

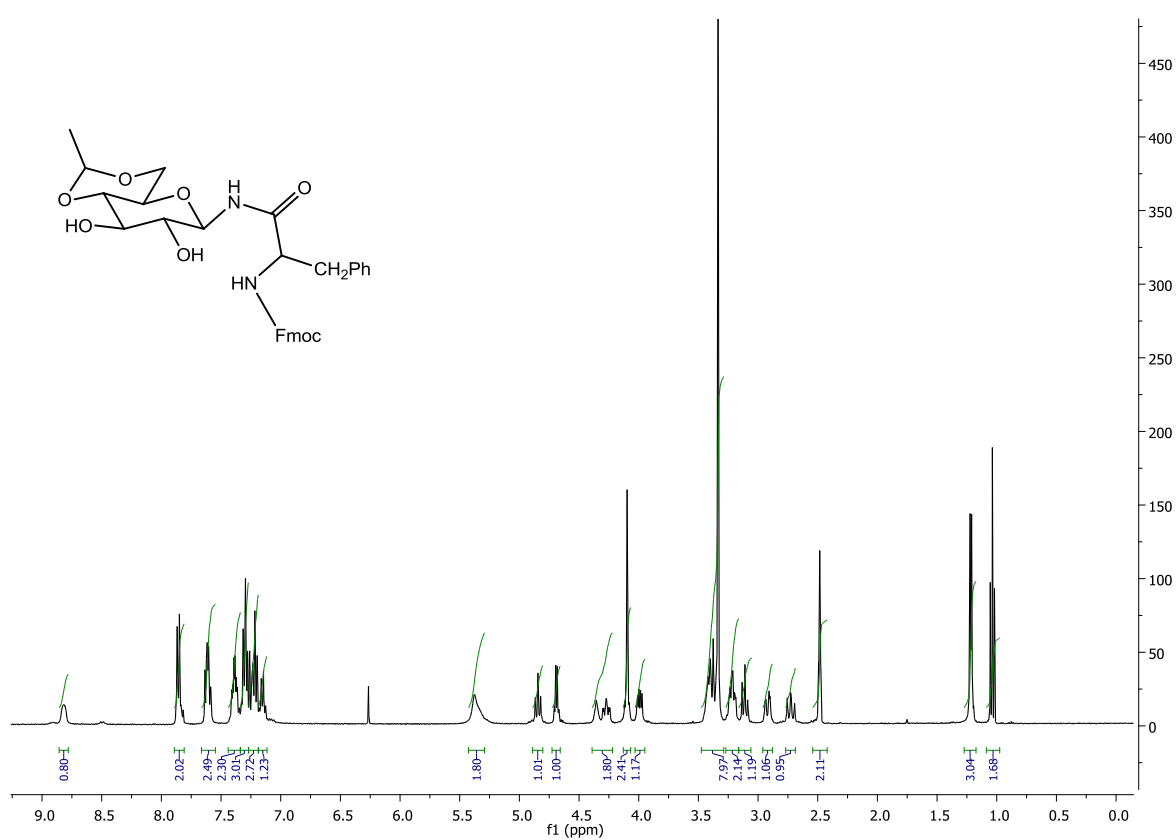
Synthesis of amino acid derived glycoconjugates and investigation of their anti-inflammatory and analgesic properties

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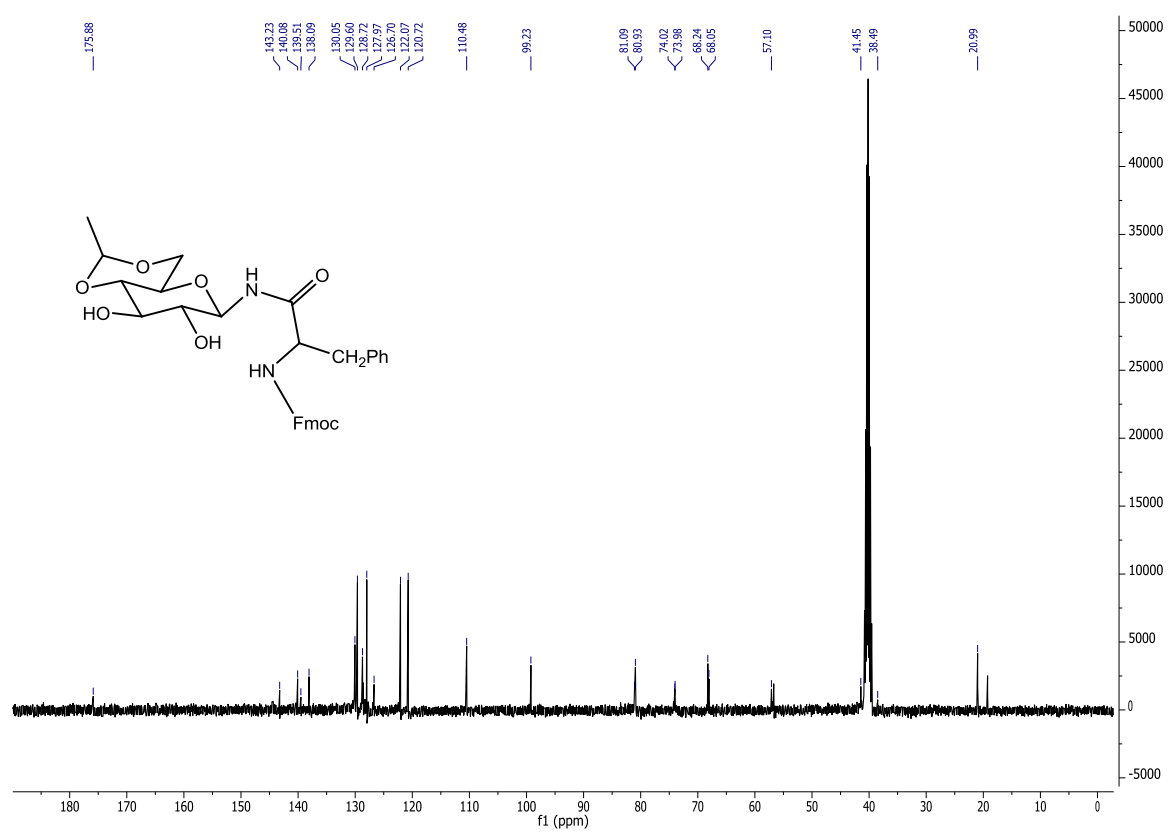
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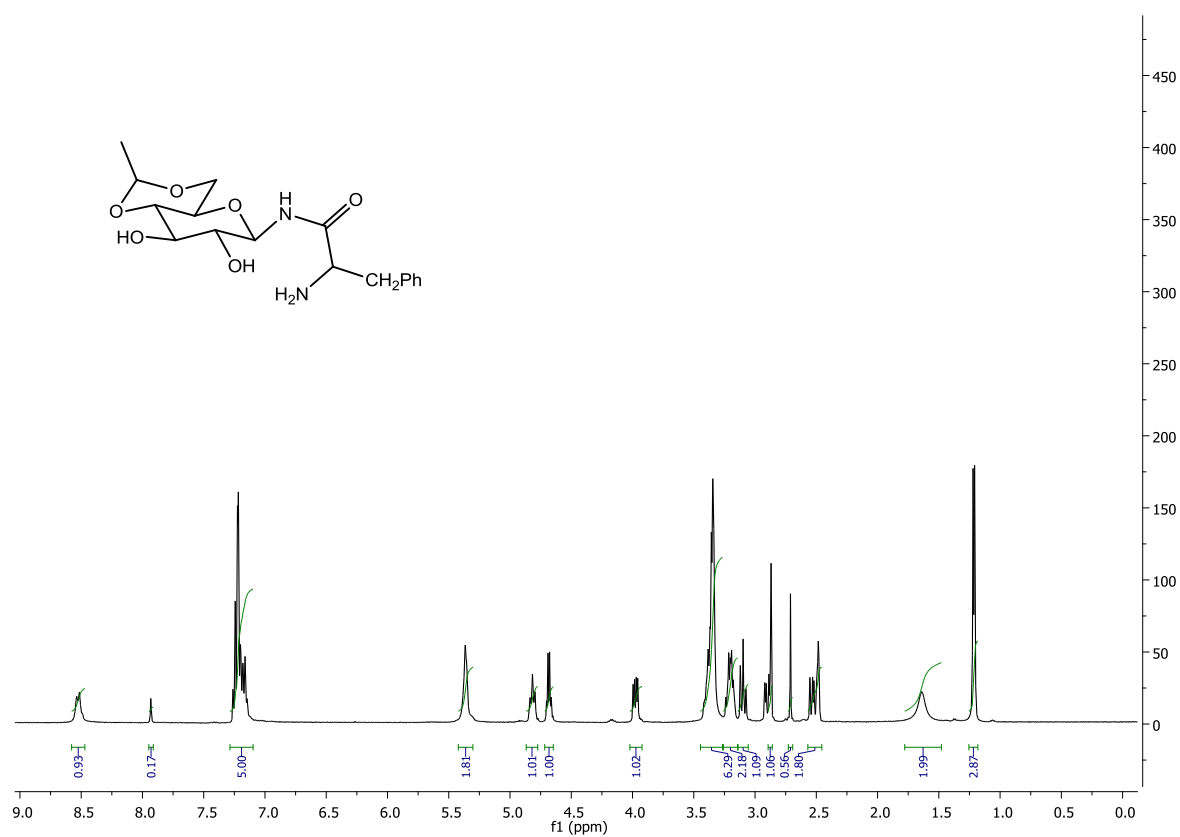
¹H NMR spectrum of Compound F2 recorded in DMSO-d₆



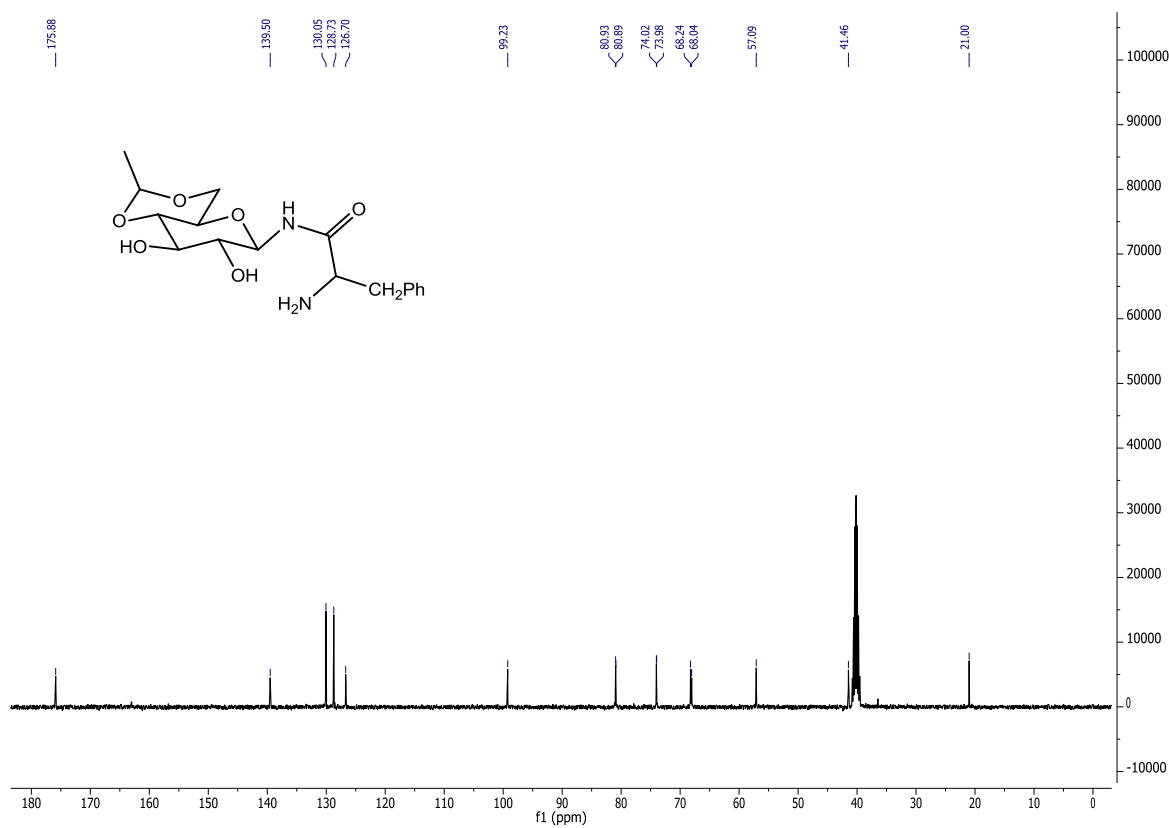
¹³C NMR spectrum of Compound F2 recorded in DMSO-d₆



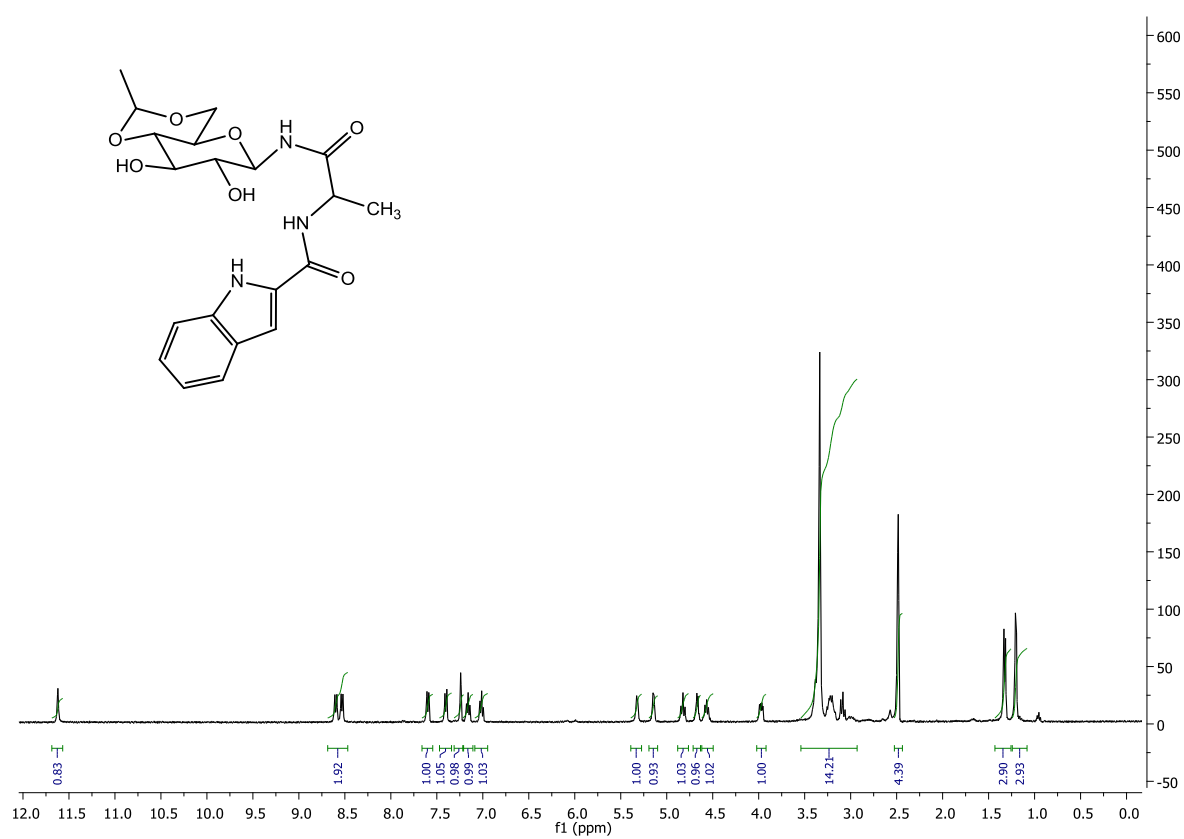
¹H NMR spectrum of Compound A2 recorded in DMSO-d₆



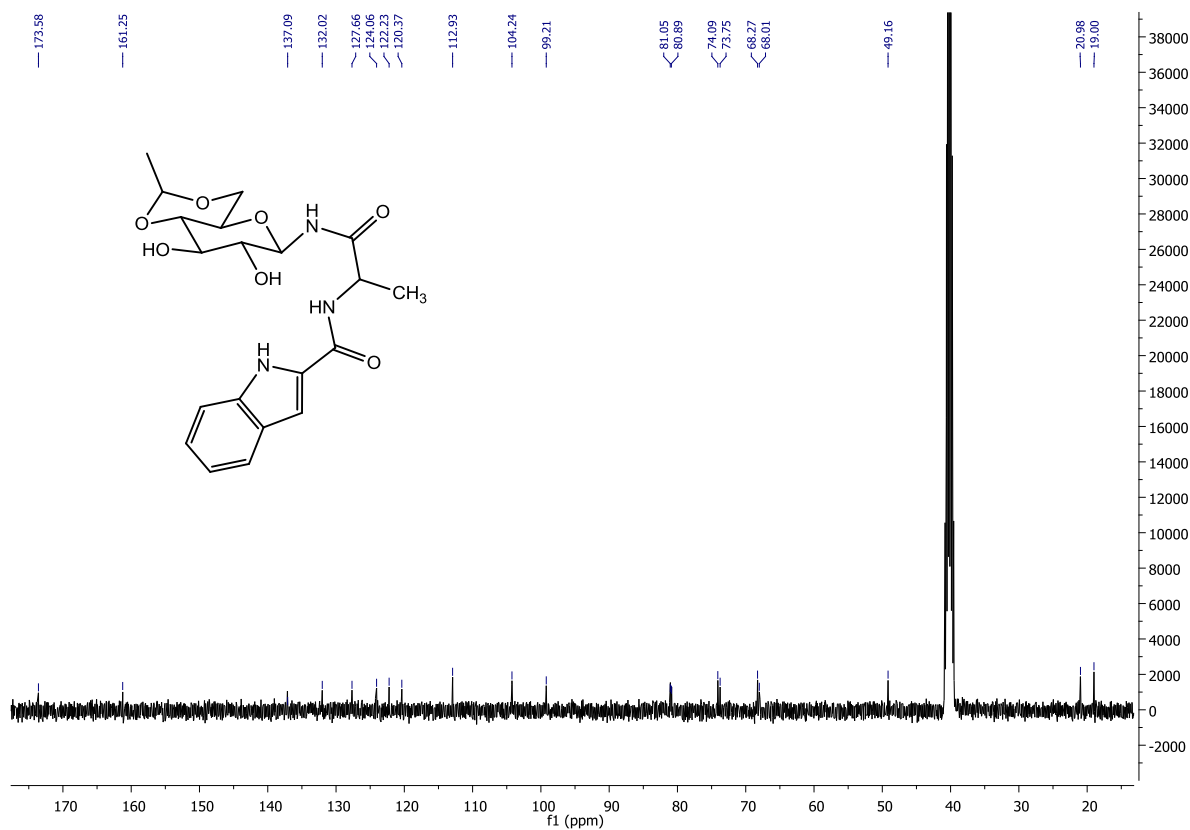
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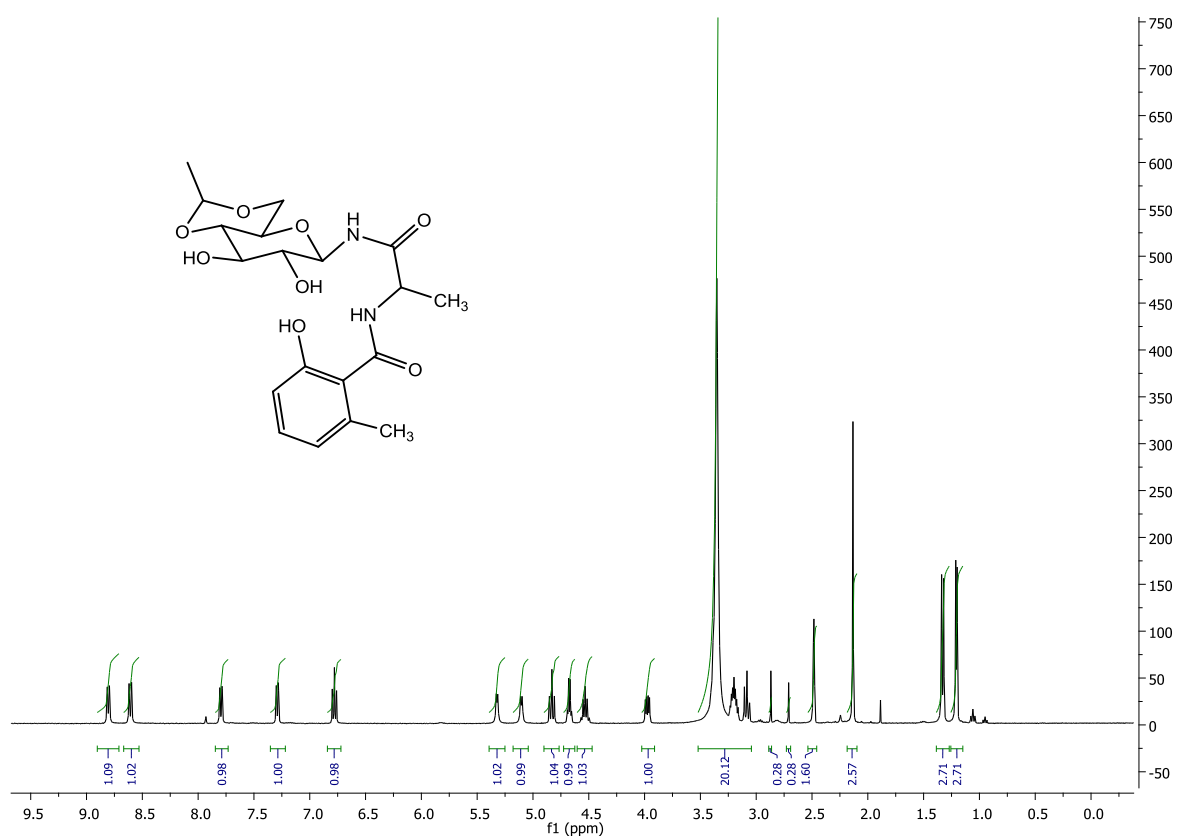
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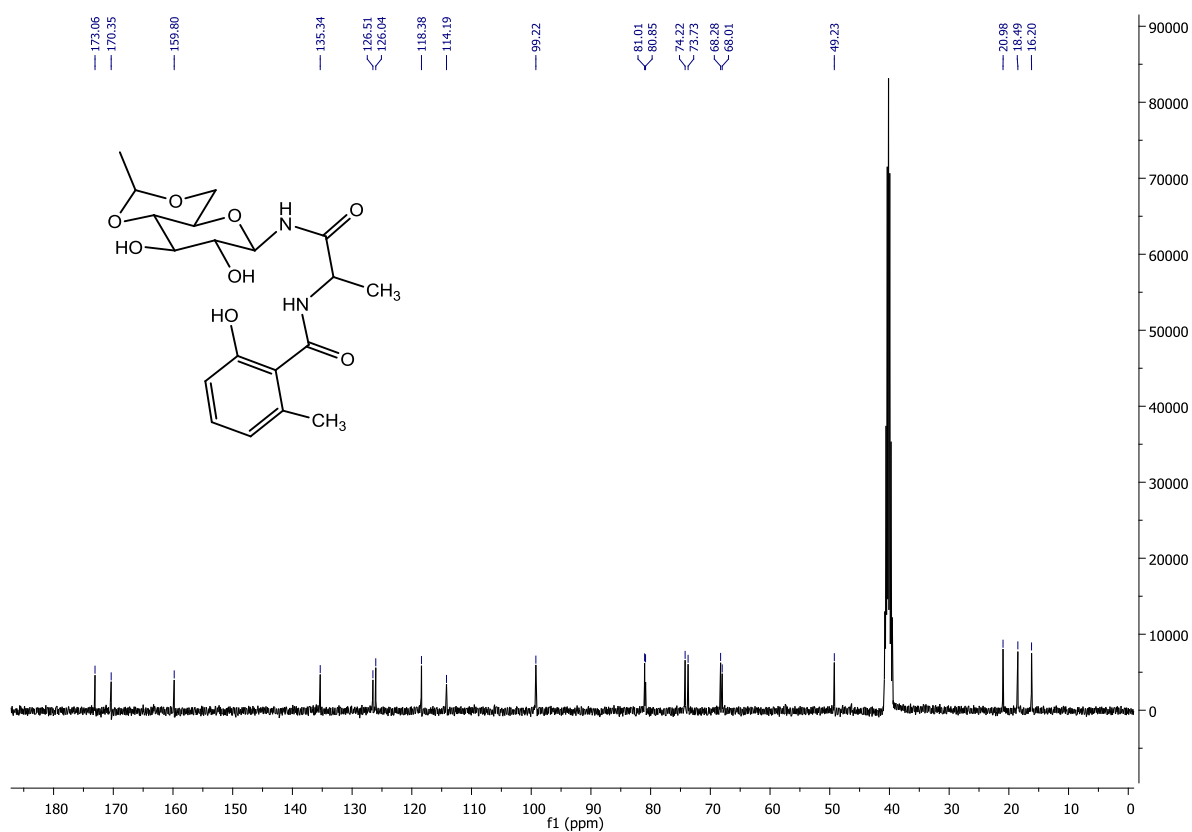
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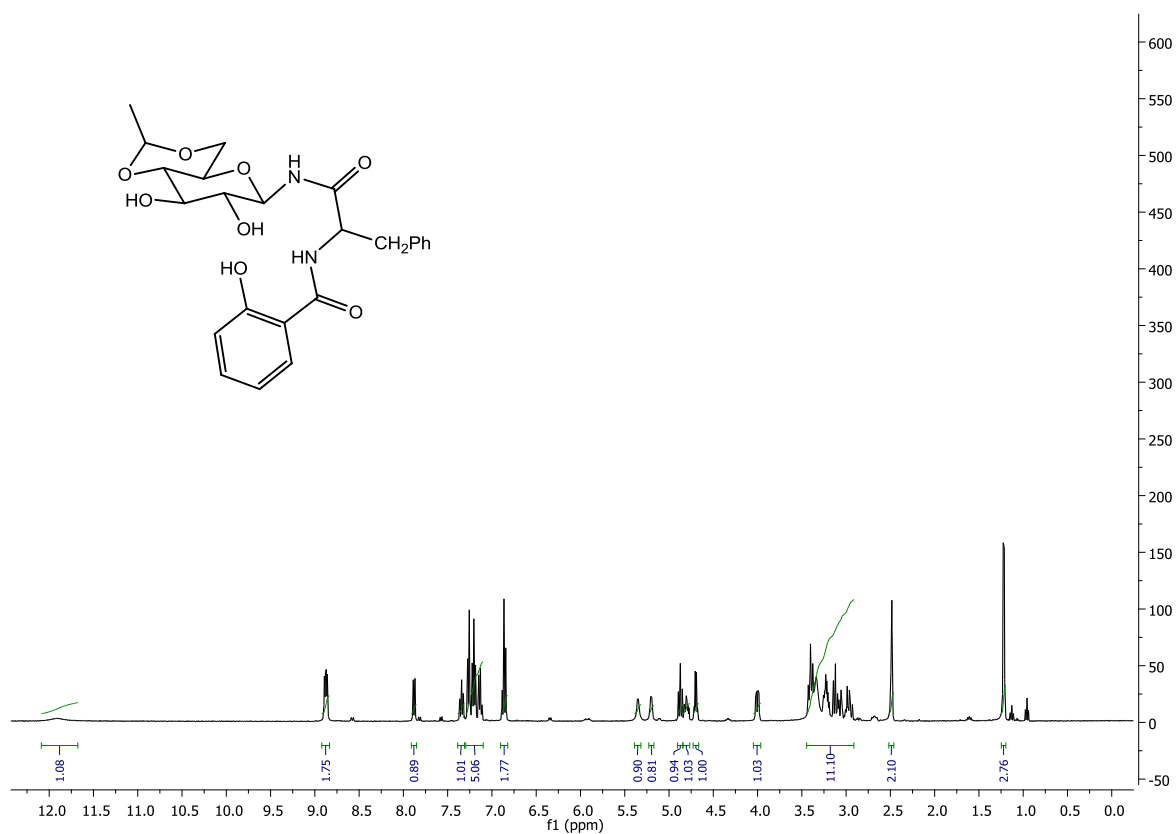
^1H NMR spectrum of Compound C3 recorded in DMSO- d_6



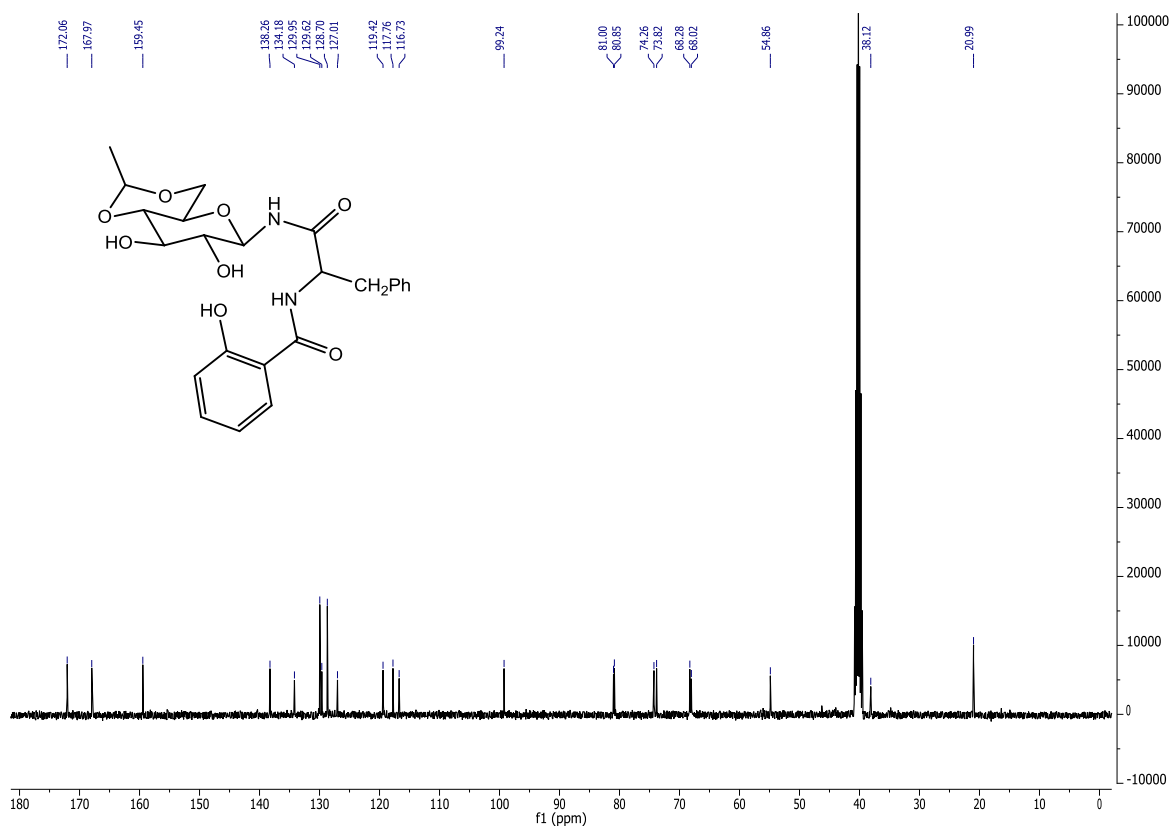
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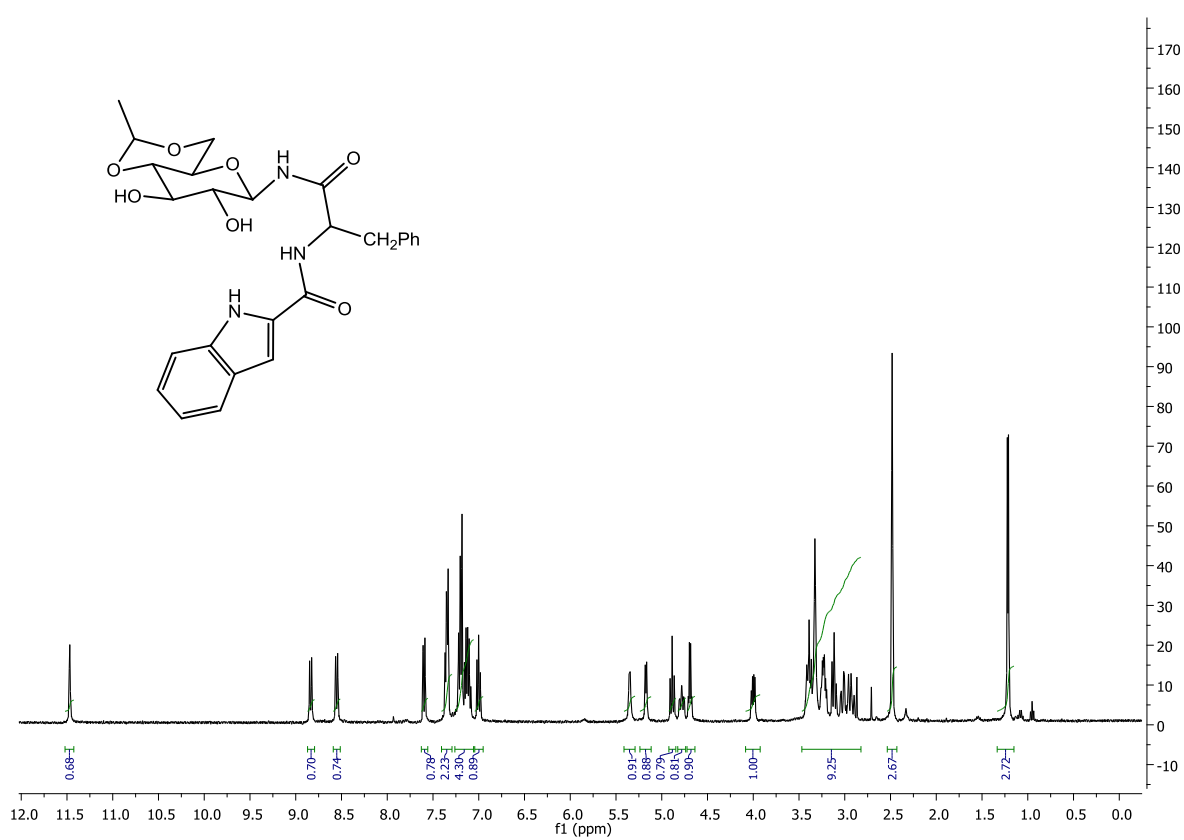
¹H NMR spectrum of Compound C4 recorded in DMSO-d₆



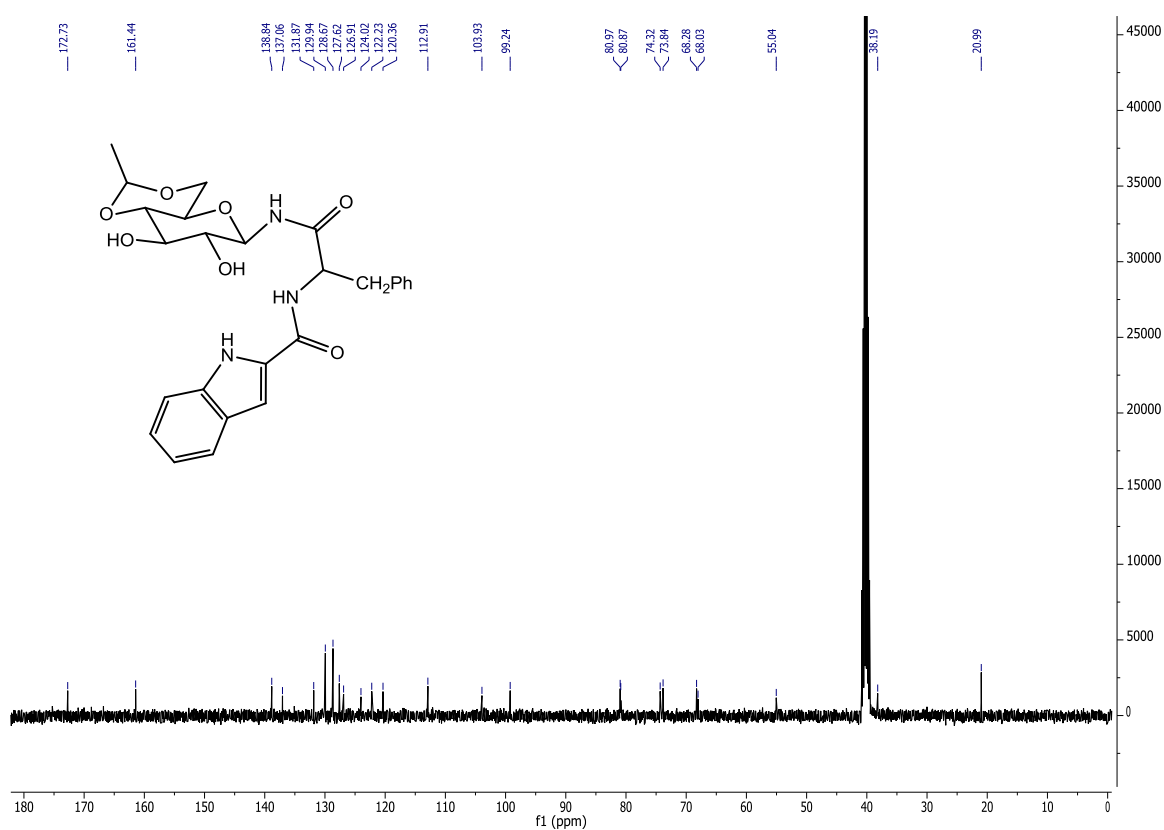
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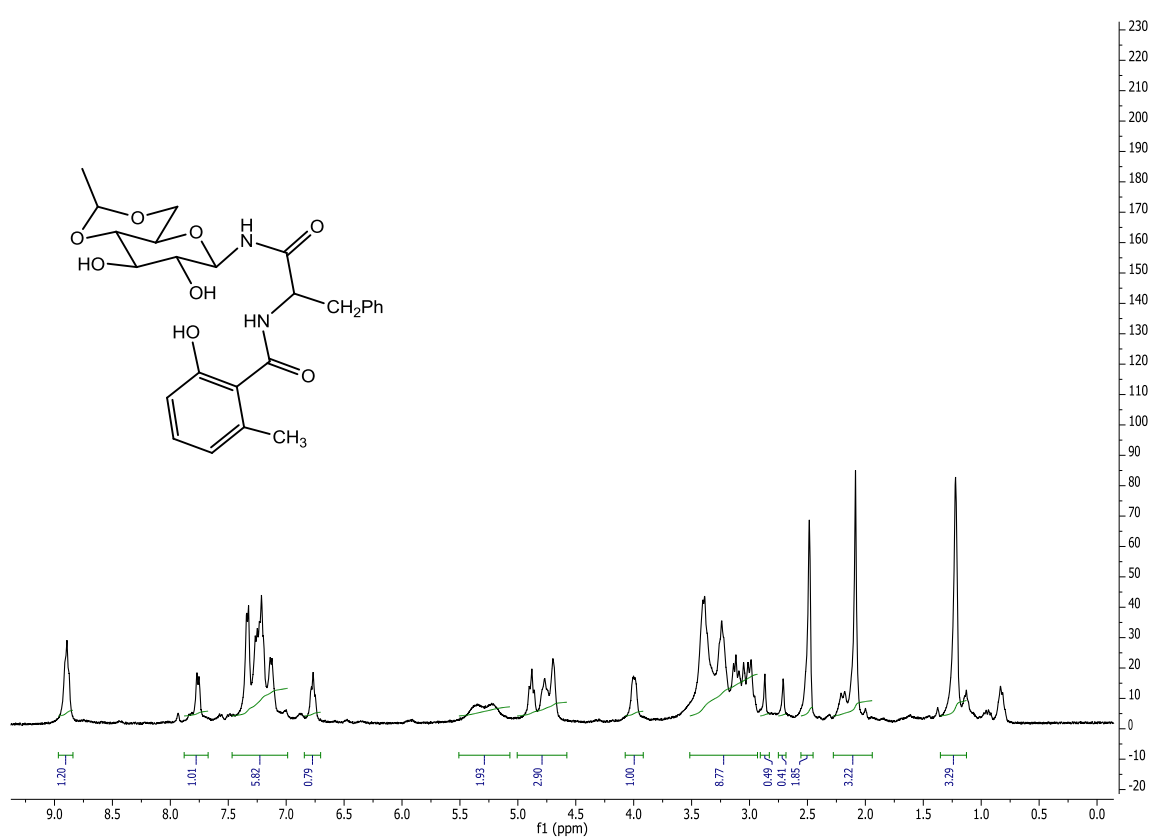
^1H NMR spectrum of Compound C5 recorded in DMSO-d_6



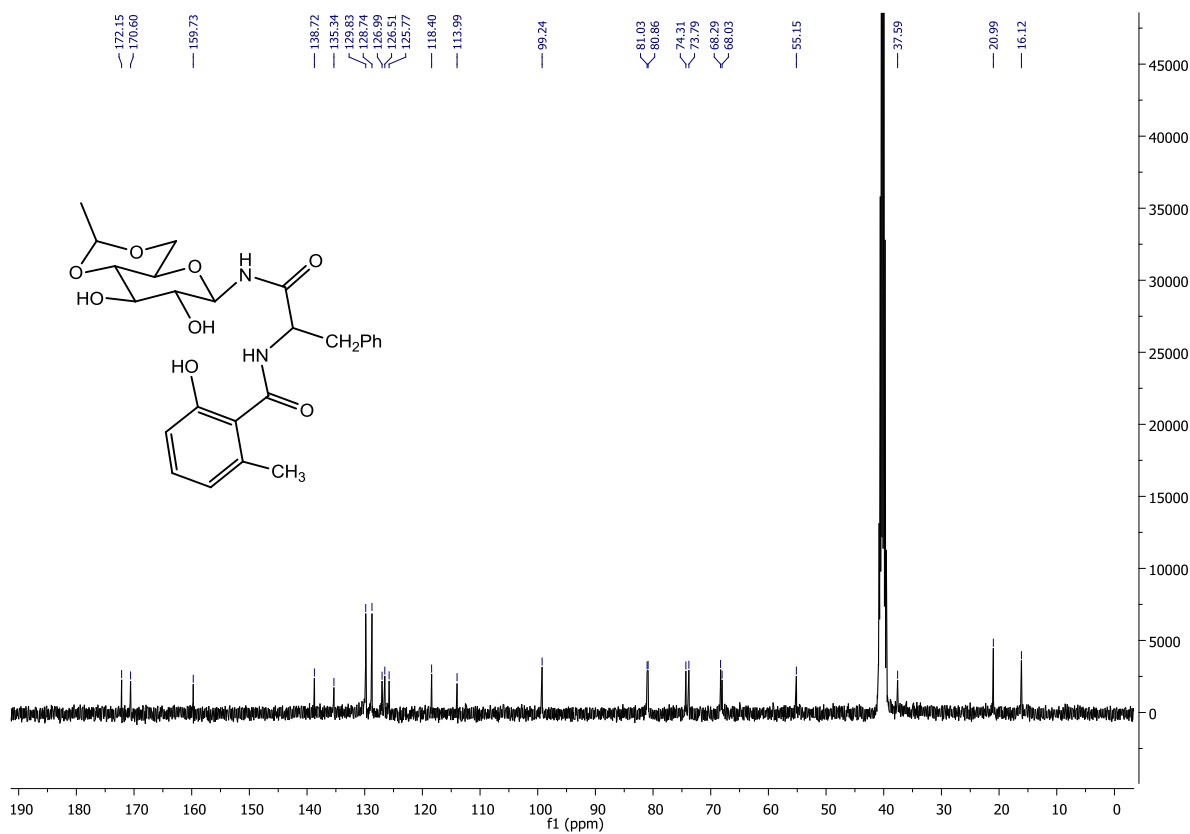
^{13}C NMR spectrum of Compound C5 recorded in DMSO- d_6



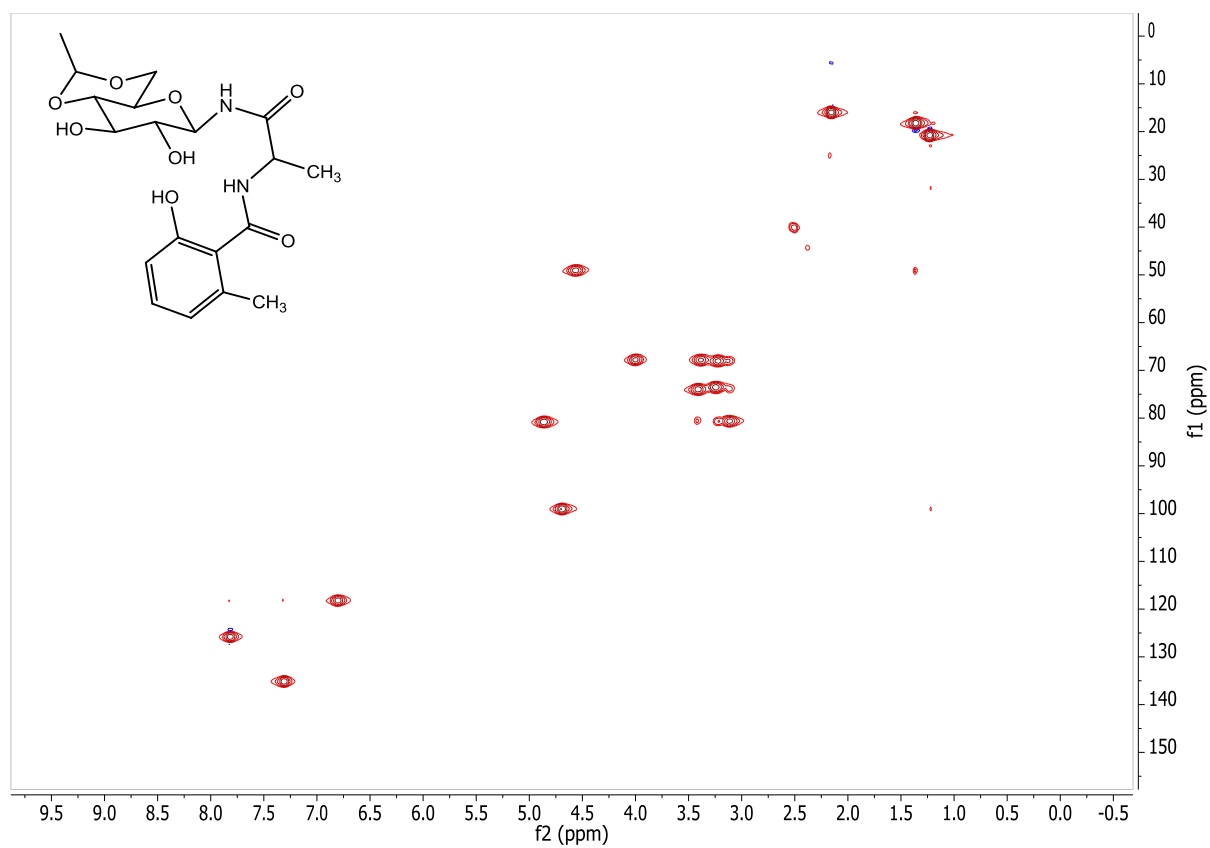
¹H NMR spectrum of Compound C6 recorded in DMSO-d₆



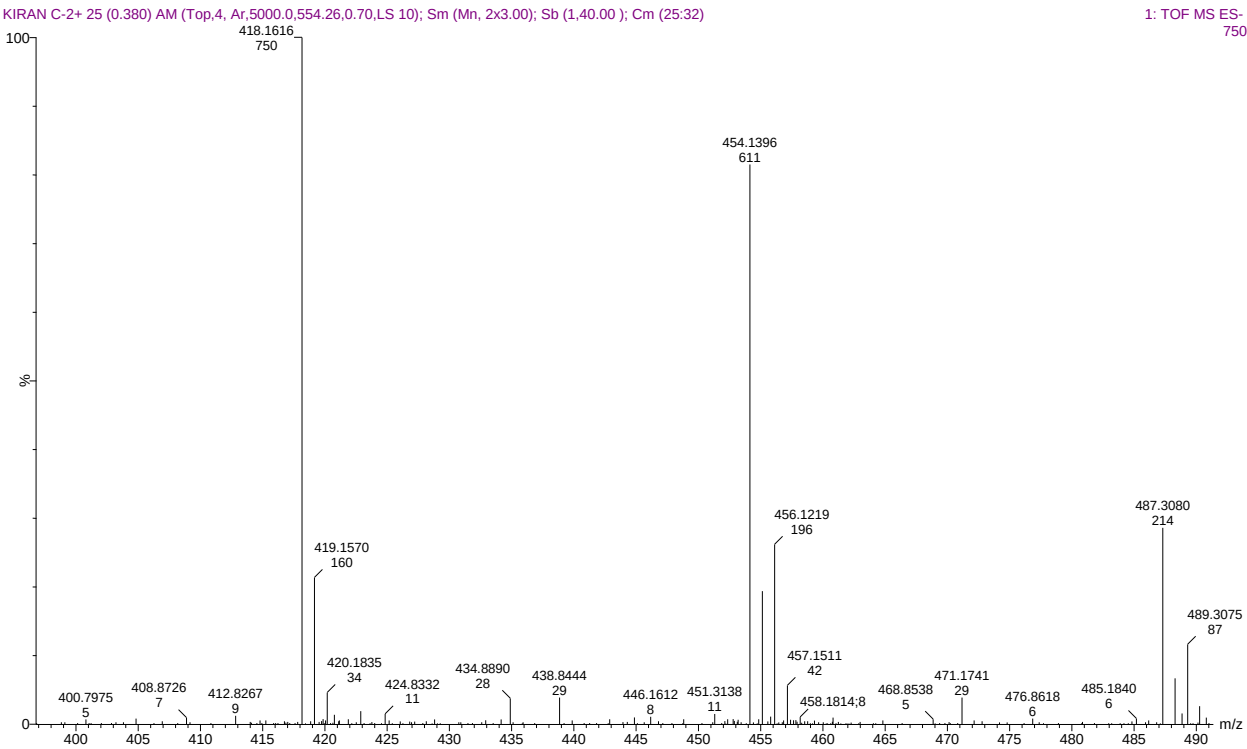
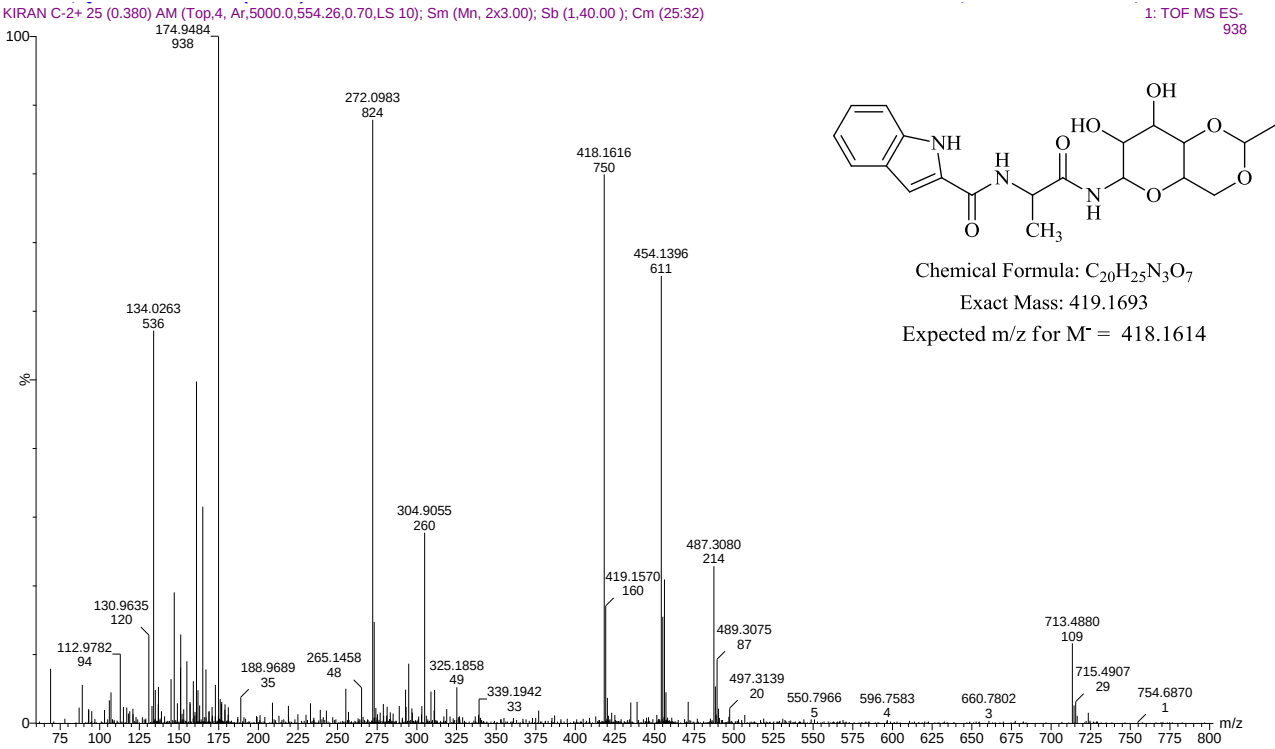
¹³C NMR spectrum of Compound C6 recorded in DMSO-d₆



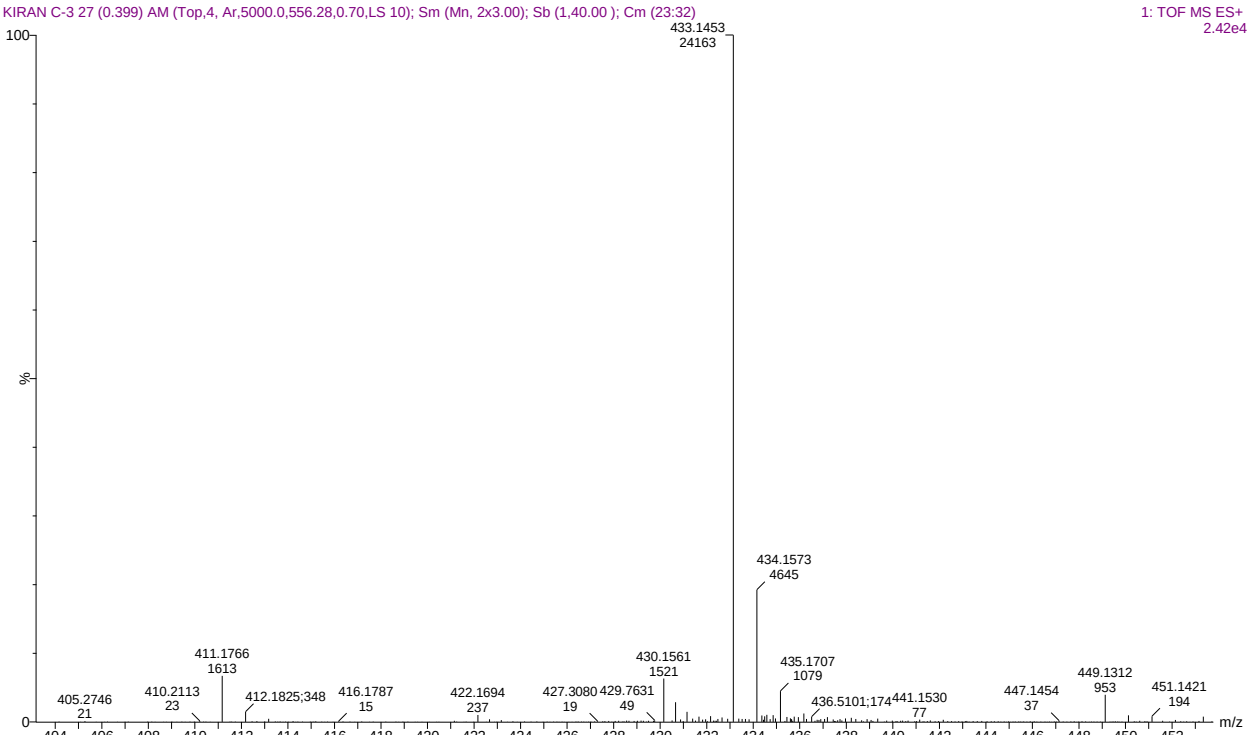
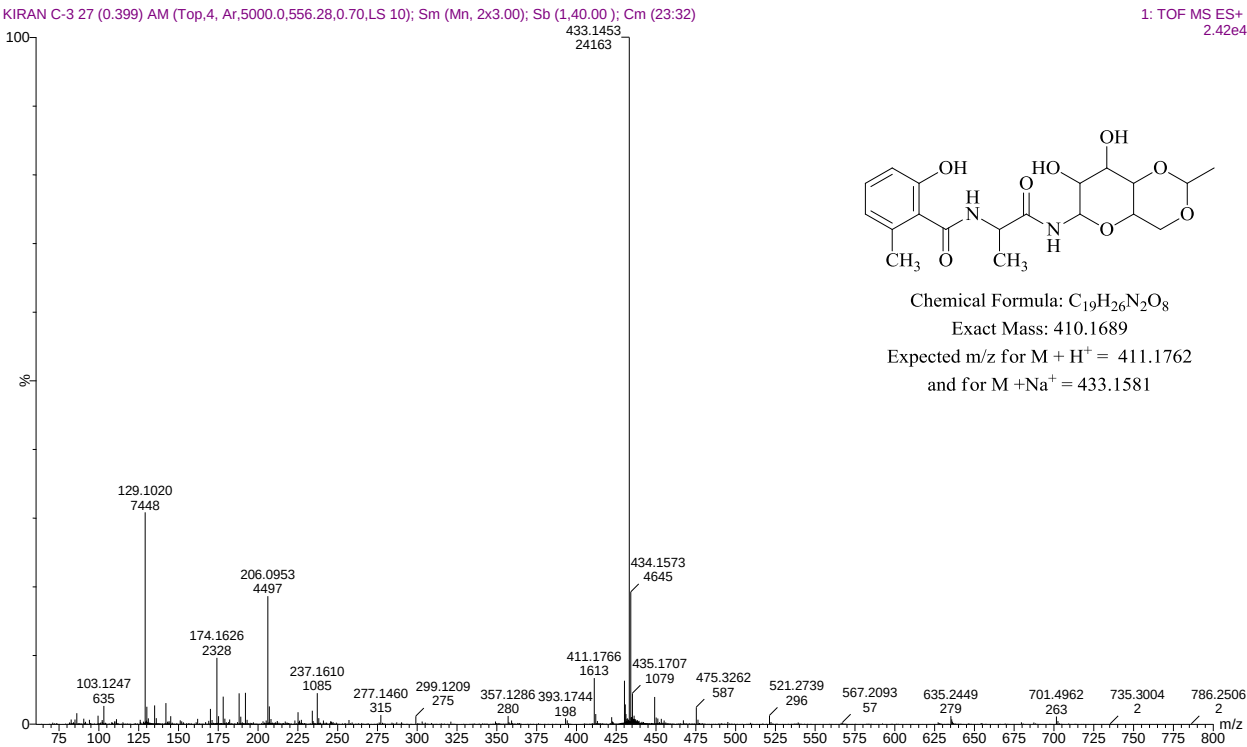
^1H - ^{13}C COSY NMR spectrum of compound C3 recorded in DMSO- d_6



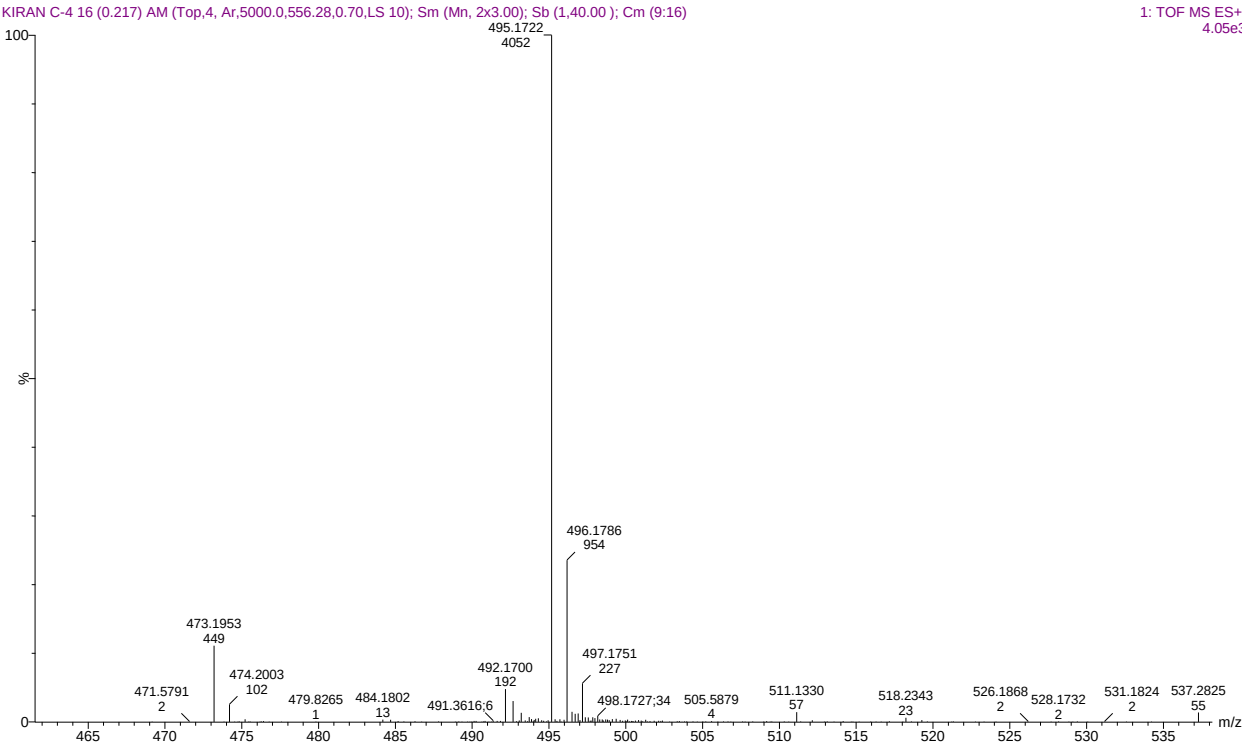
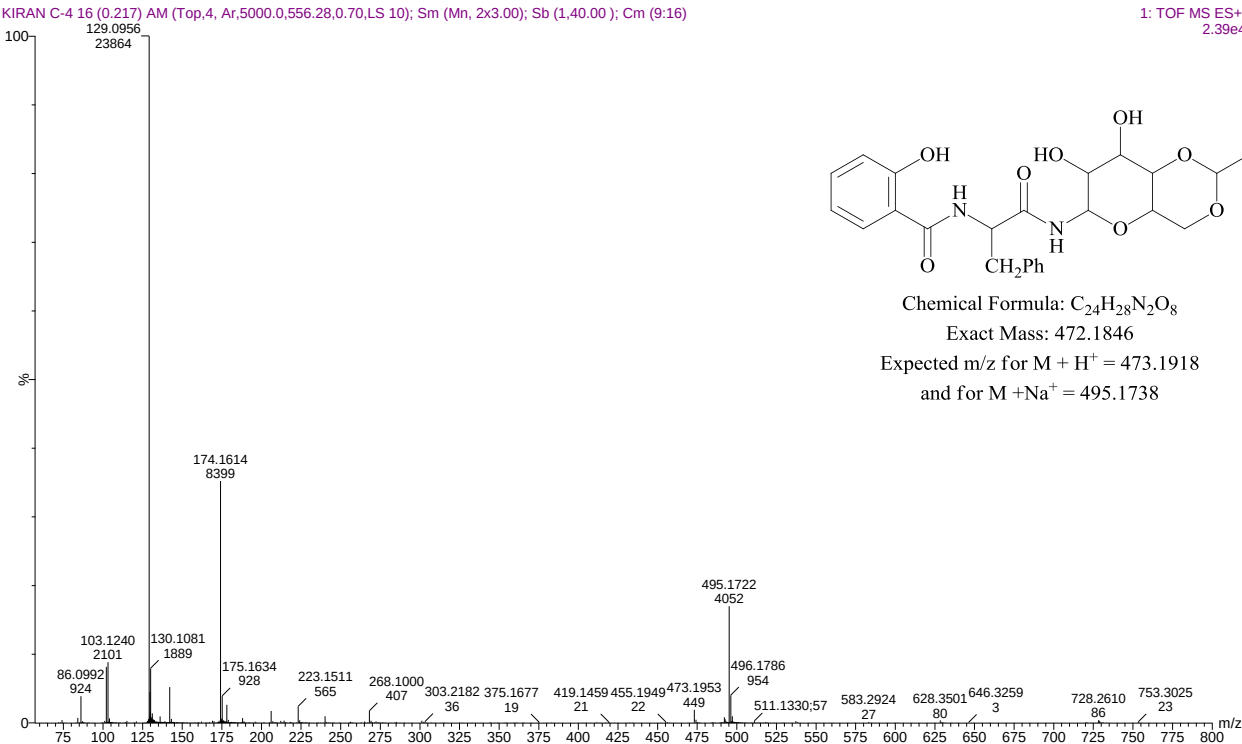
HRMS Spectra of C2



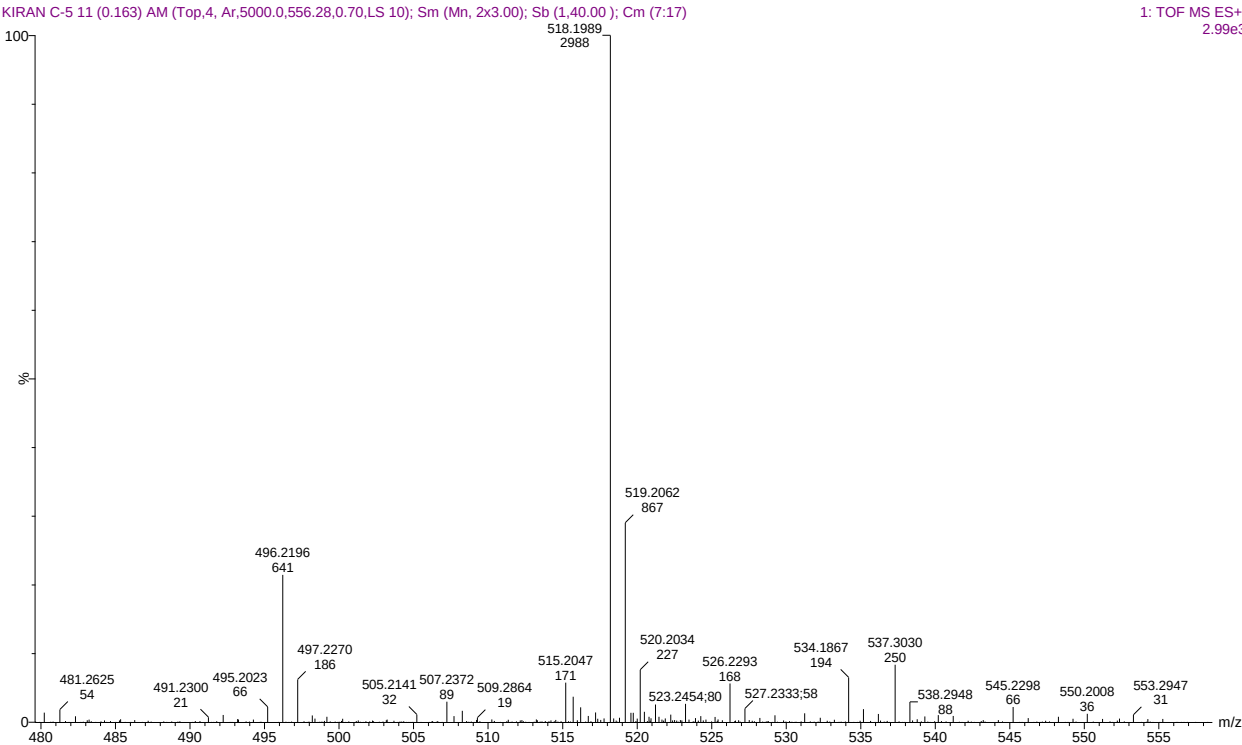
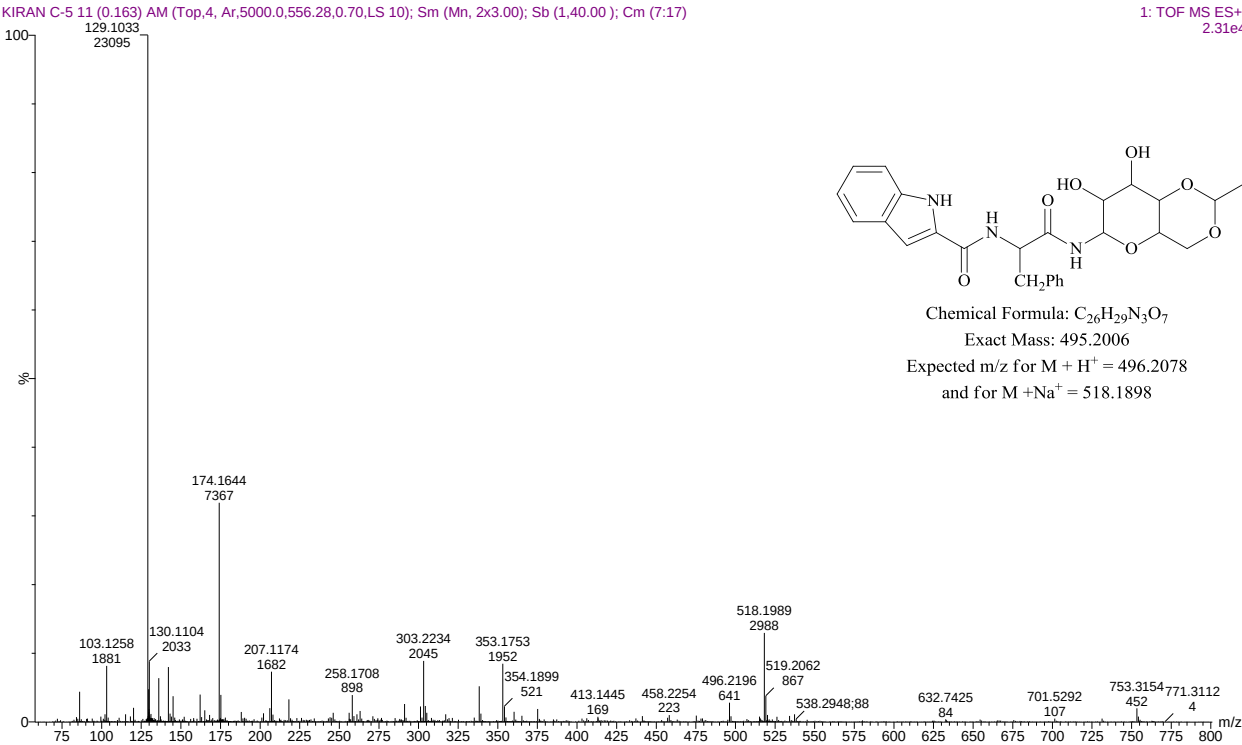
HRMS Spectra of C3



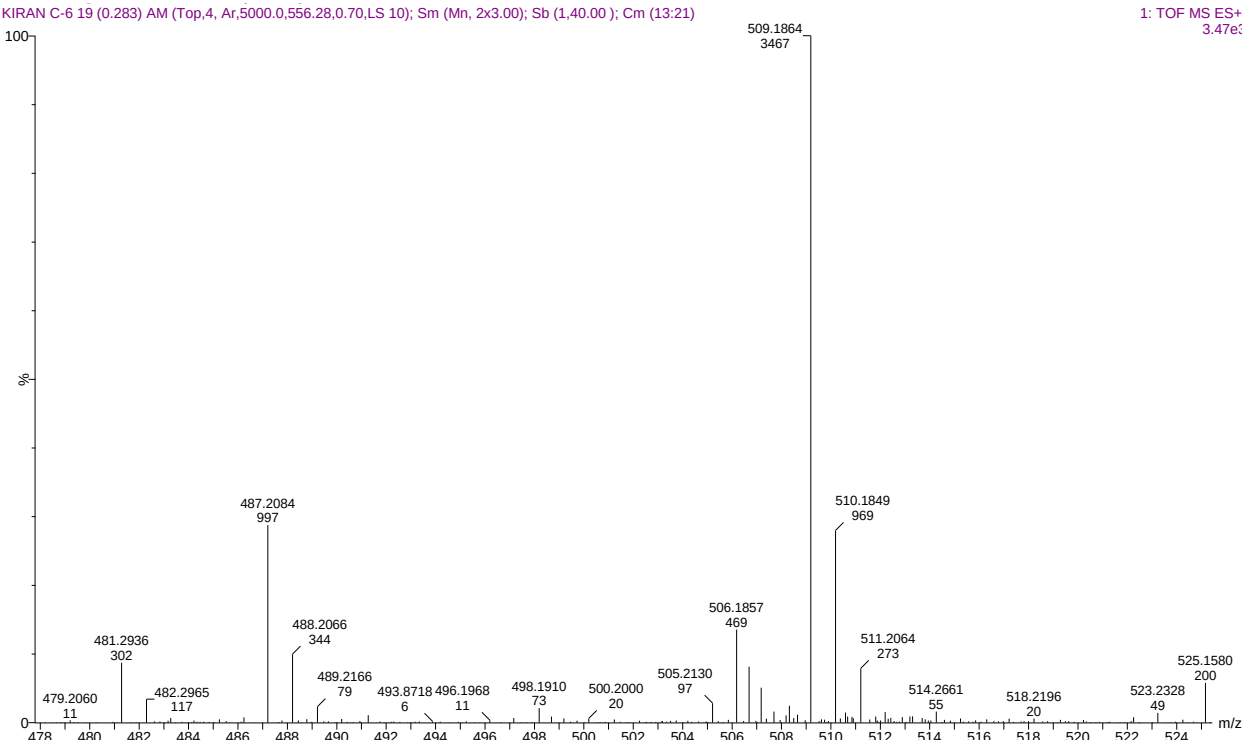
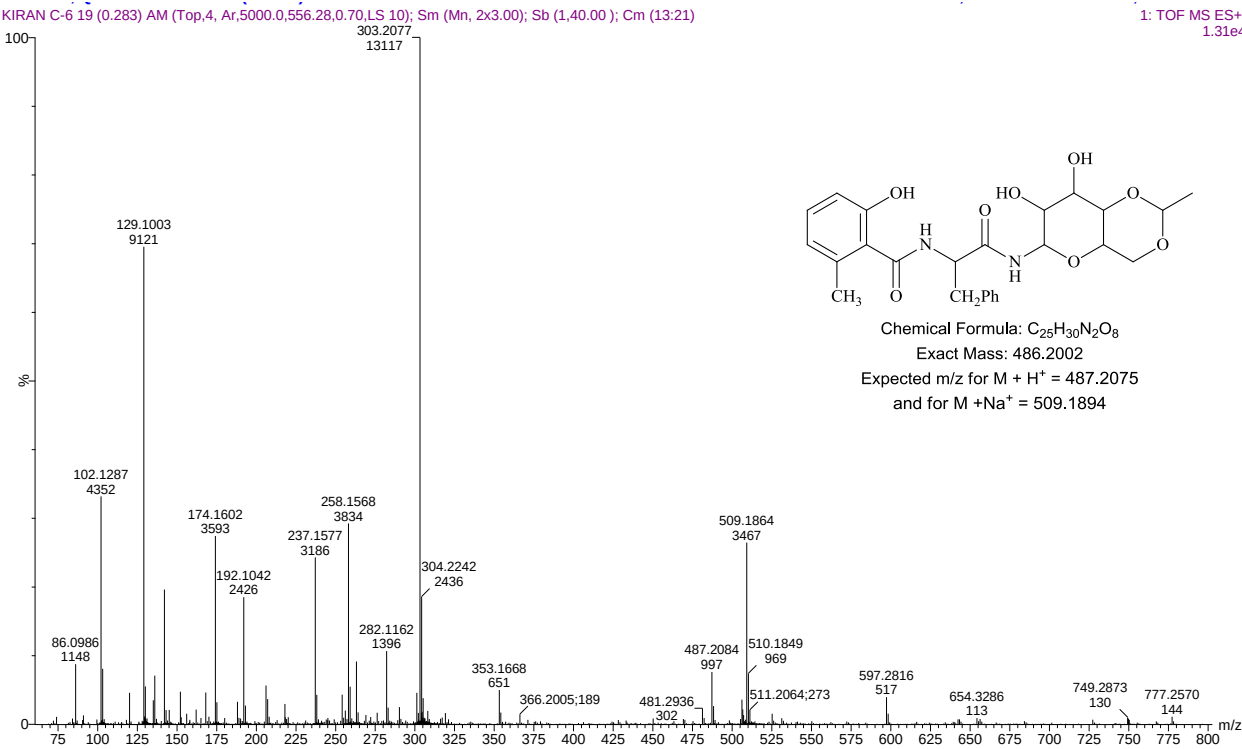
HRMS Spectra of C4

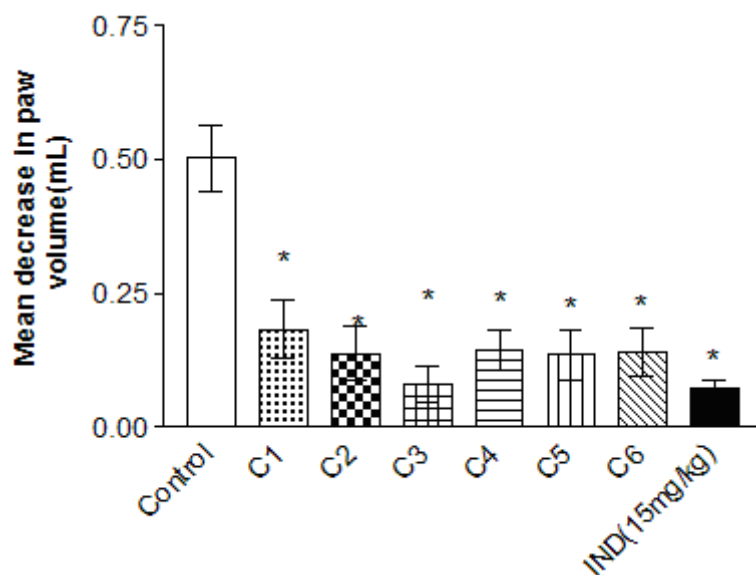


HRMS Spectra of C5



HRMS Spectra of C6





ESI Figure 1. Anti-inflammatory chart for different drug molecules. *P < 0.01 with respect to control.

ESI Table 1. Analgesic activities of **C1–C6** on Swiss Albino mice using acetic acid induced writhing model

Label	Dose(mg/kg, i.p.)	No of writhings ^a	% Reduction in pain symptoms
Acetic Acid Control	–	93±10.80	–
C1	100	5±0.63	94.62
C2	100	9.16±3.47	90.15
C3	100	11±6.25	88.17
C4	100	12.8±4.12	86.24
C5	100	7.16±1.66	92.30
C6	100	9.33±3.77	89.97
Aspirin	100	24.5±4.06	73.65

^a indicates 0.01 > P with relative to Control