

Synthesis and preliminary anti-inflammatory and anti-bacterial evaluation of some
Diflunisal aza-analogs.

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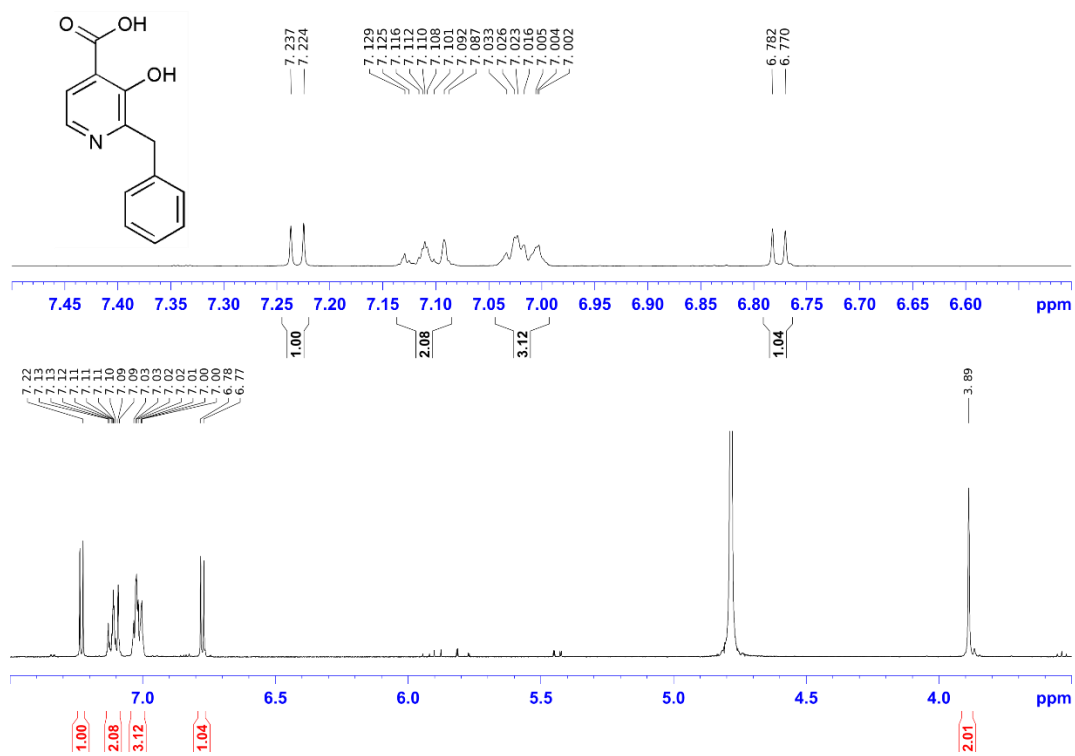
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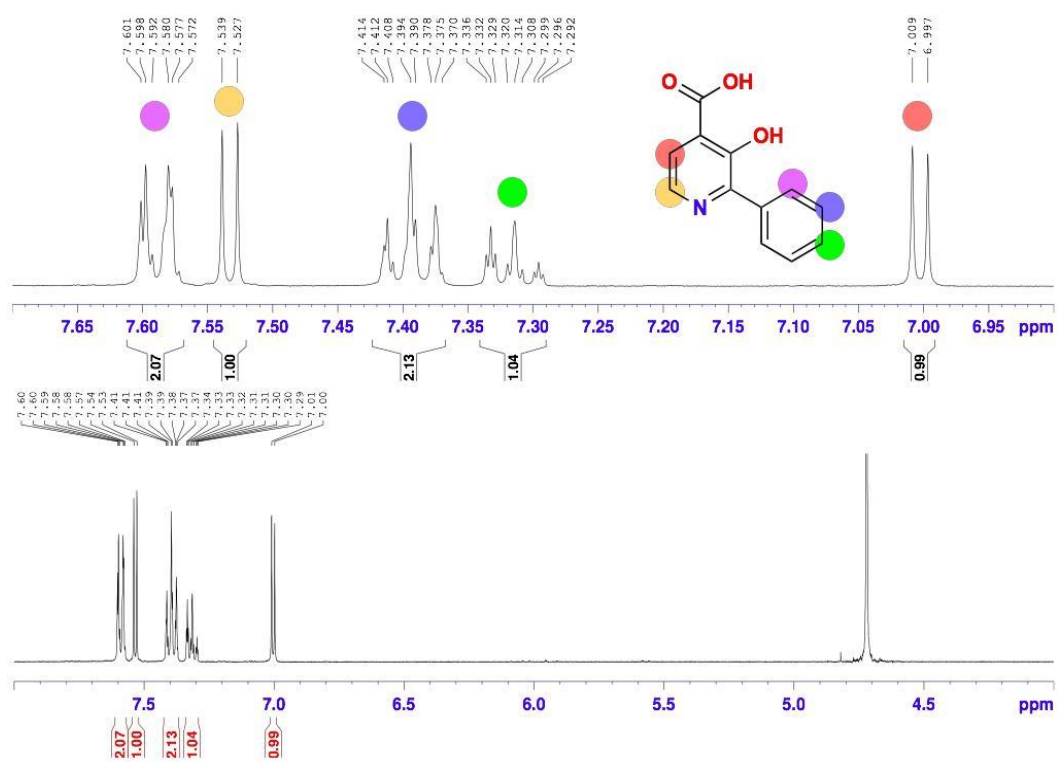
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3. Table S1: Predicted LogP for synthesised compounds, and the reference compound Diflunisal
4. MIC values for tested antibiotics

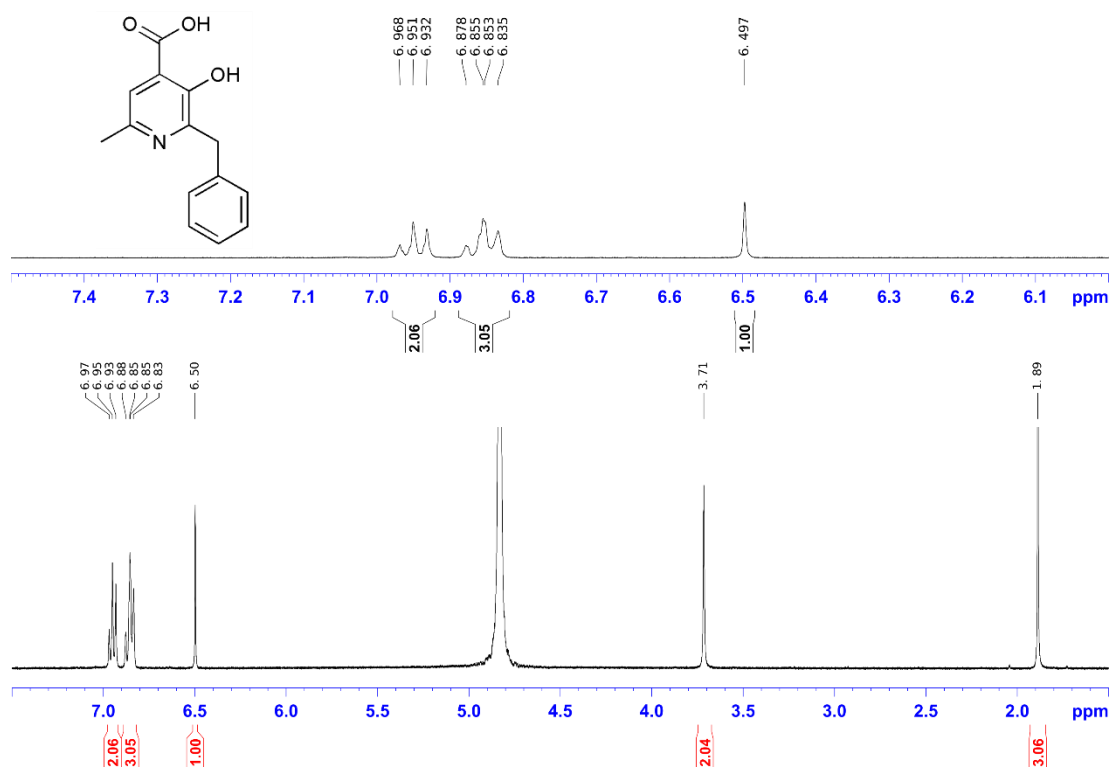
¹H NMR of compound **14**



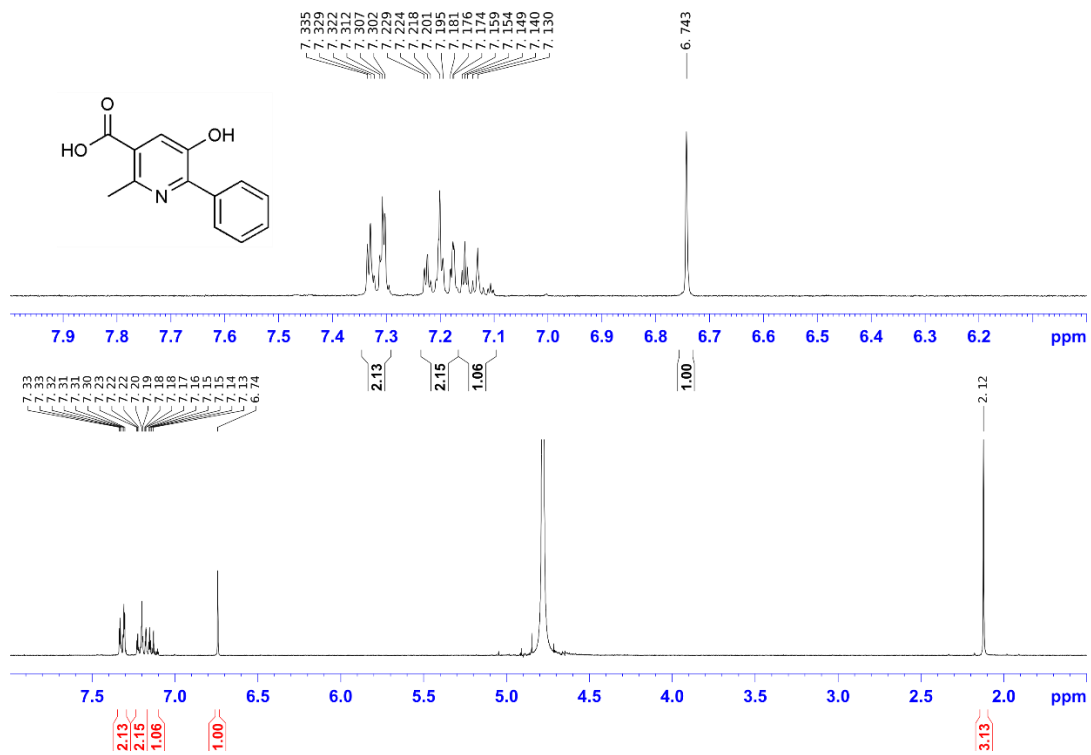
¹H NMR of compound **19**



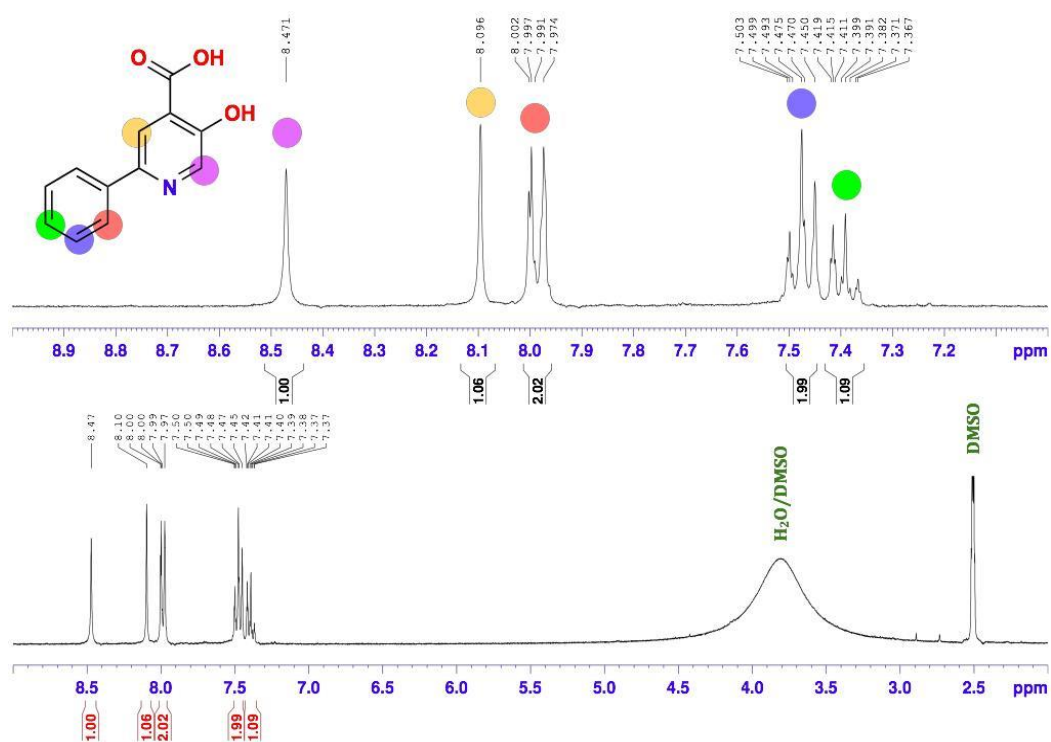
¹H NMR of compound **20**



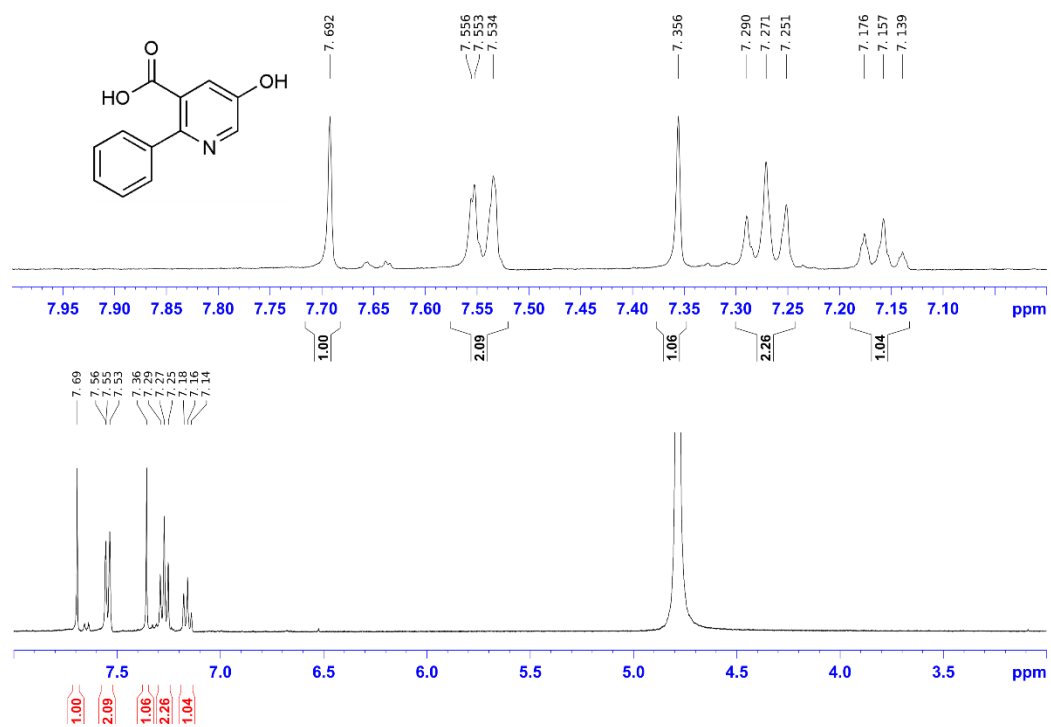
¹H NMR of compound **22**



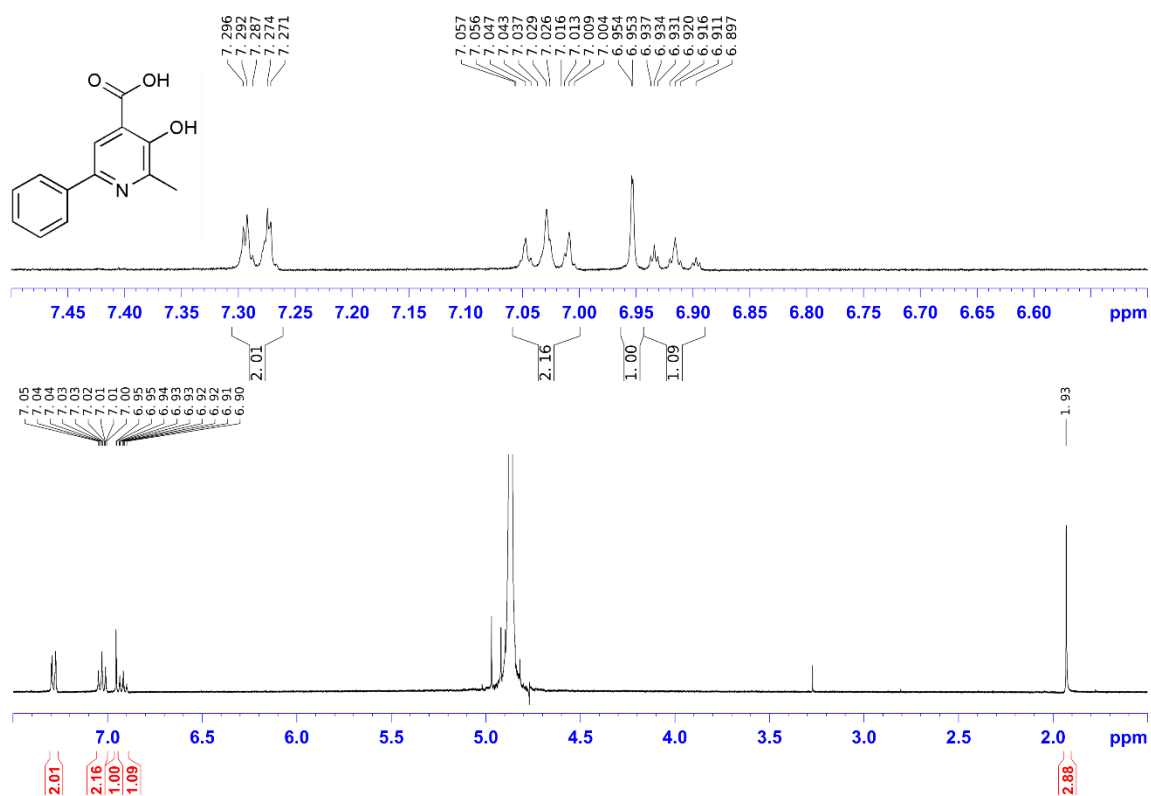
¹H NMR of compound **42**



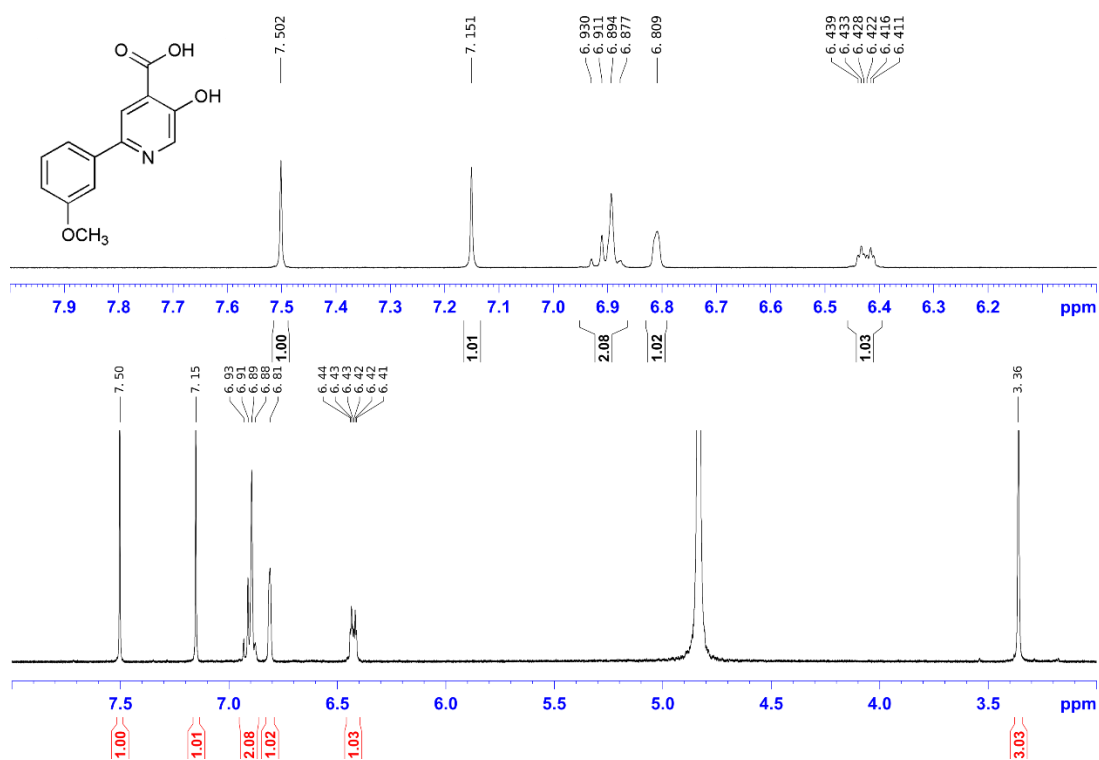
¹H NMR of compound **44**



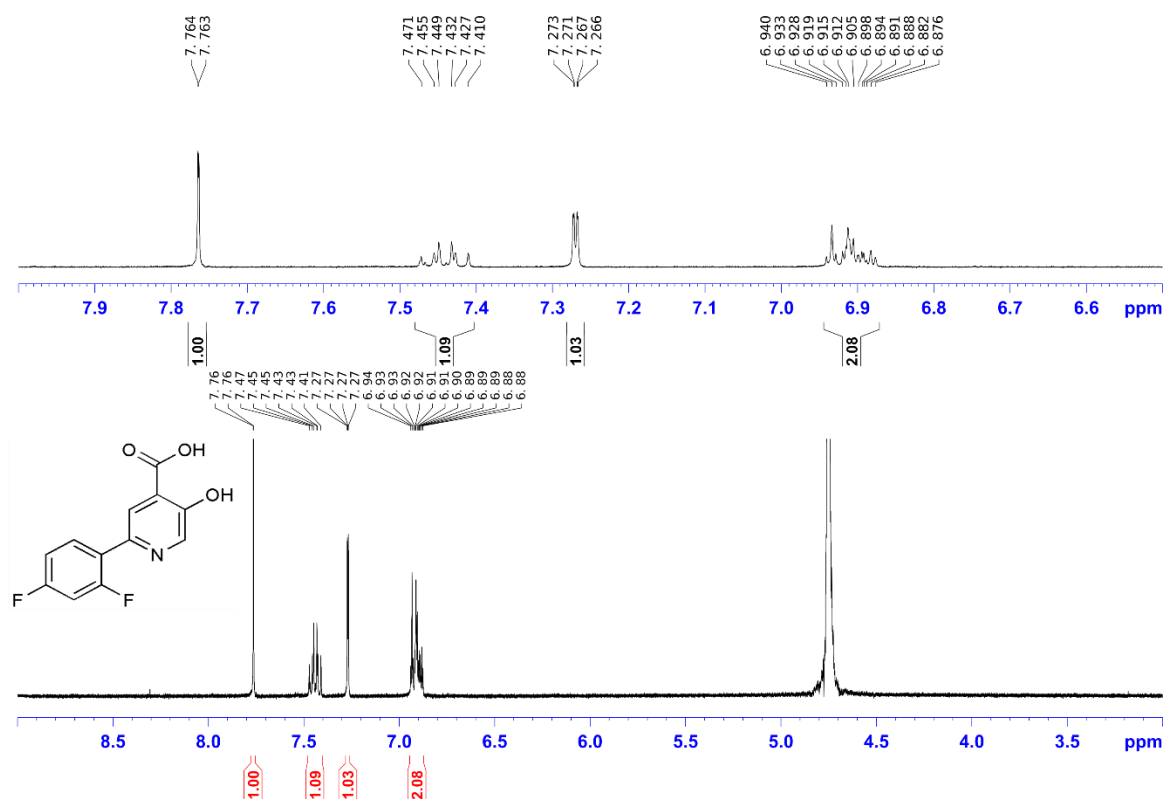
¹H NMR of compound **49**



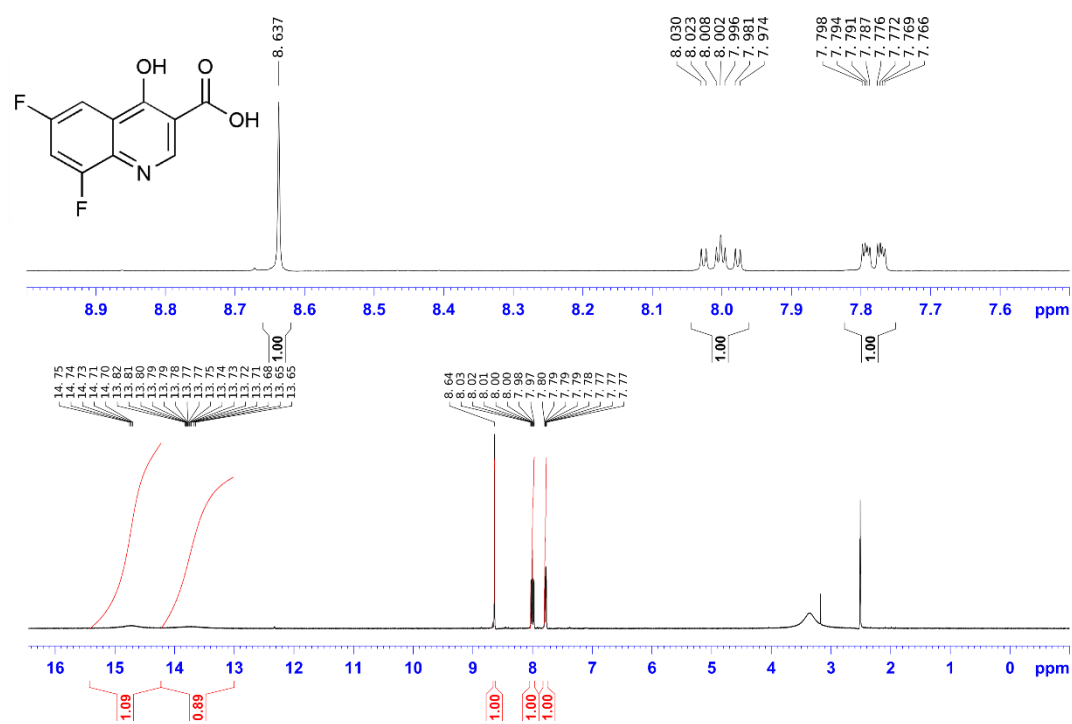
¹H NMR of compound **50**



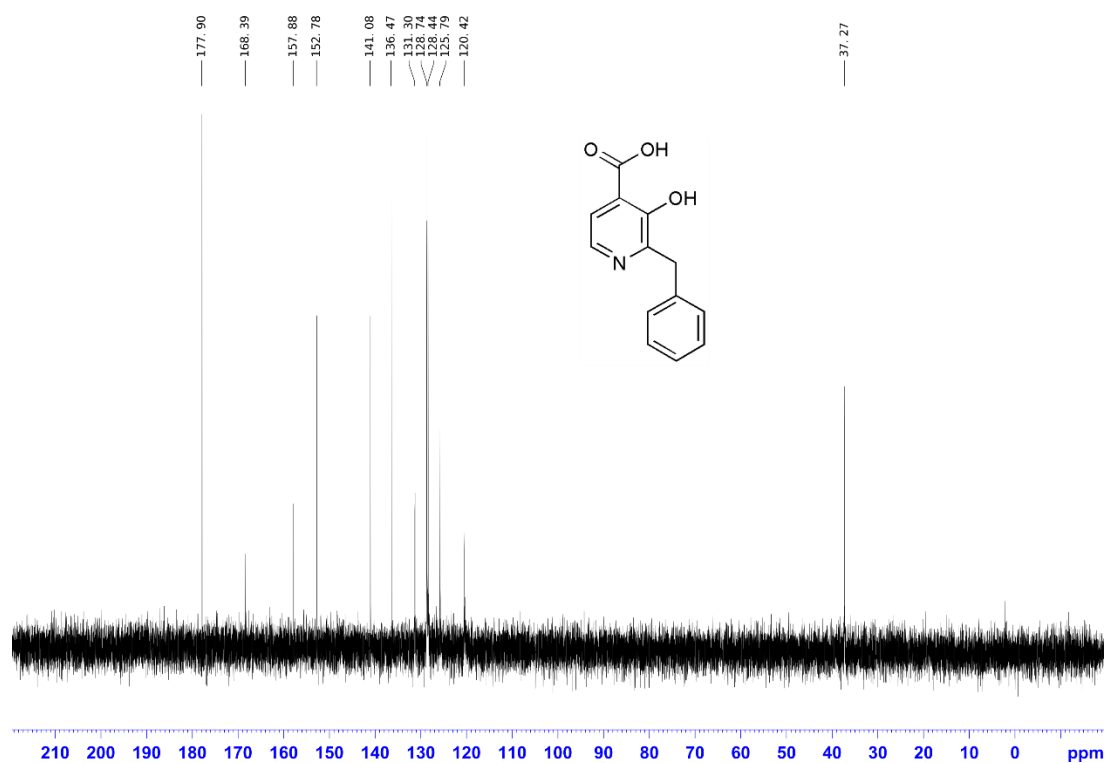
¹H NMR of compound **51**



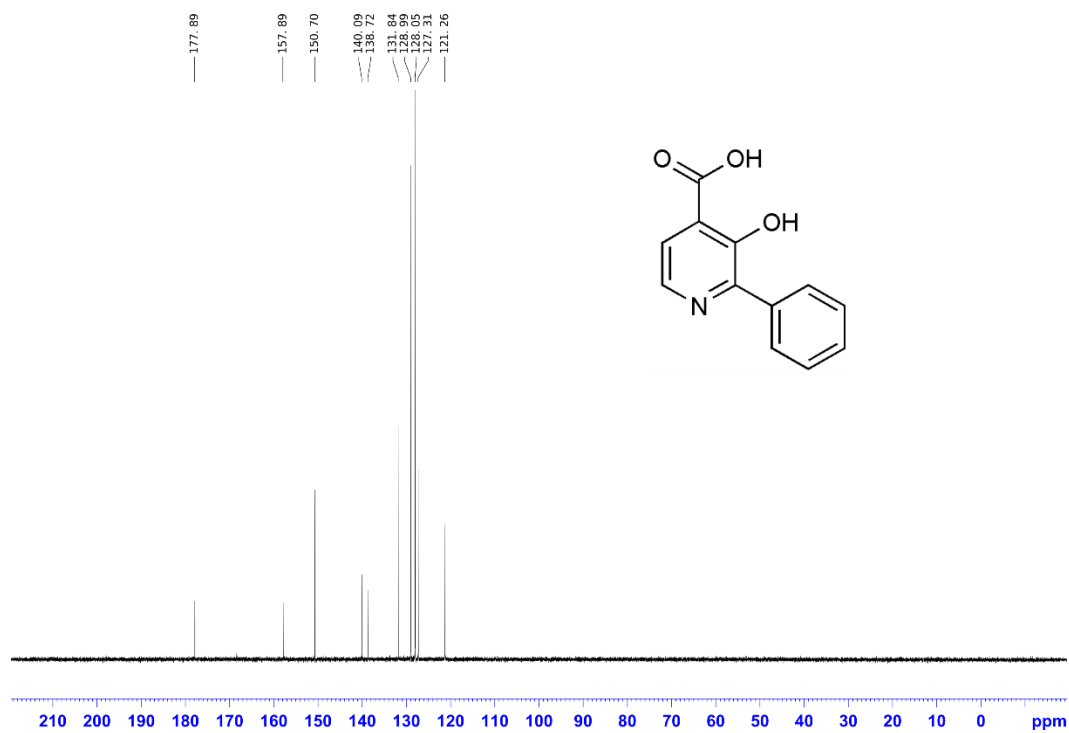
¹H NMR of compound **54**



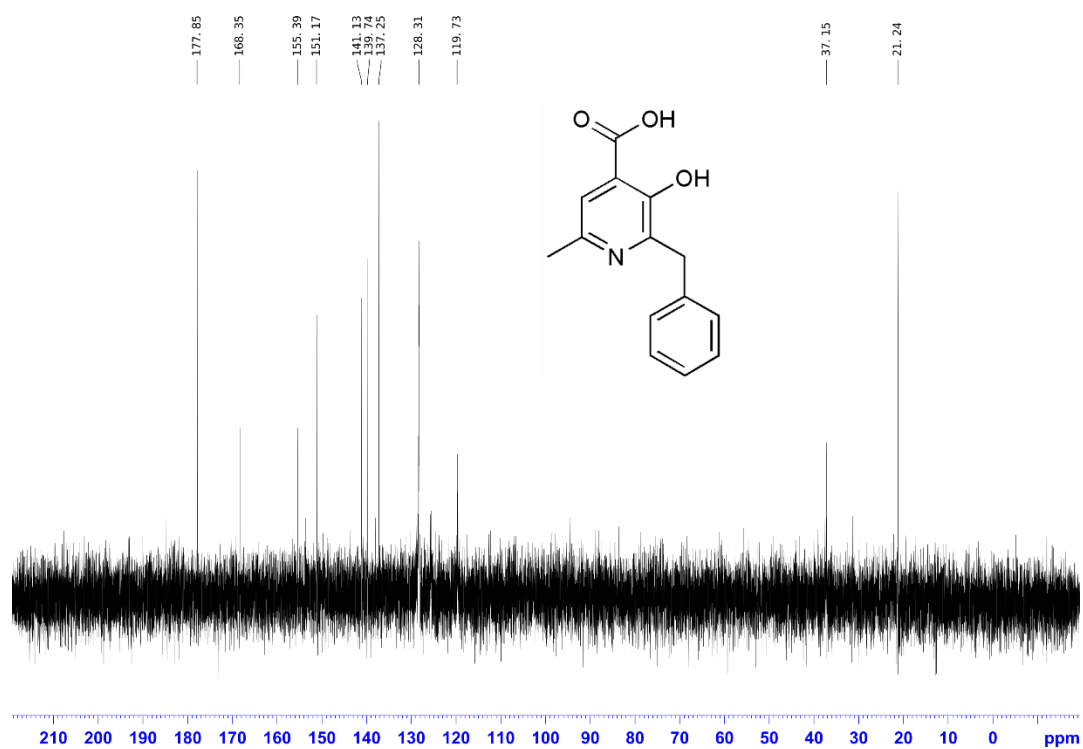
^{13}C NMR of compound **14**



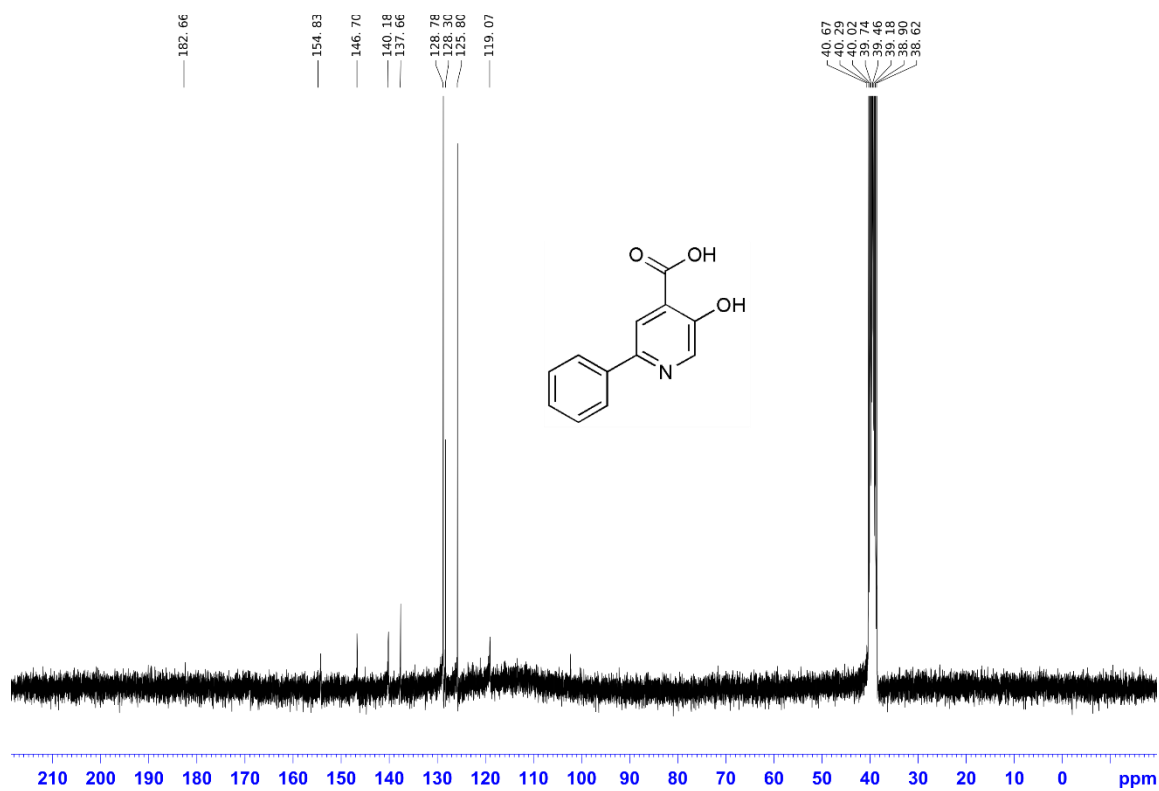
^{13}C NMR of compound **19**



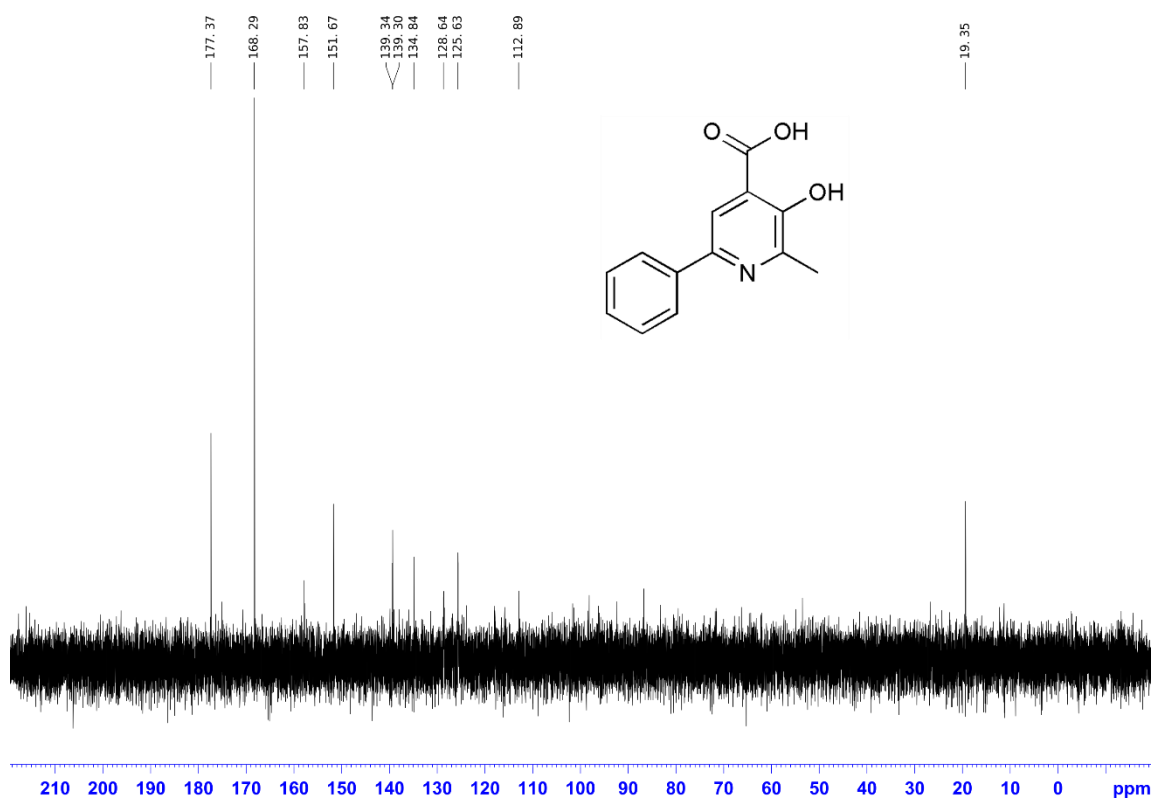
^{13}C NMR of compound **20**



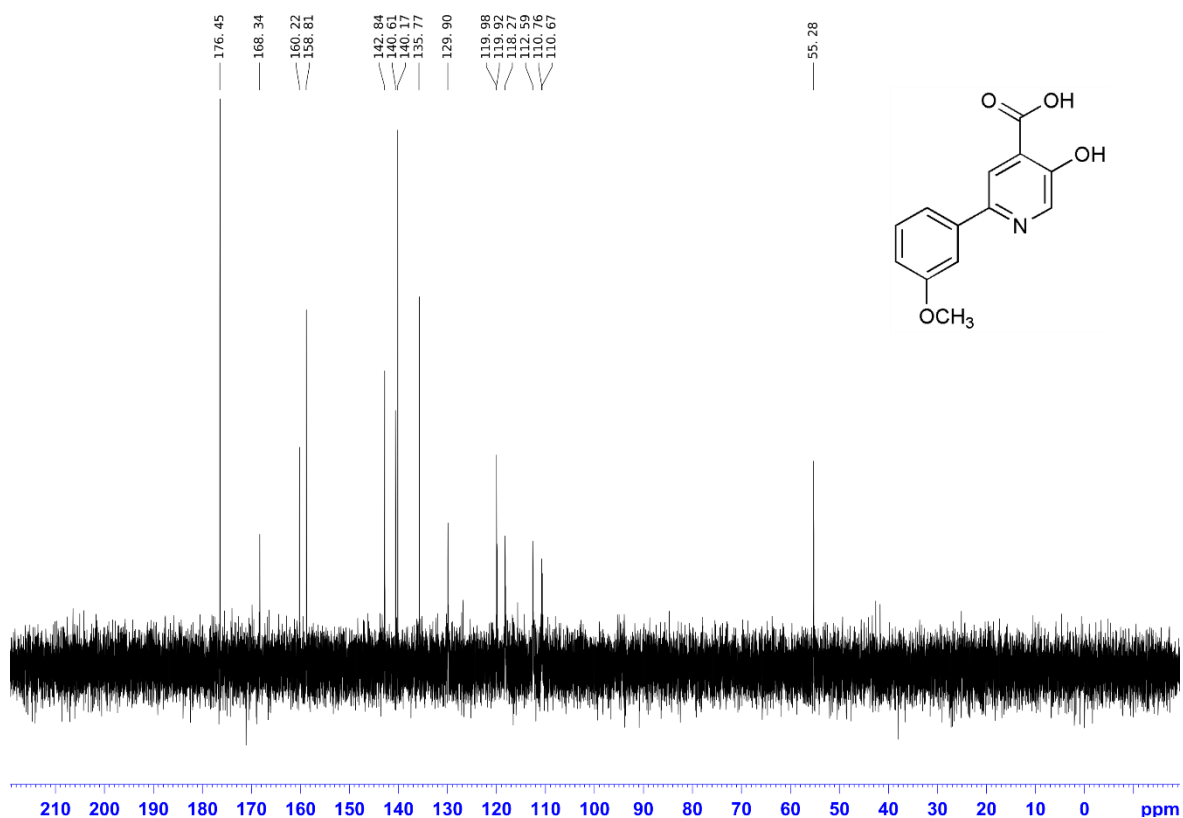
^{13}C NMR of compound **42**



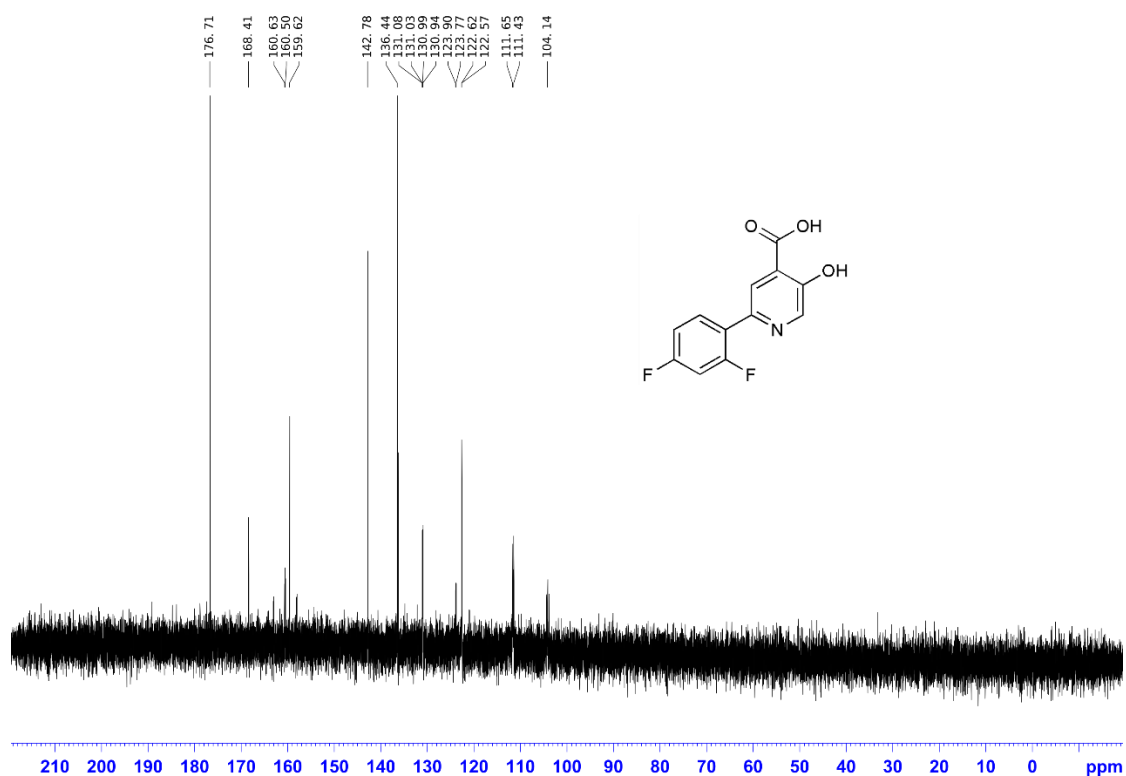
¹³C NMR of compound **49**



¹³C NMR of compound **50**



¹³C NMR of compound **51**



¹³C NMR of compound **54**

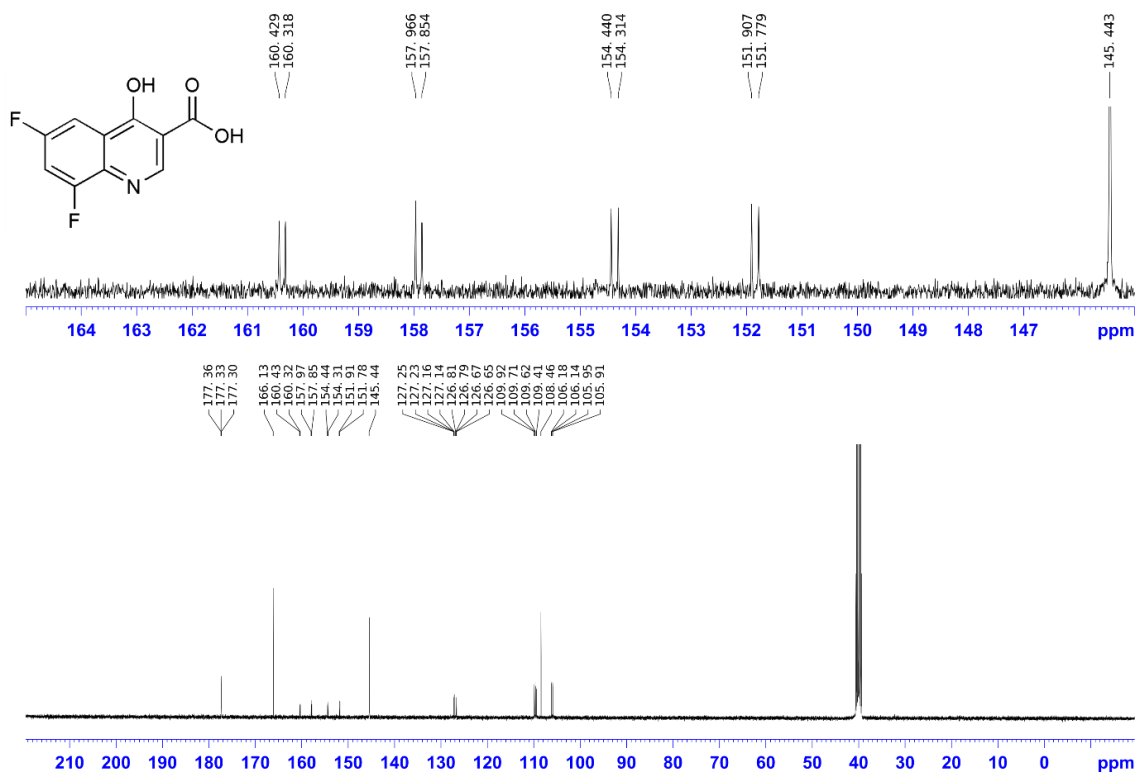


Table S1: Predicted LogP for synthesised compounds, and the reference compound Diflunisal, calculated with the software ChemDraw Ultra 8 (2003)

Compound	LogP
Diflunisal	3.19
14	2.24
19	1.96
20	2.95
21	1.96
22	2.67
42	1.96
43	4.06
44	1.96
45	4.06
49	2.67
50	1.84
51	2.28
54	1.6

MIC values for tested antibiotics (mcg/mL)

	<i>S. aureus</i>	<i>S. pyogenes</i>	<i>K. pneumoniae</i>	<i>E. faecium</i>	<i>P. aeruginosa</i>	<i>E. coli</i>
MET	42	32	32	10	32	4
GEN	130	30	8	120	16	2
CPR	17	0.54	0.25	5	0.25	1
TET	100	10	16	30	20	2
ERY	42	0.23	4	10	2	2