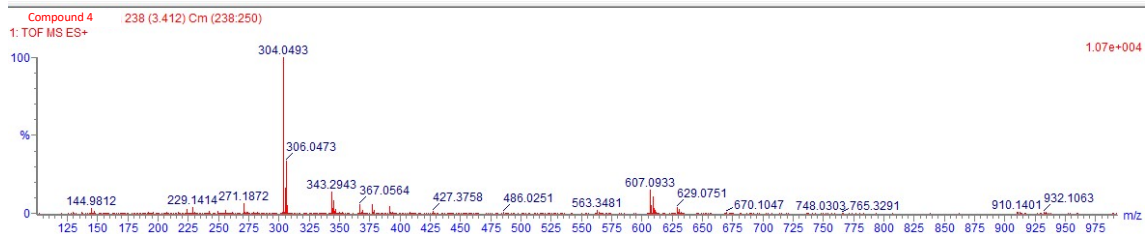
Figure S1: HR-ESI-MS Spectrum of **4**
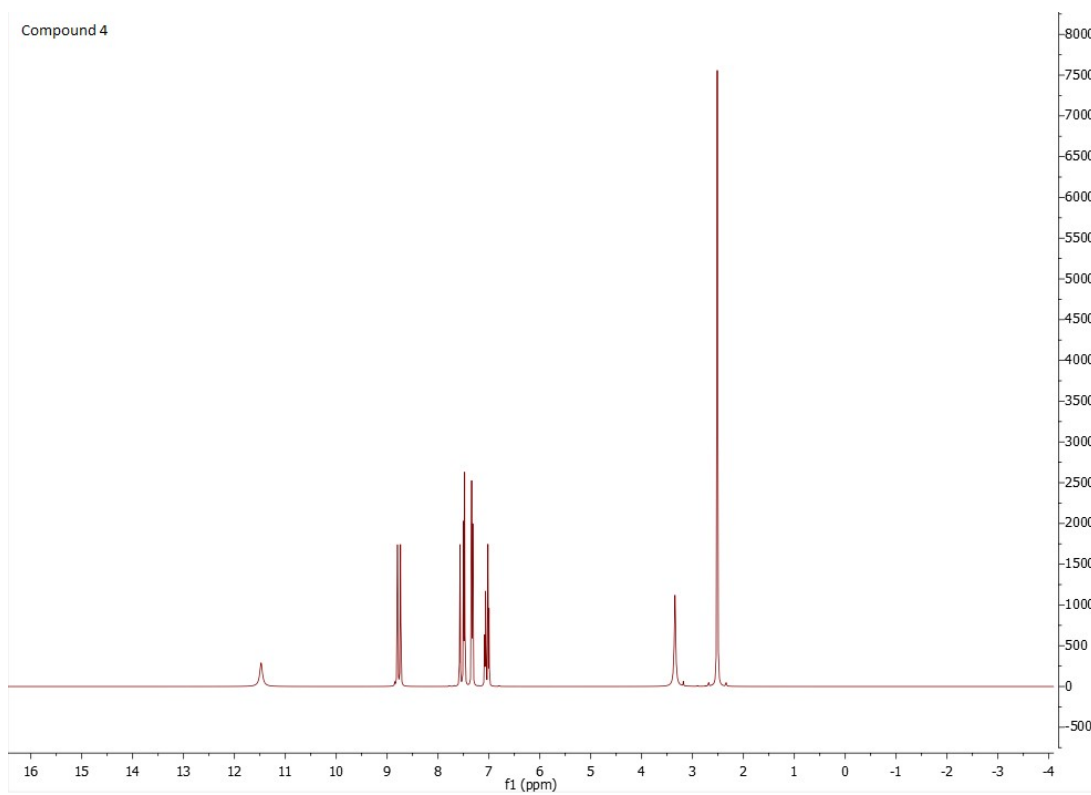
Compound 4

Figure S2: ^{1}H-NMR (400 MHz, DMSO) Spectrum of **4**
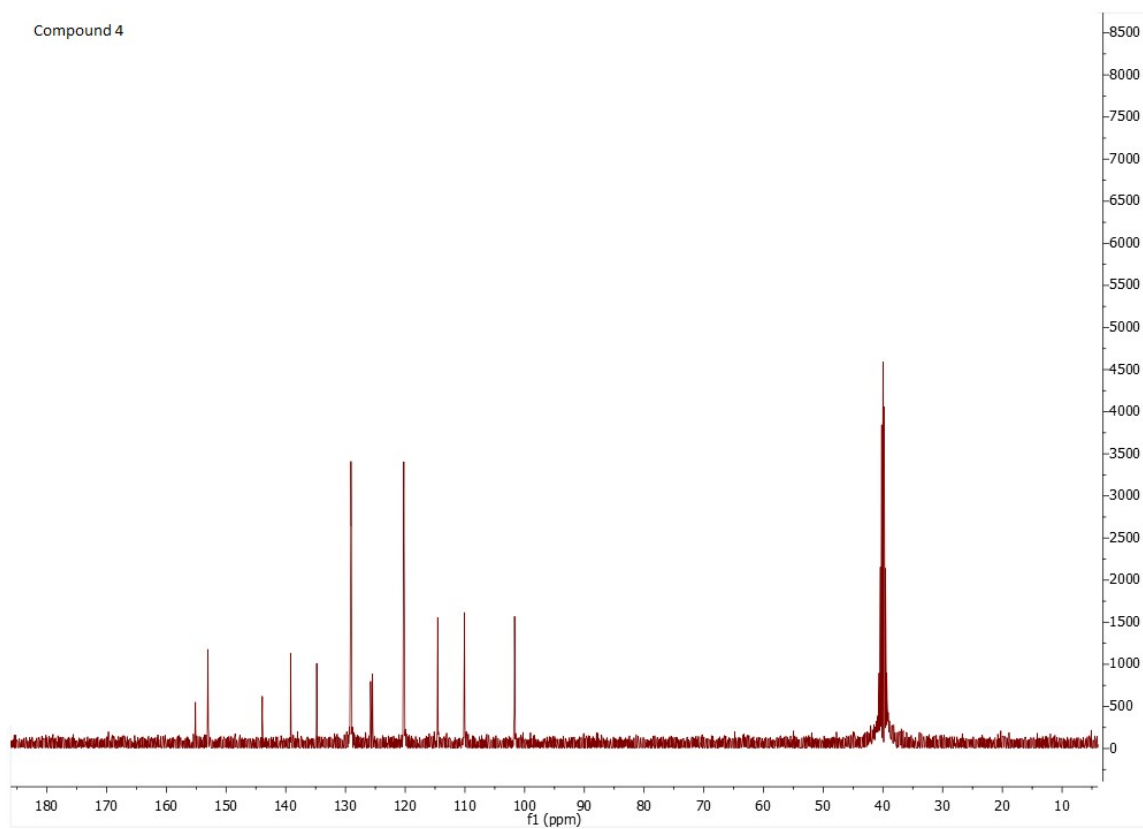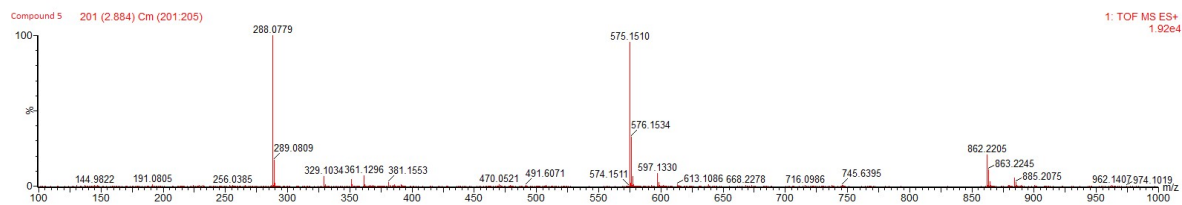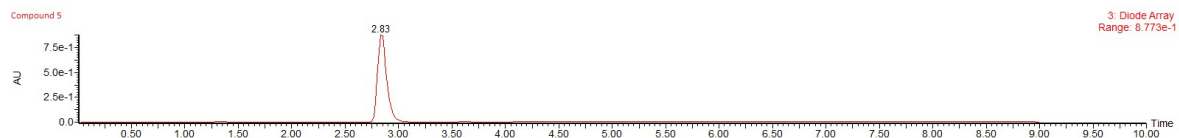
Compound 4

Figure S3: ^{13}C-NMR (100 MHz, DMSO) Spectrum of **4**

Single Mass Analysis
Tolerance = 5.0 PPM / DBE: min = -1.5, max = 50.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3
Monoisotopic Mass, Even Electron Ions
52 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)
Elements Used:

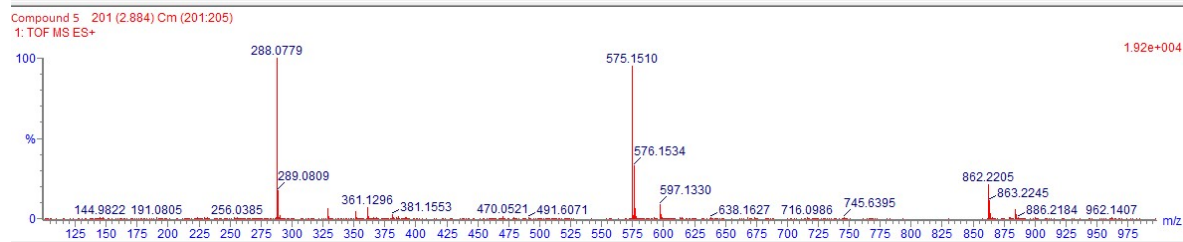| Mass	Calc. Mass	mDa	PPM	DBE	Formula	i-FIT	i-FIT (Norm)	C	H	N	O	F
288.0779	288.0784	-0.5	-1.7	10.5	C14 H11 N3 O3 F	336.9	0.0	14	11	3	3	1

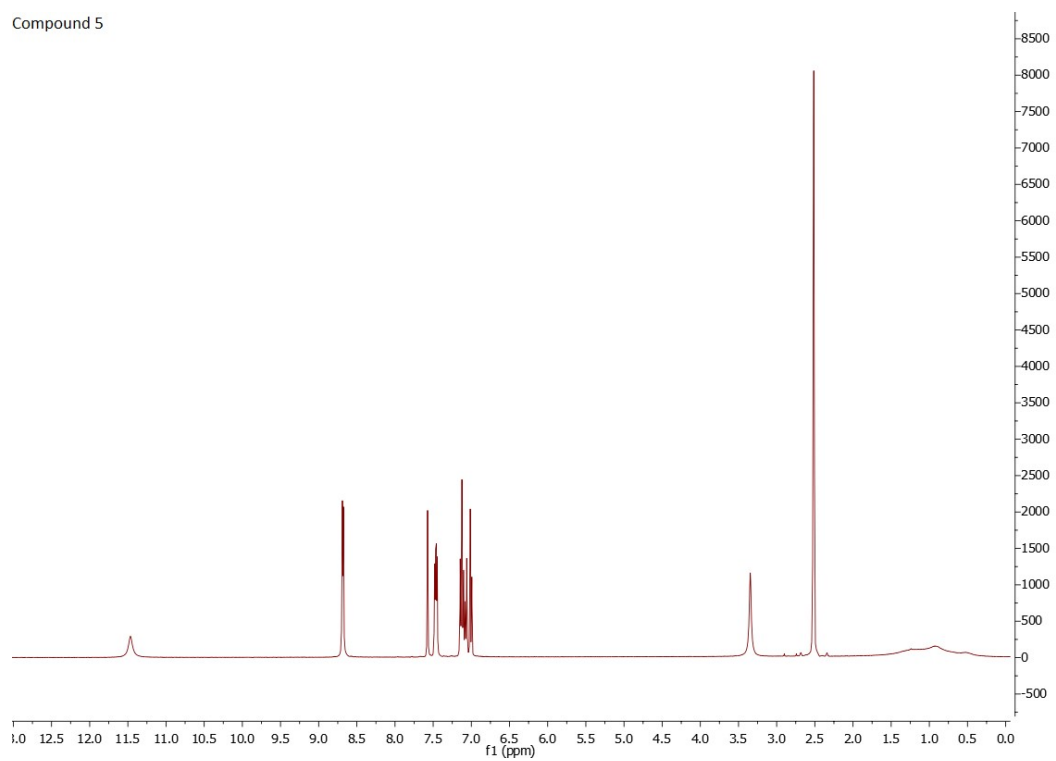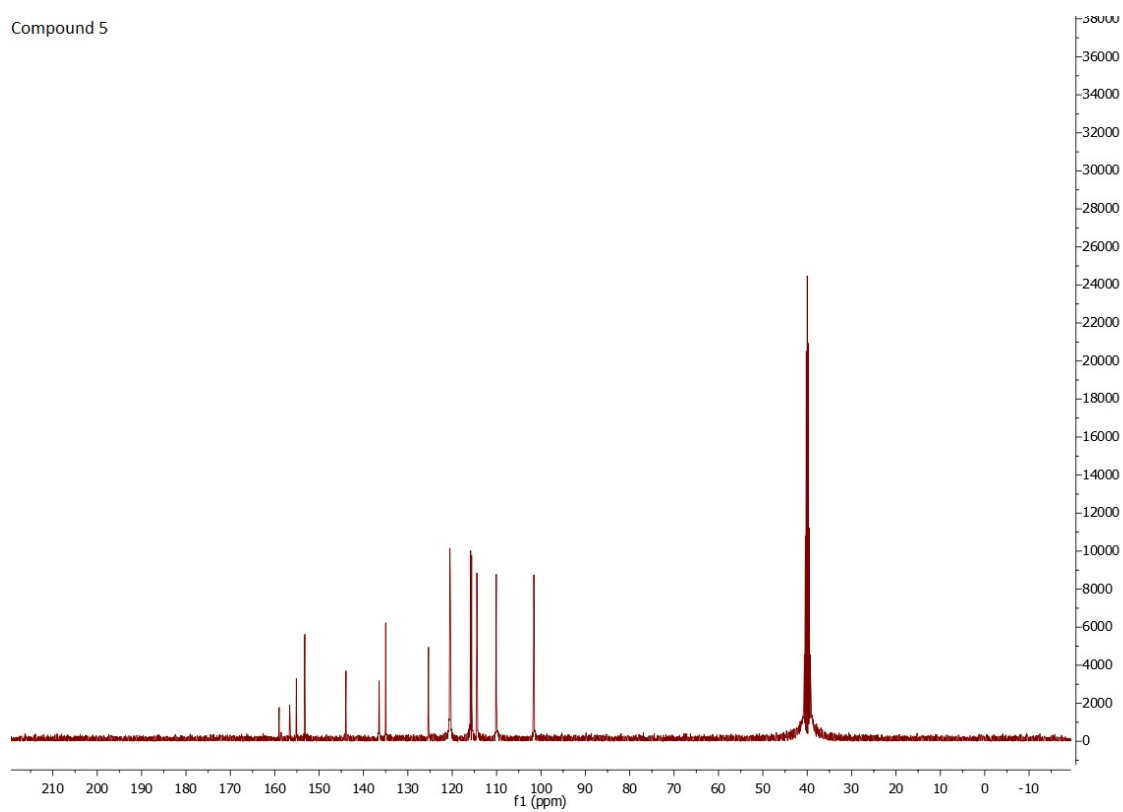**Figure S4:** HR-ESI-MS Spectrum of **5**

Compound 5

Figure S5: [^1]H-NMR (400 MHz, DMSO) Spectrum of **5**
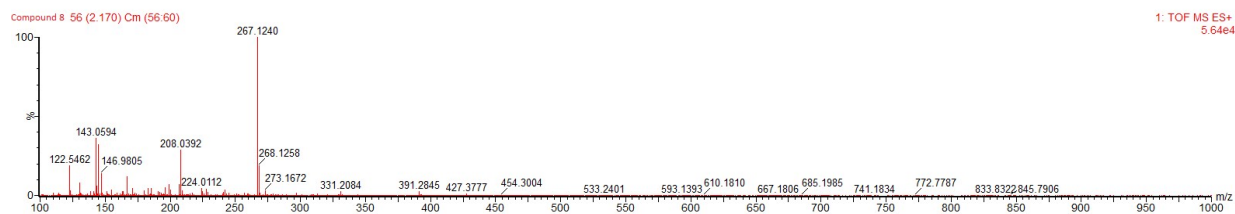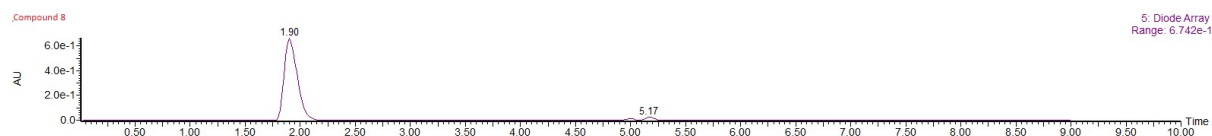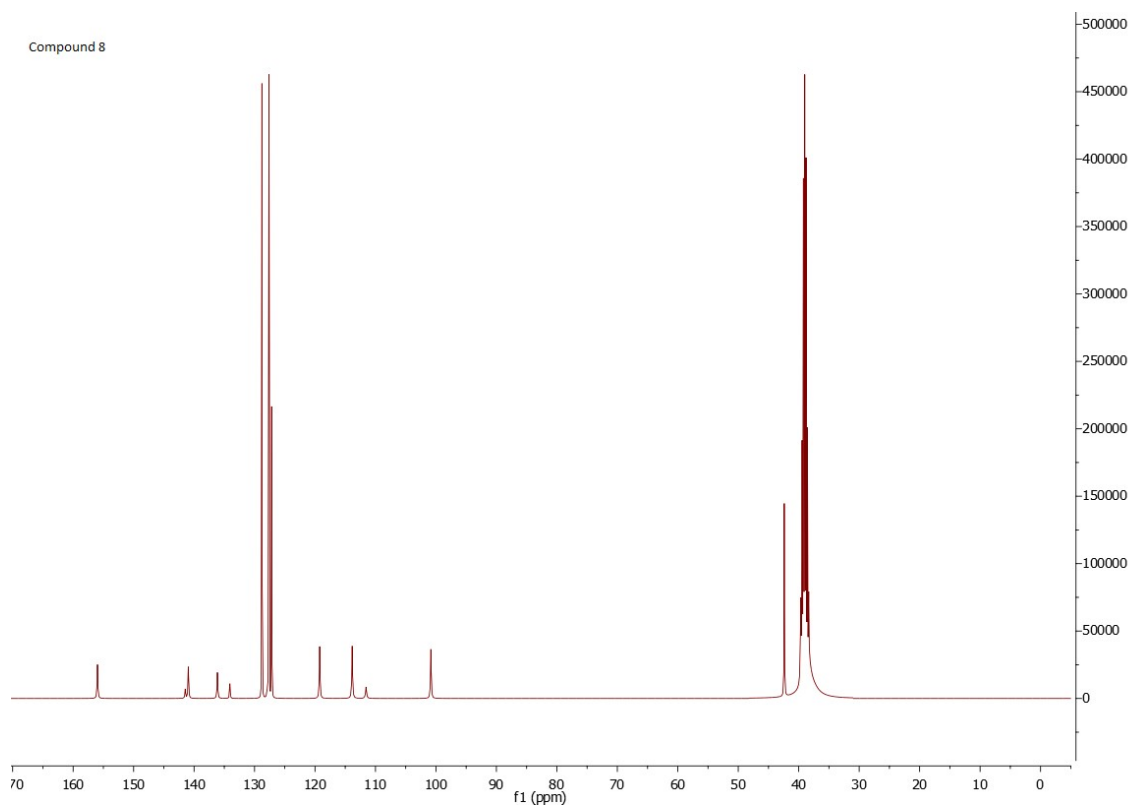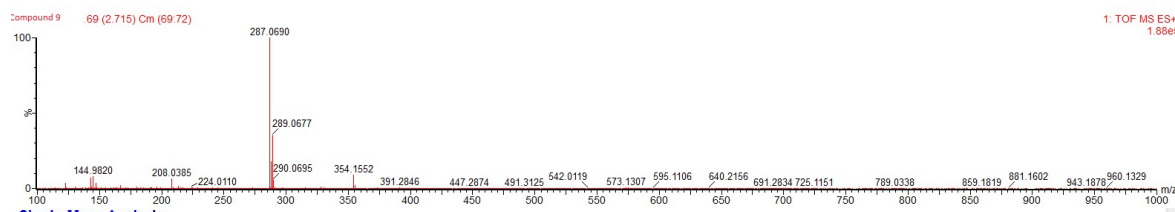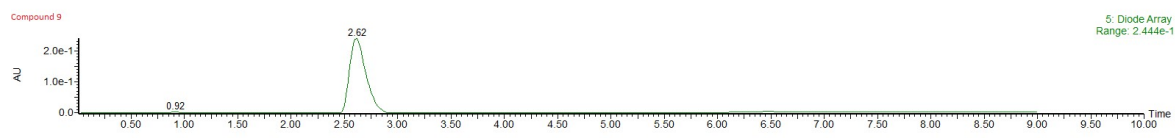
Compound 5

Figure S6: ^{13}C-NMR (100 MHz, DMSO) Spectrum of **5**

Single Mass Analysis
Tolerance = 5.0 PPM   /   DBE: min = -1.5, max = 50.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3
Monoisotopic Mass, Even Electron Ions
13 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)
Elements Used:

Mass	Calc. Mass	mDa	PPM	DBE	Formula	i-FIT	i-FIT (Norm)	C	H	N	O
267.1240	267.1246	-0.6	-2.2	10.5	C15 H15 N4 O	174.3	0.0	15	15	4	1
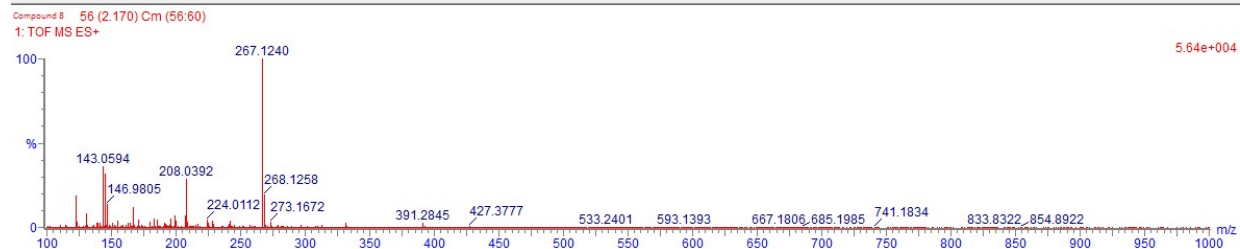
Figure S7: HR-ESI-MS Spectrum of **8**

8

Compound 8
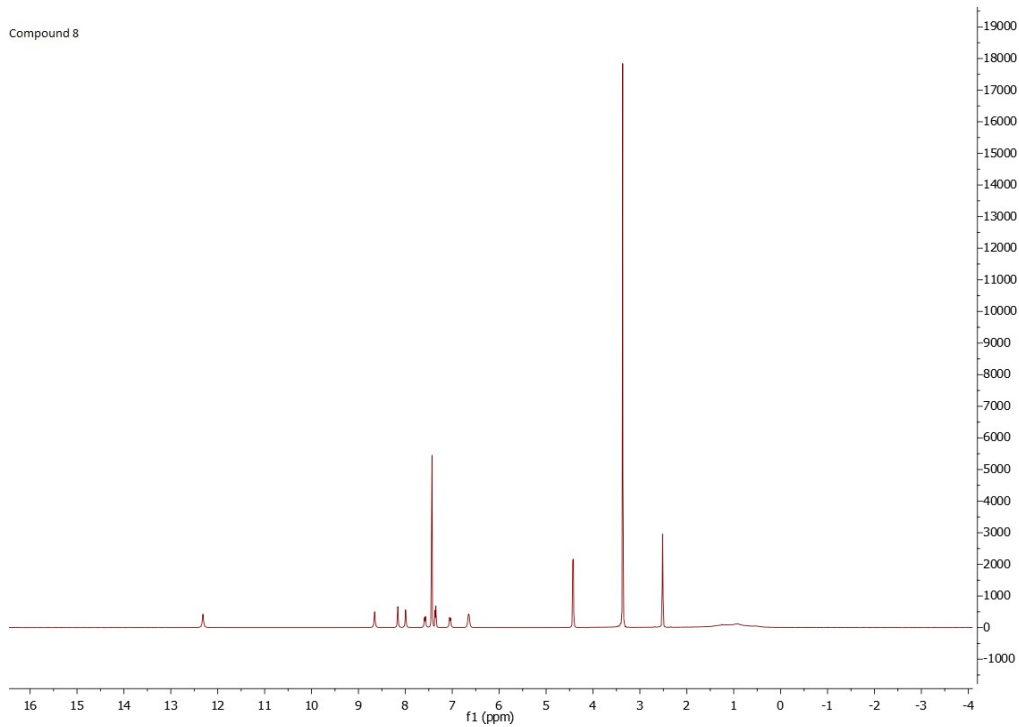
Figure S8: ^{1}H-NMR (400 MHz, DMSO) Spectrum of **8**

Compound 8

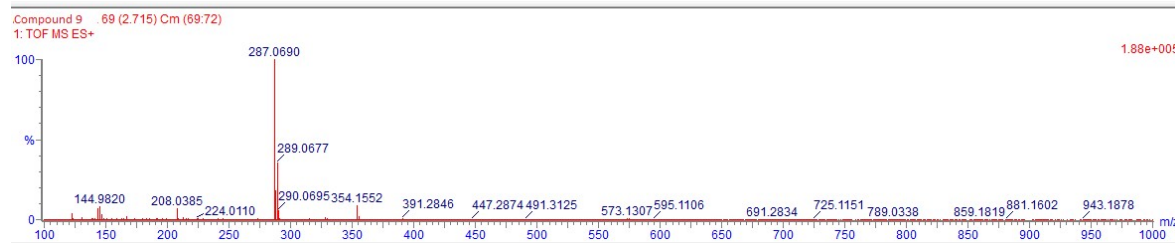**Figure S9:** ^{13}C-NMR (100 MHz, DMSO) Spectrum of **8**

Figure S10: HR-ESI-MS Spectrum of **9**
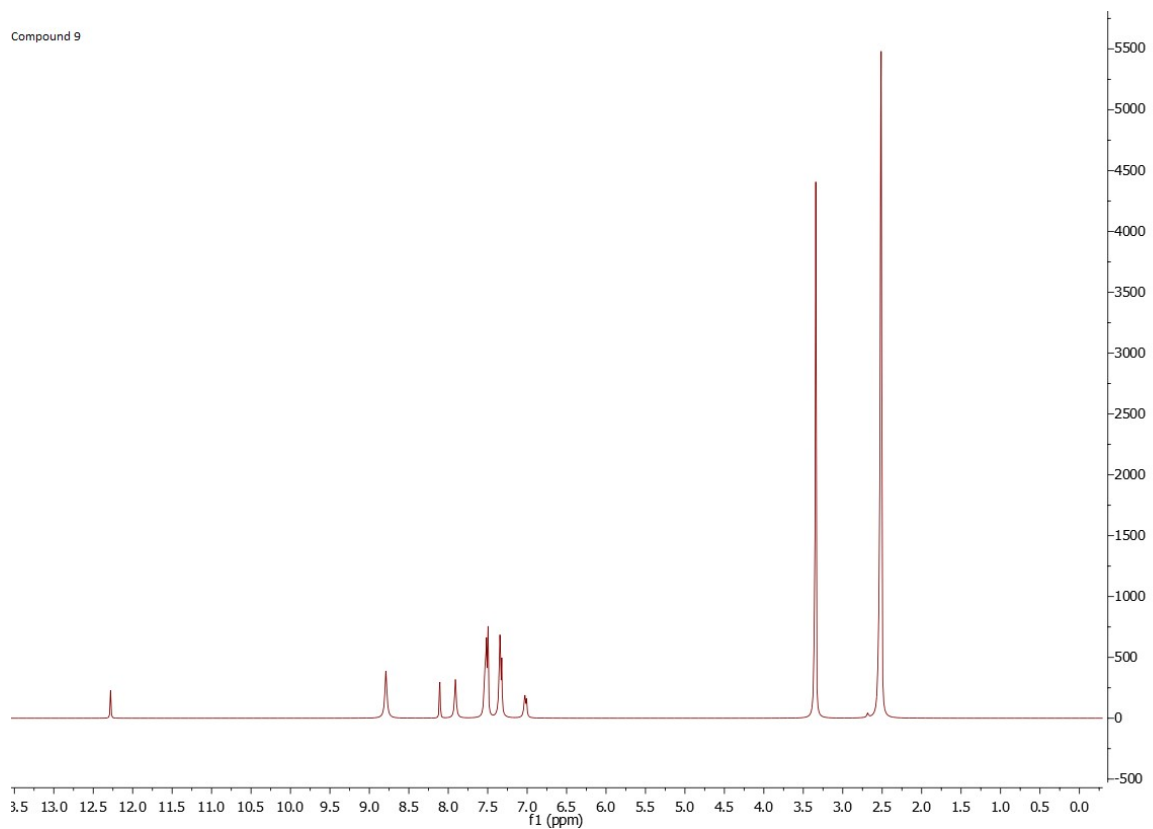
Compound 9

Figure S11: ^{1}H-NMR (400 MHz, DMSO) Spectrum of **9**
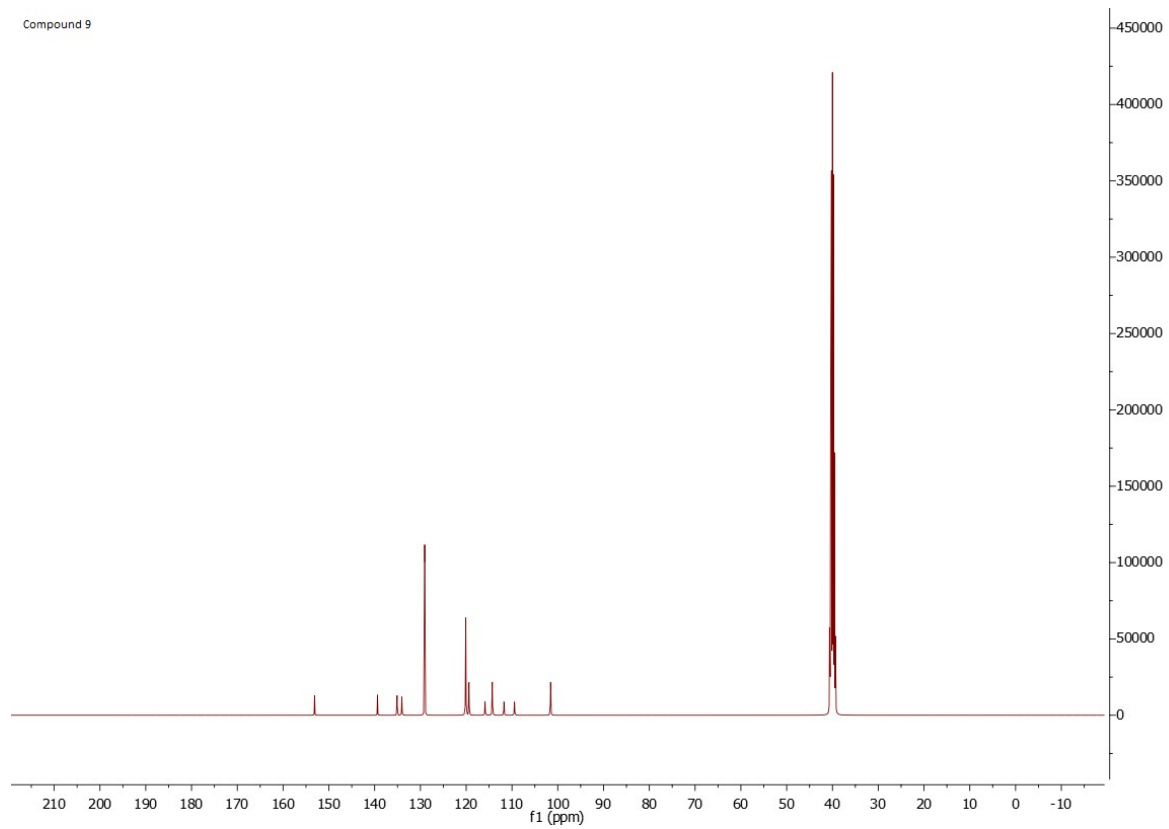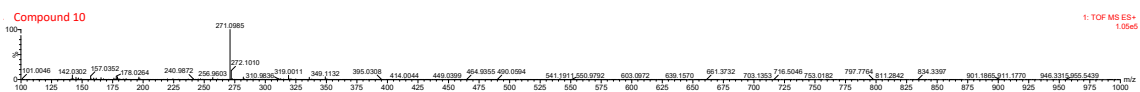
Compound 9

Figure S12: ^{13}C-NMR (100 MHz, DMSO) Spectrum of **9**

13

Single Mass Analysis
Tolerance = 5.0 PPM   /   DBE: min = -1.5, max = 50.0
Element prediction: Off
Number of isotope peaks used for i-FIT = 3
Monoisotopic Mass, Even Electron Ions
109 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)
Elements Used:

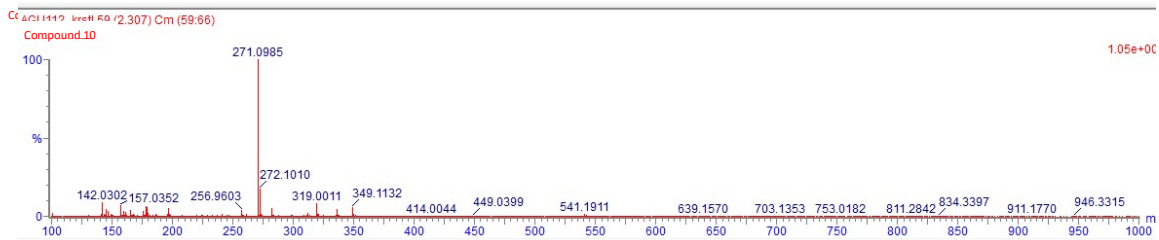| Mass	Calc. Mass	mDa	PPM	DBE	Formula	i-FIT	i-FIT (Norm)	C	H	N	O	F
271.0985	271.0995	-1.0	-3.7	10.5	C14 H12 N4 O F	273.4	0.0	14	12	4	1	1

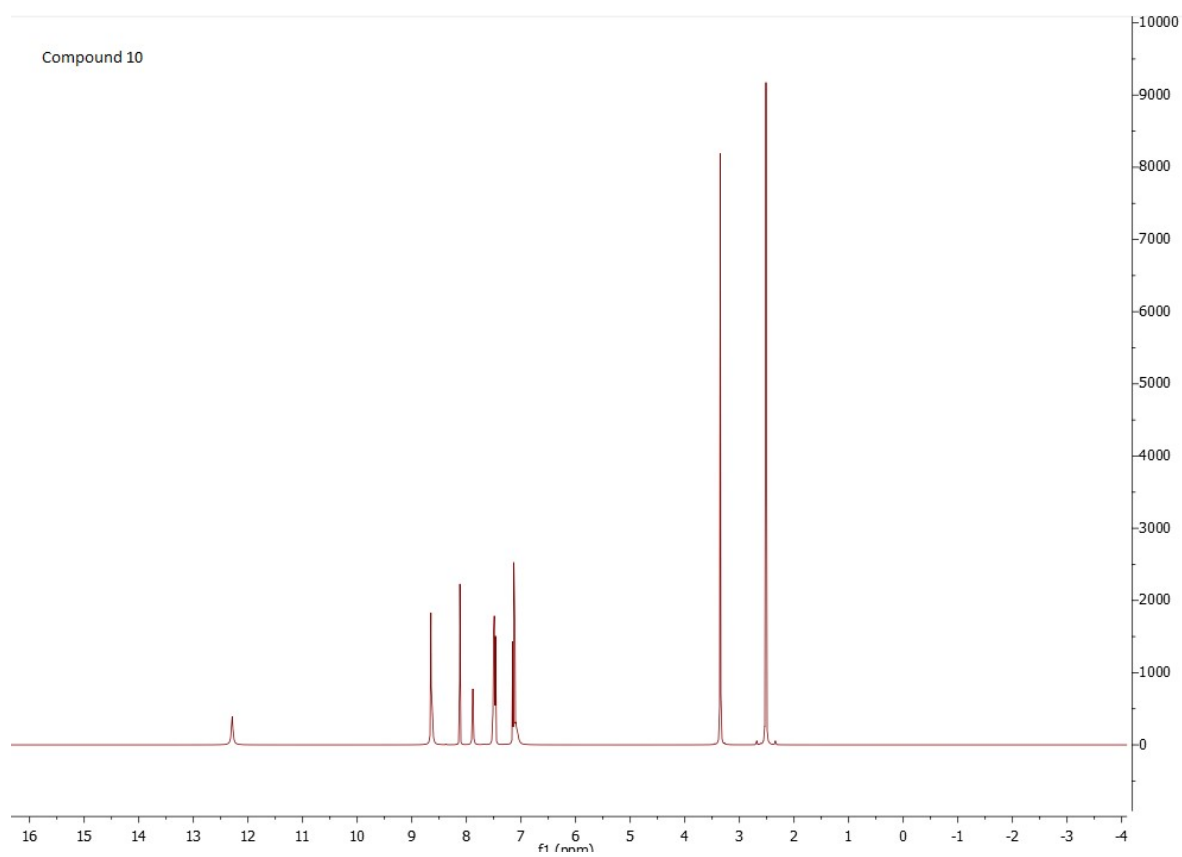**Figure S13:** HR-ESI-MS Spectrum of **10**

14

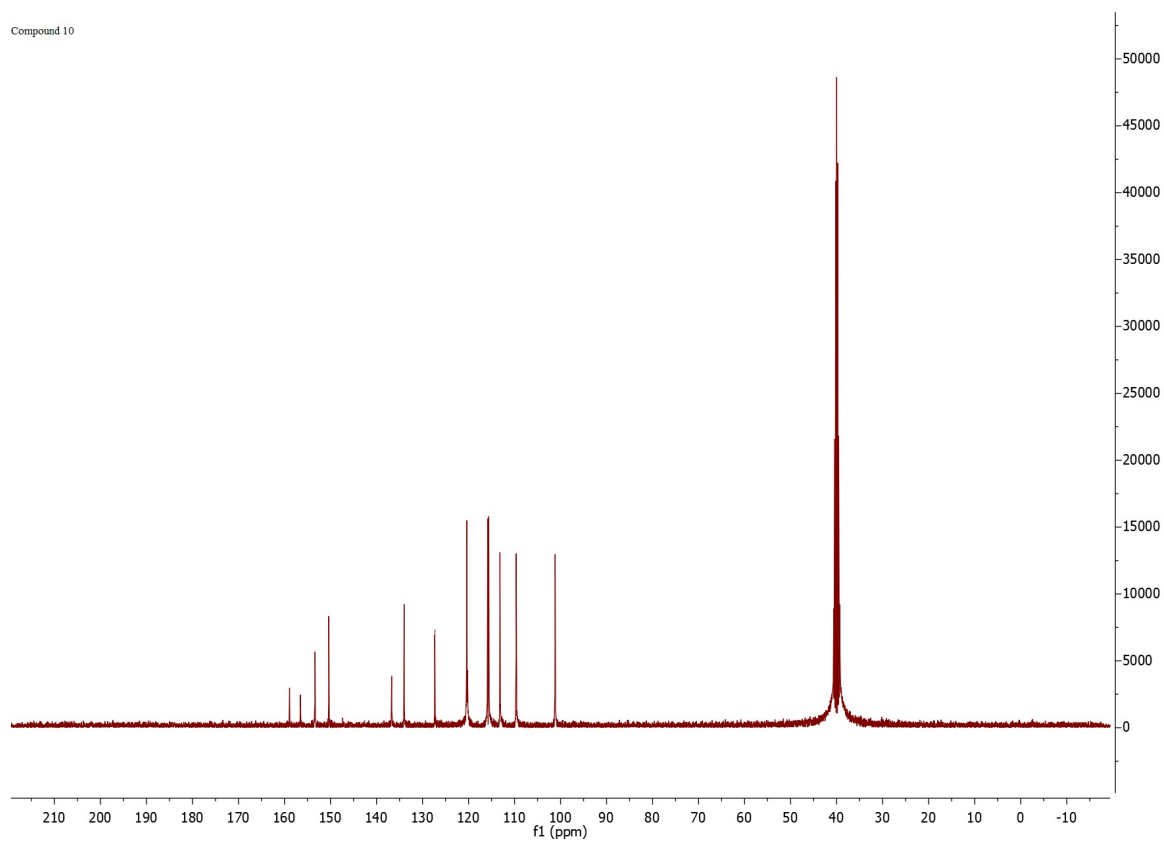**Figure S14:** ^{1}H-NMR (400 MHz, DMSO) Spectrum of **10**

Compound 10

Figure S15: ^{13}C-NMR (100 MHz, DMSO) Spectrum of **10**