

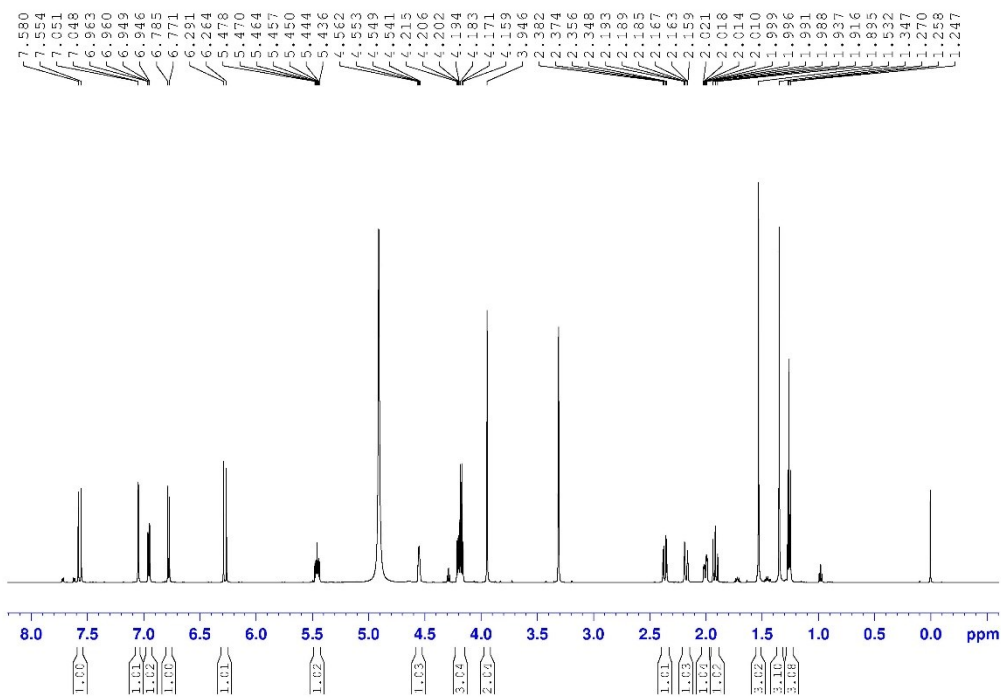
Amino acid ester-coupled Caffeoylquinic acid Derivatives as Potential Hypolipidemic Agents: Synthesis and Biological Evaluation

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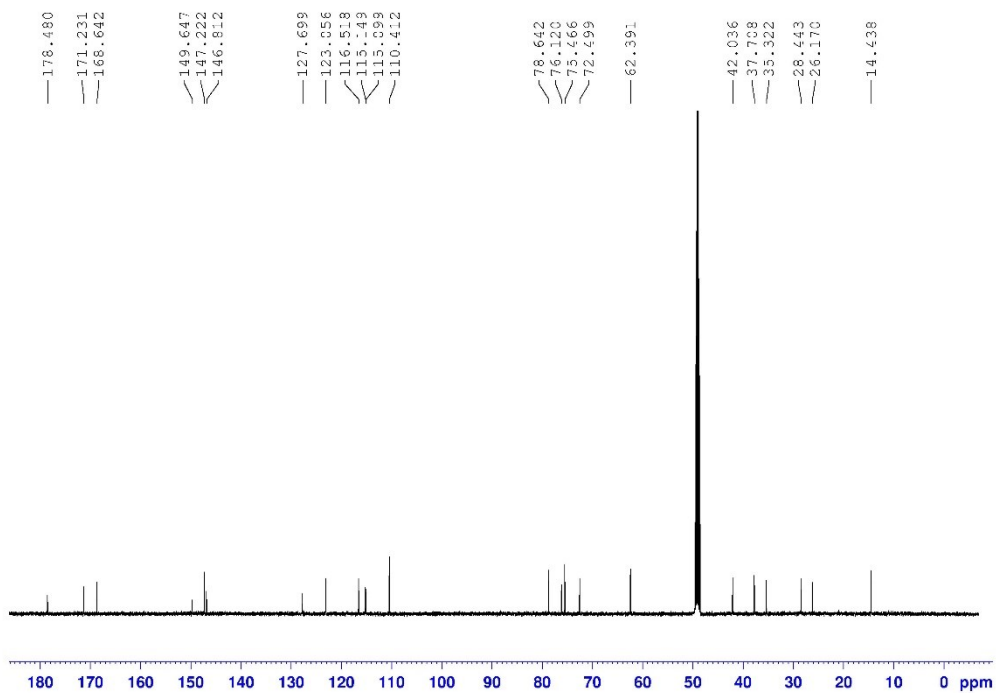
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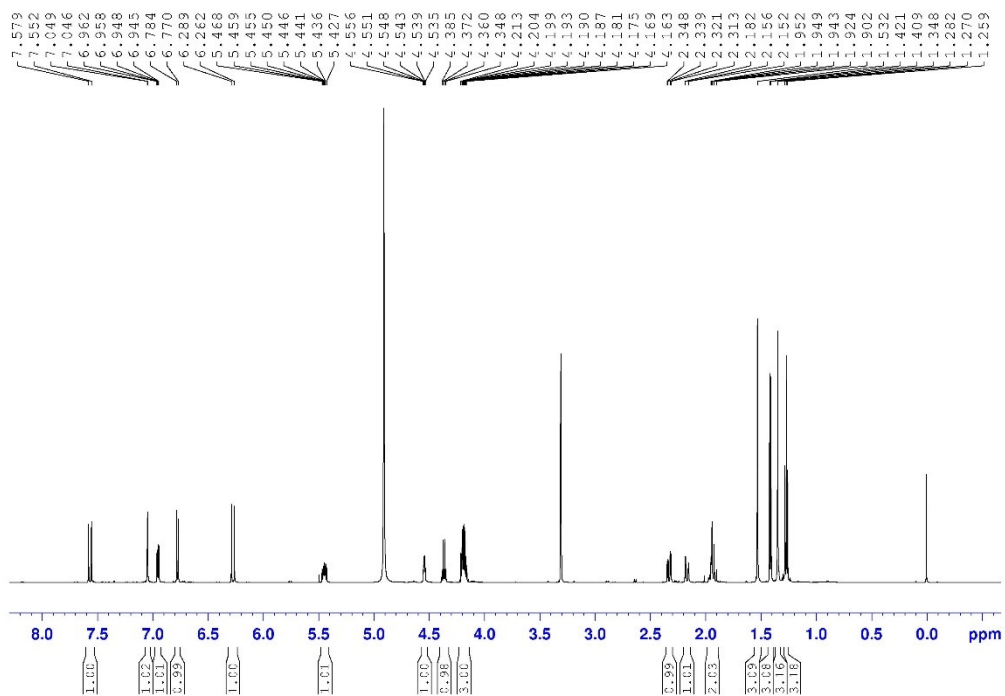
E-mail addresses: ytian@implad.ac.cn (Yu Tian).



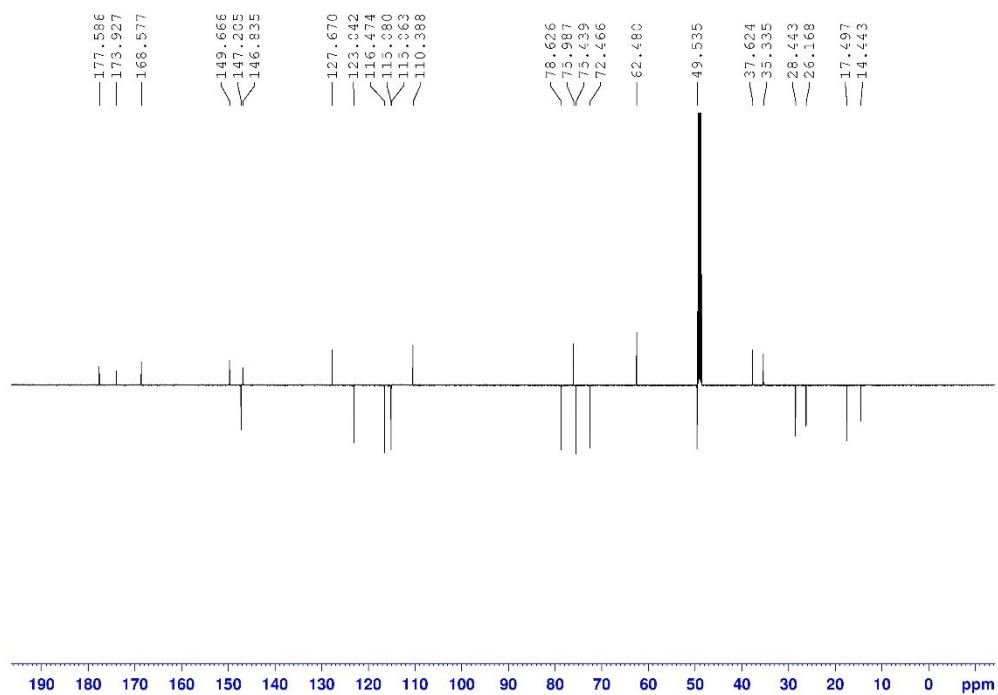
¹H NMR of compound **5a**



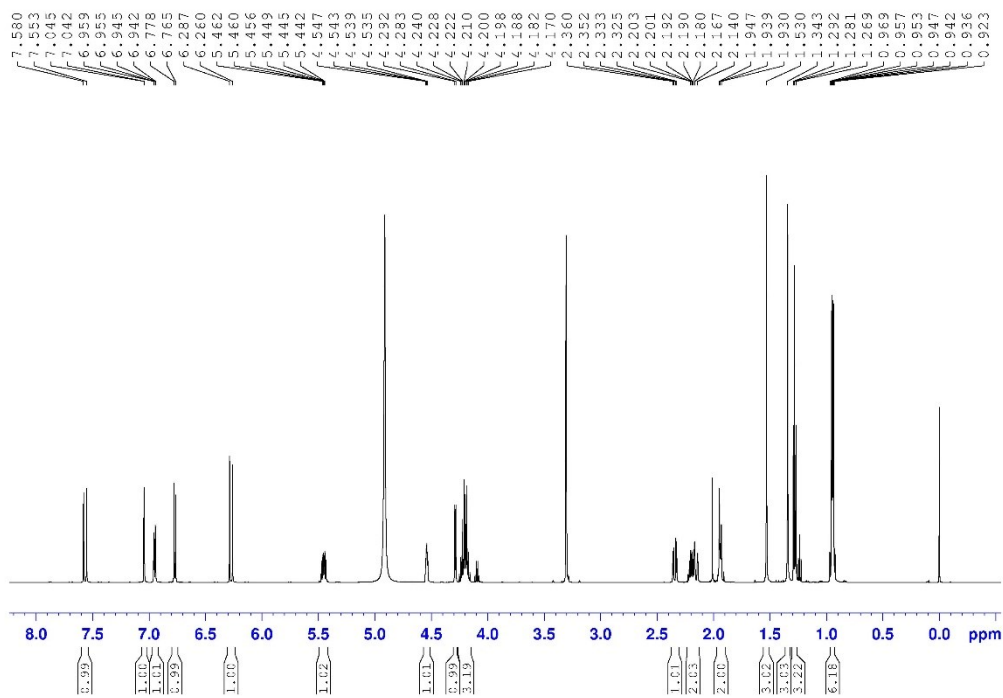
¹³C NMR of compound **5a**



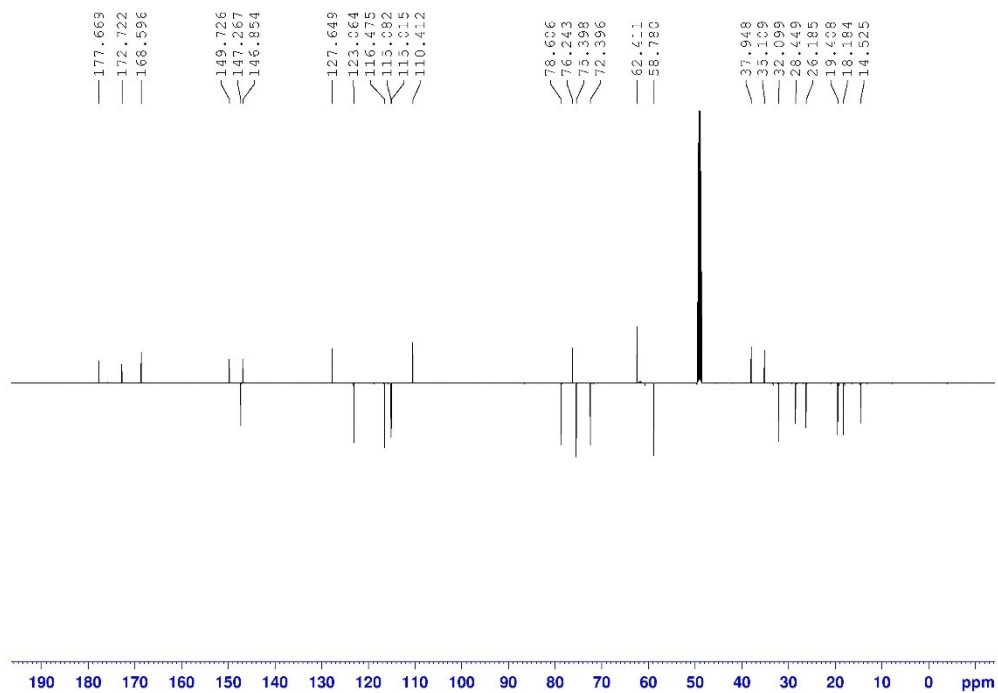
^1H NMR of compound **5b**



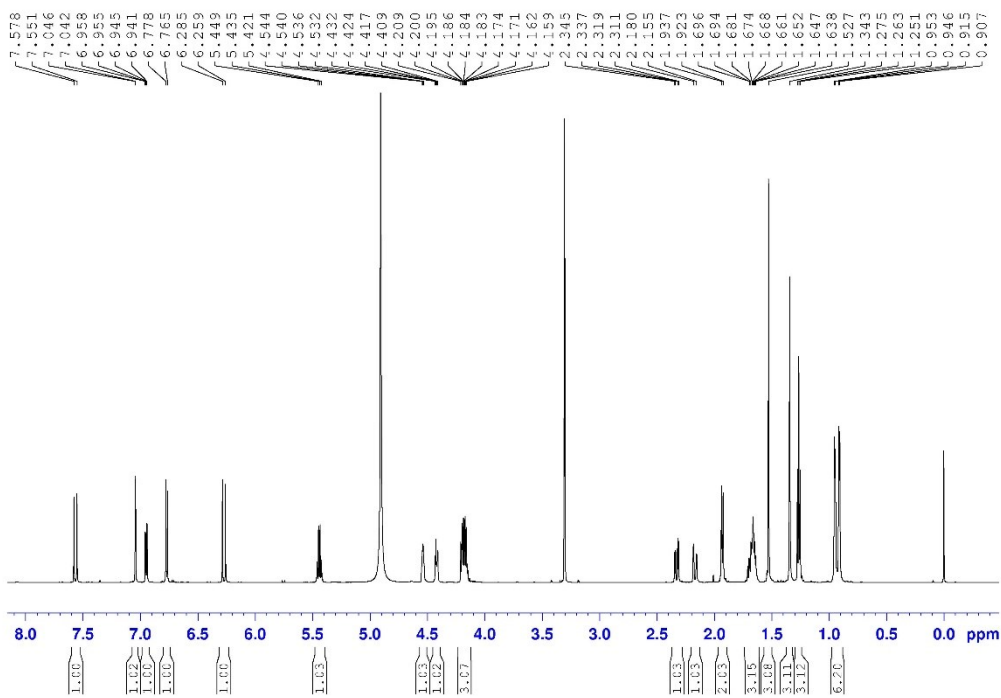
^{13}C APT of compound **5b**



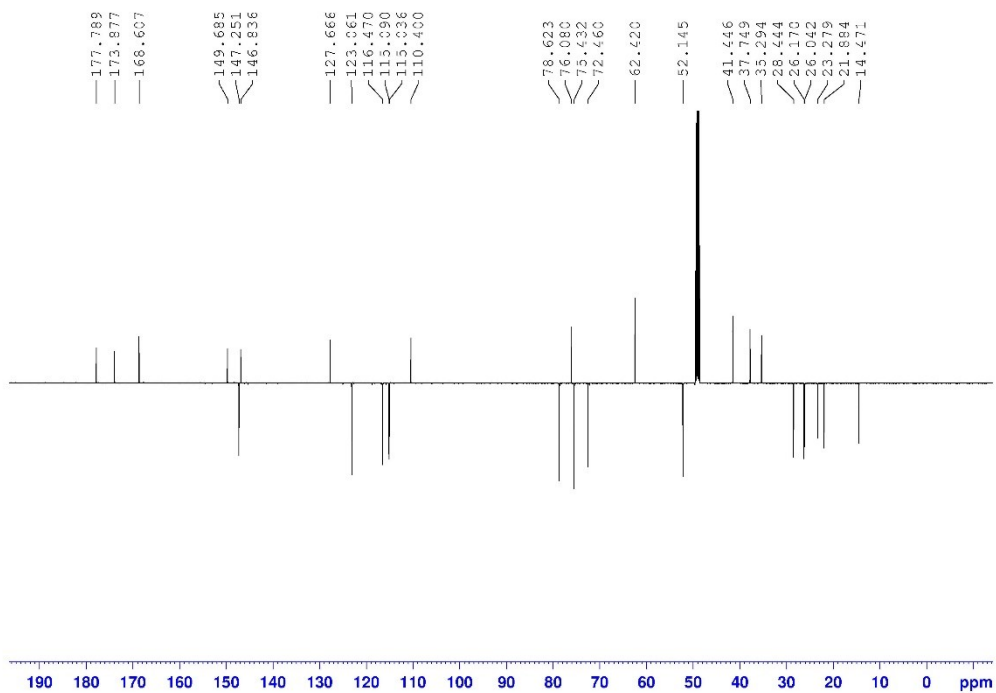
¹H NMR of compound 5c



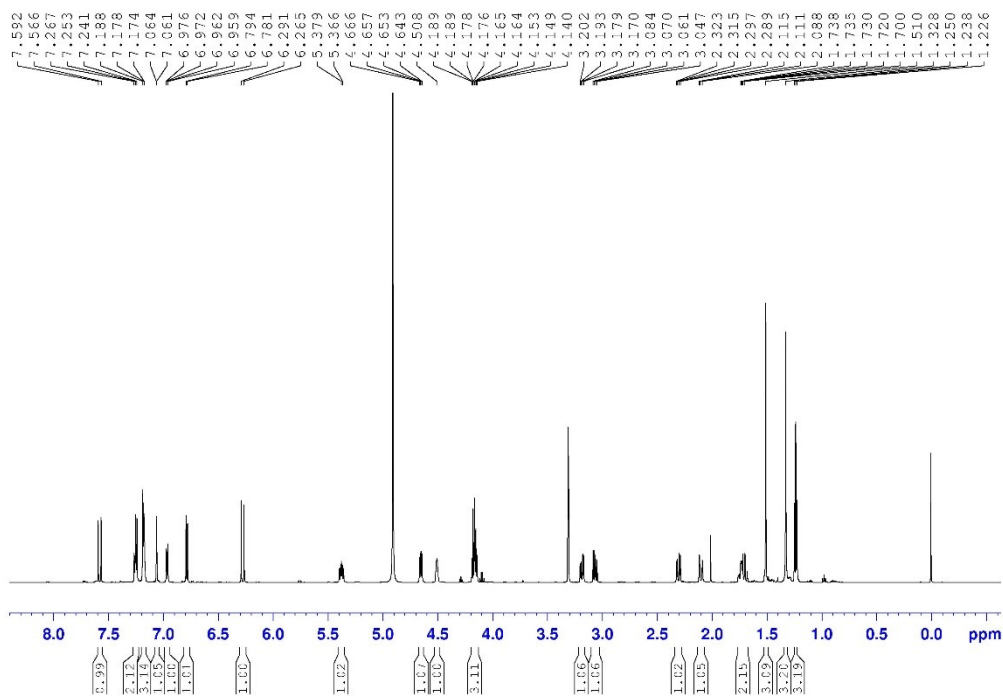
¹³C APT of compound 5c



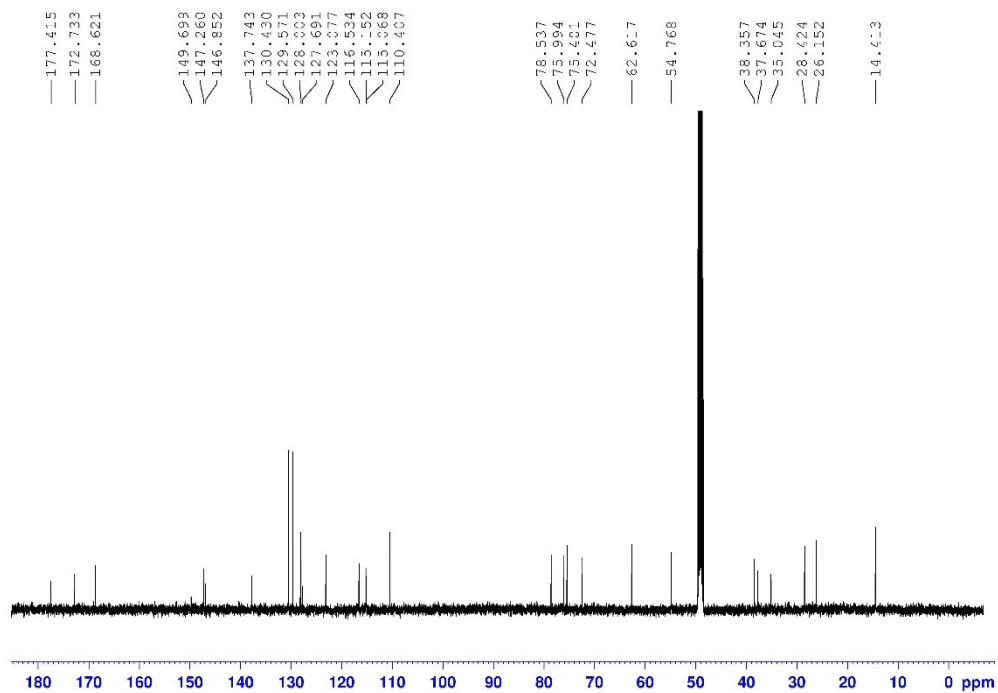
¹H NMR of compound **5d**



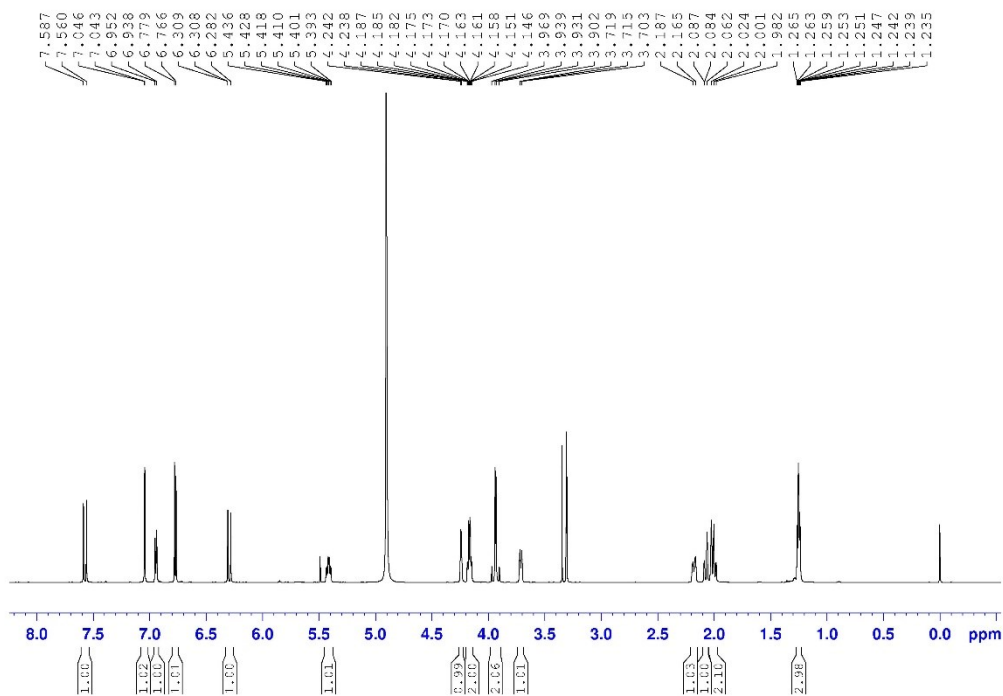
¹³C APT of compound **5d**



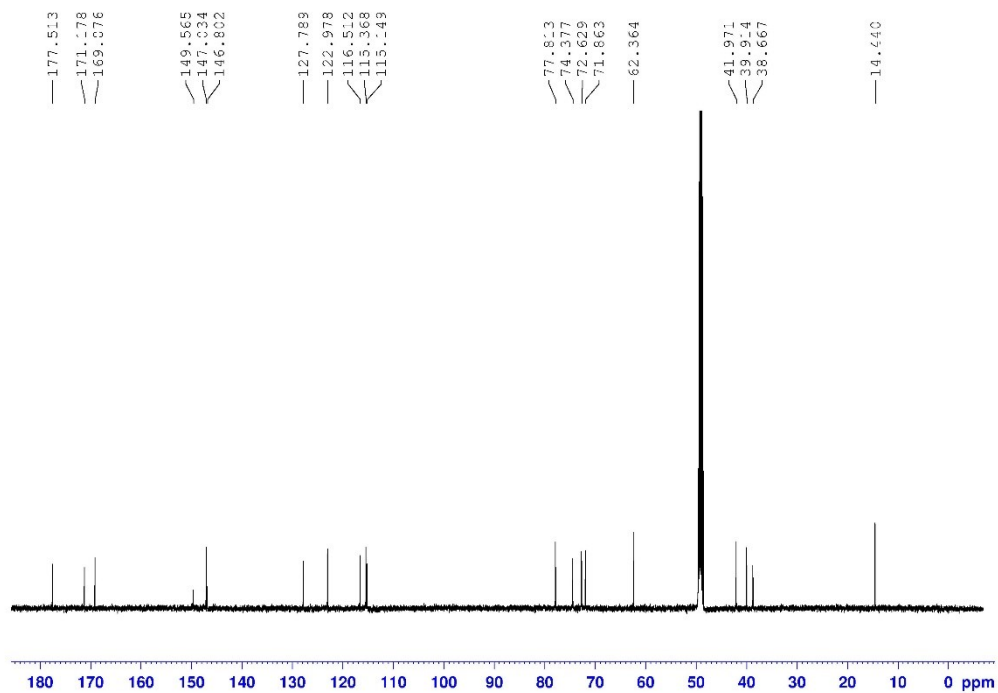
^1H NMR of compound **5e**



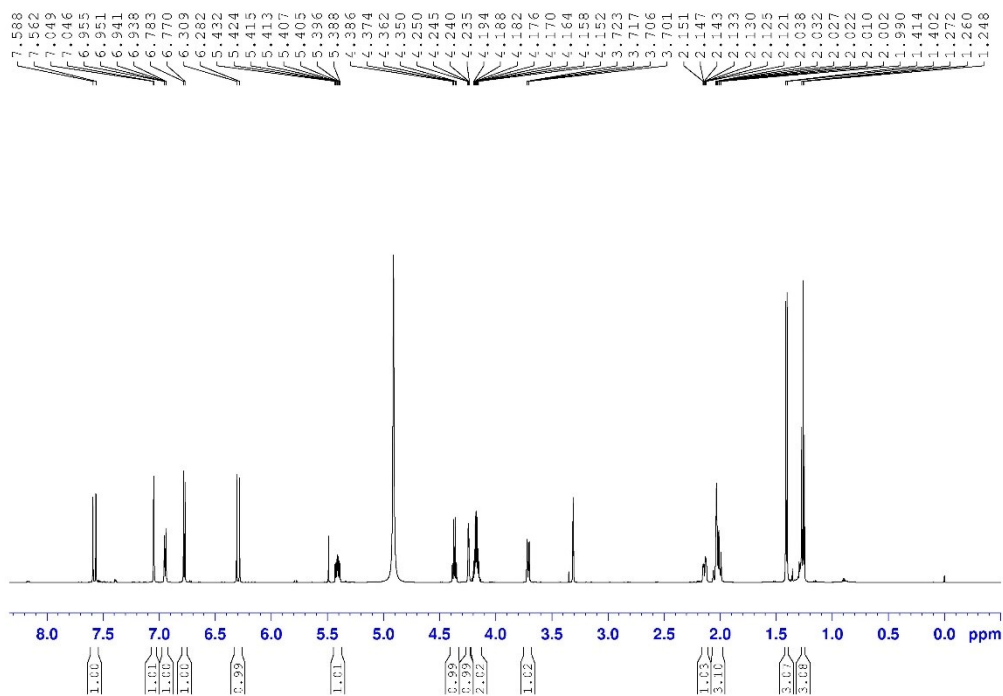
^{13}C NMR of compound **5e**



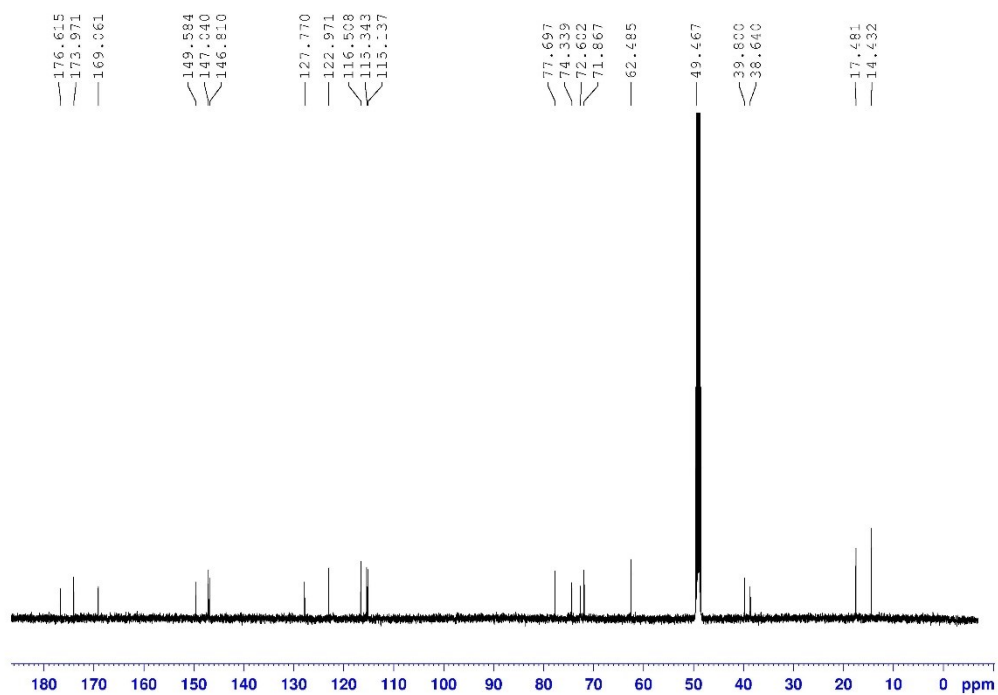
^1H NMR of compound **6a**



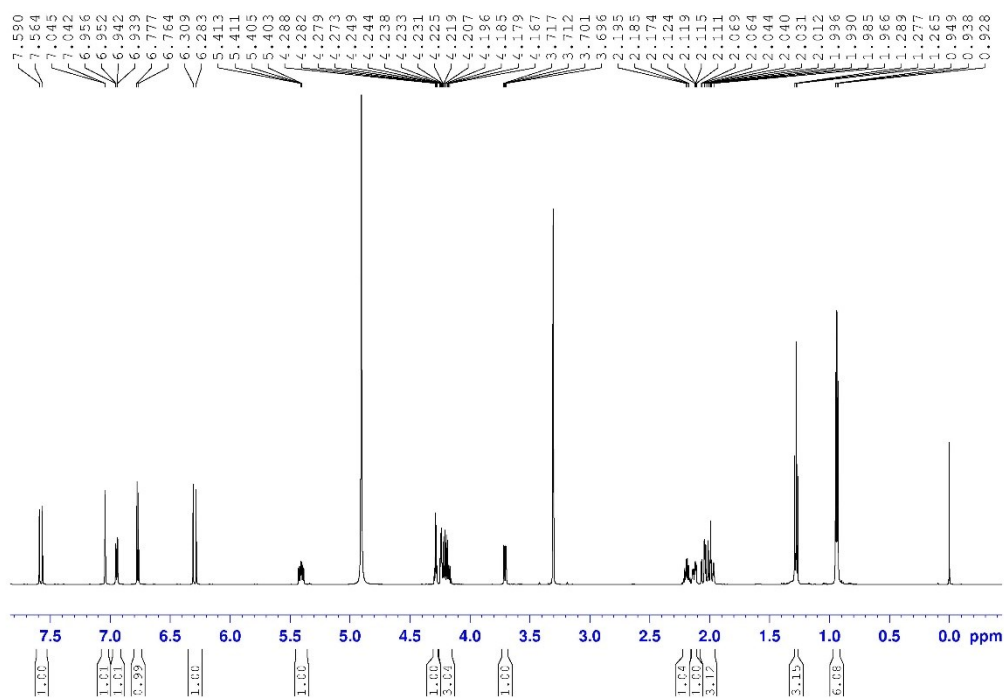
^{13}C NMR of compound **6a**



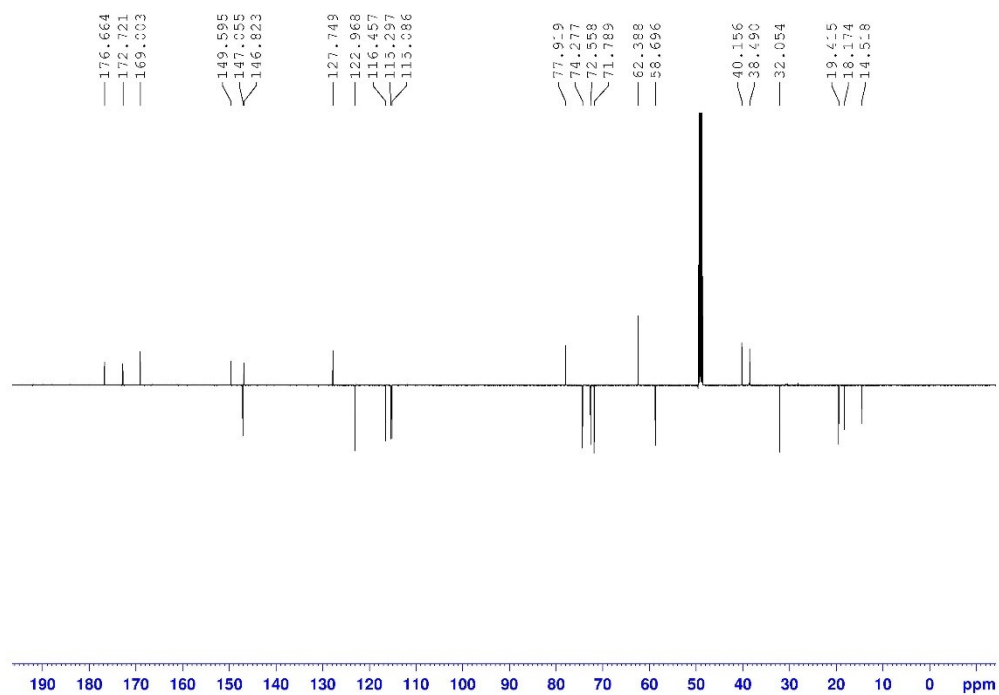
^1H NMR of compound **6b**



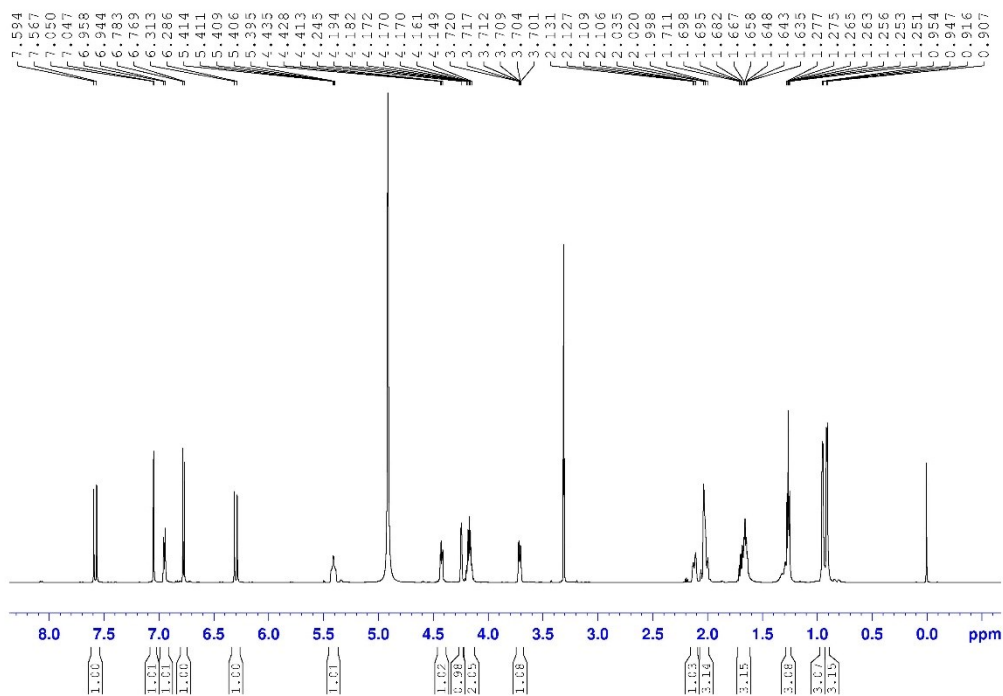
^{13}C NMR of compound **6b**



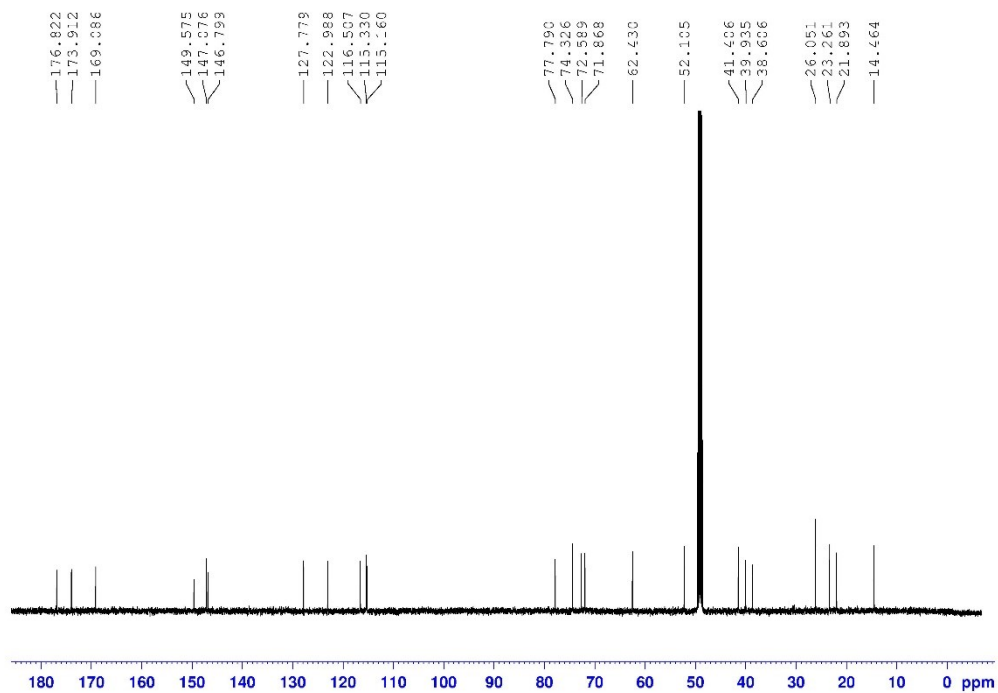
¹H NMR of compound **6c**



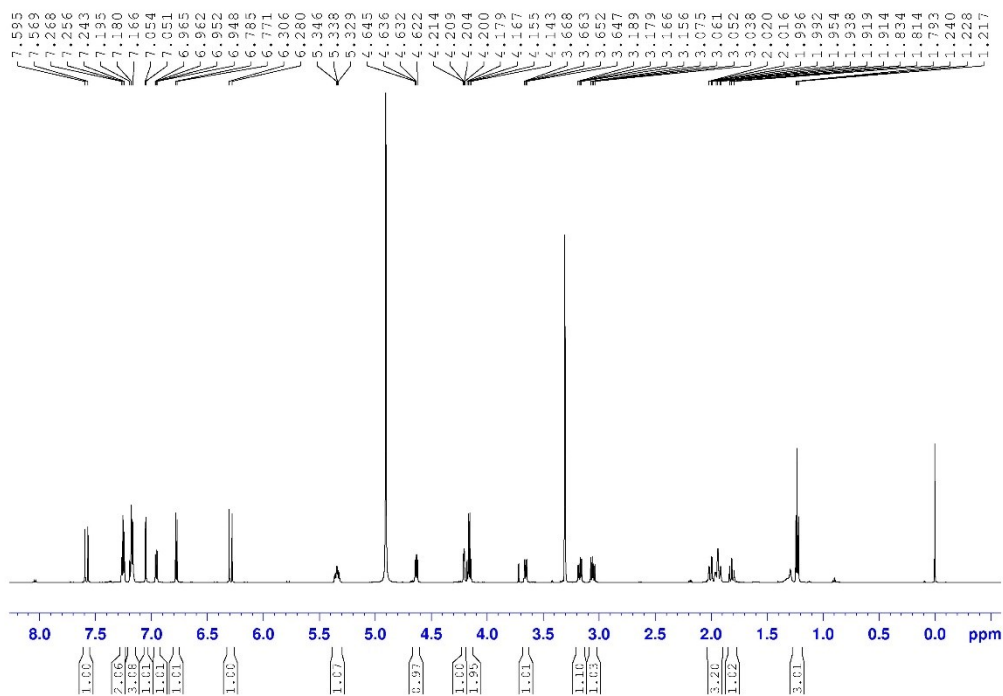
¹³C APT of compound **6c**



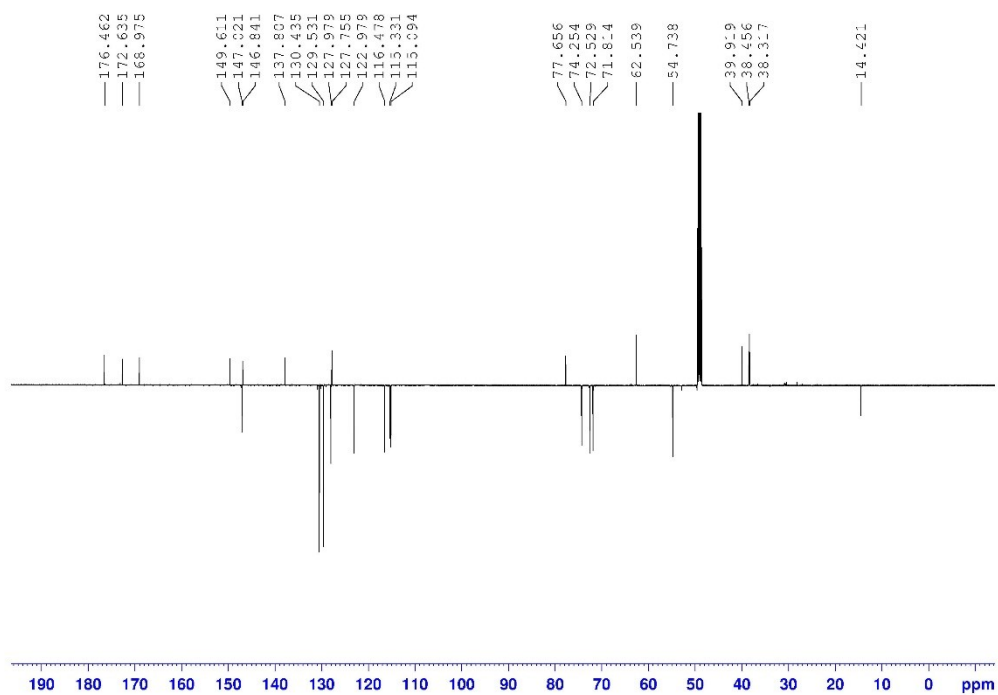
¹H NMR of compound **6d**



¹³C NMR of compound **6d**

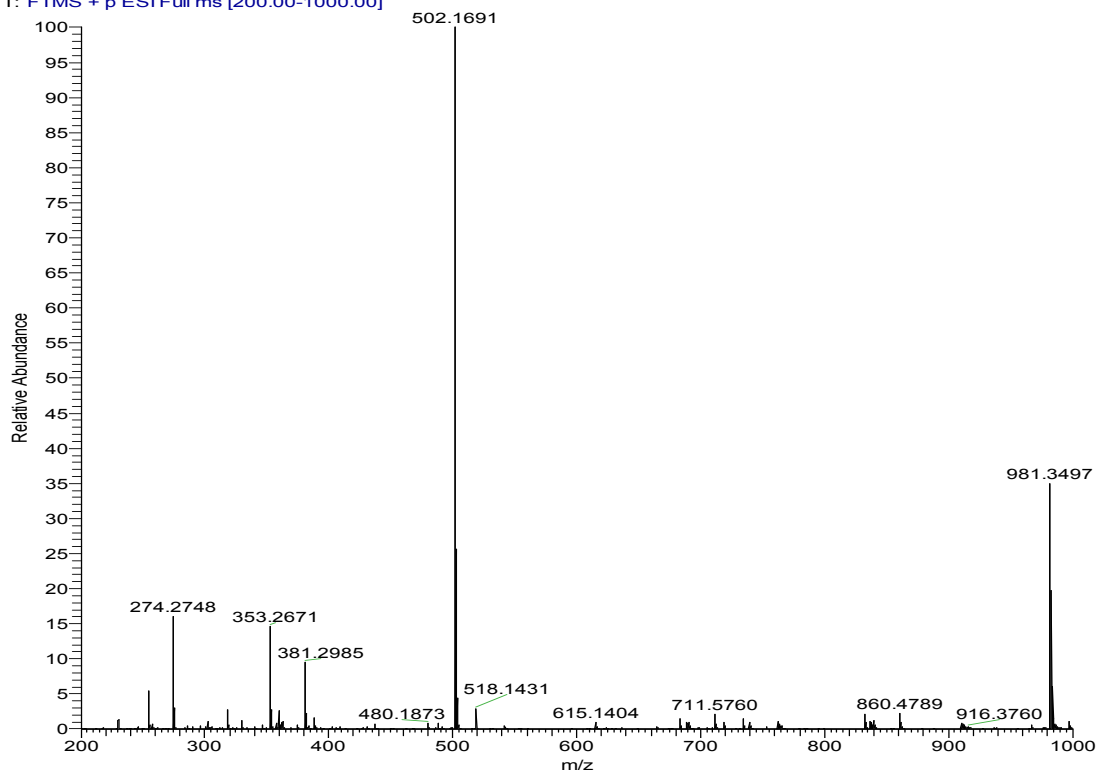


^1H NMR of compound **6e**



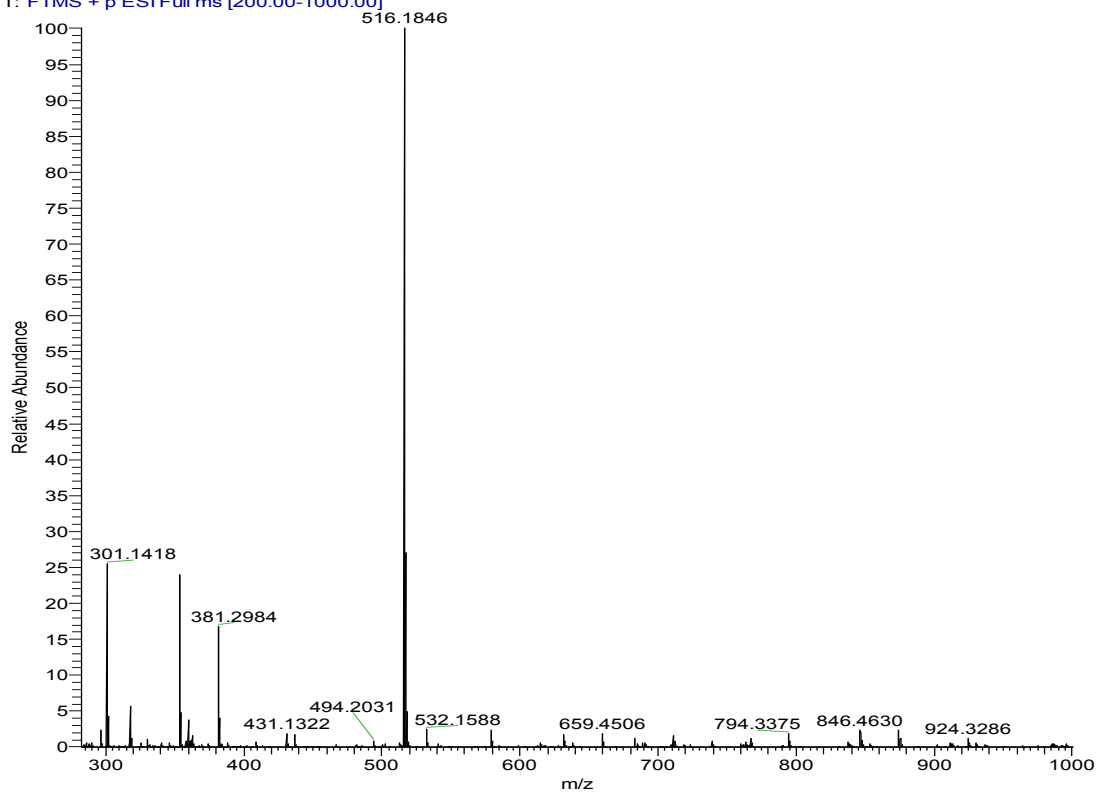
^{13}C APT of compound **6e**

CA-ACE-GLY_191025130029 #1 RT: 0.00 AV: 1 NL: 1.72E8
T: FTMS + p ESI Full ms [200.00-1000.00]



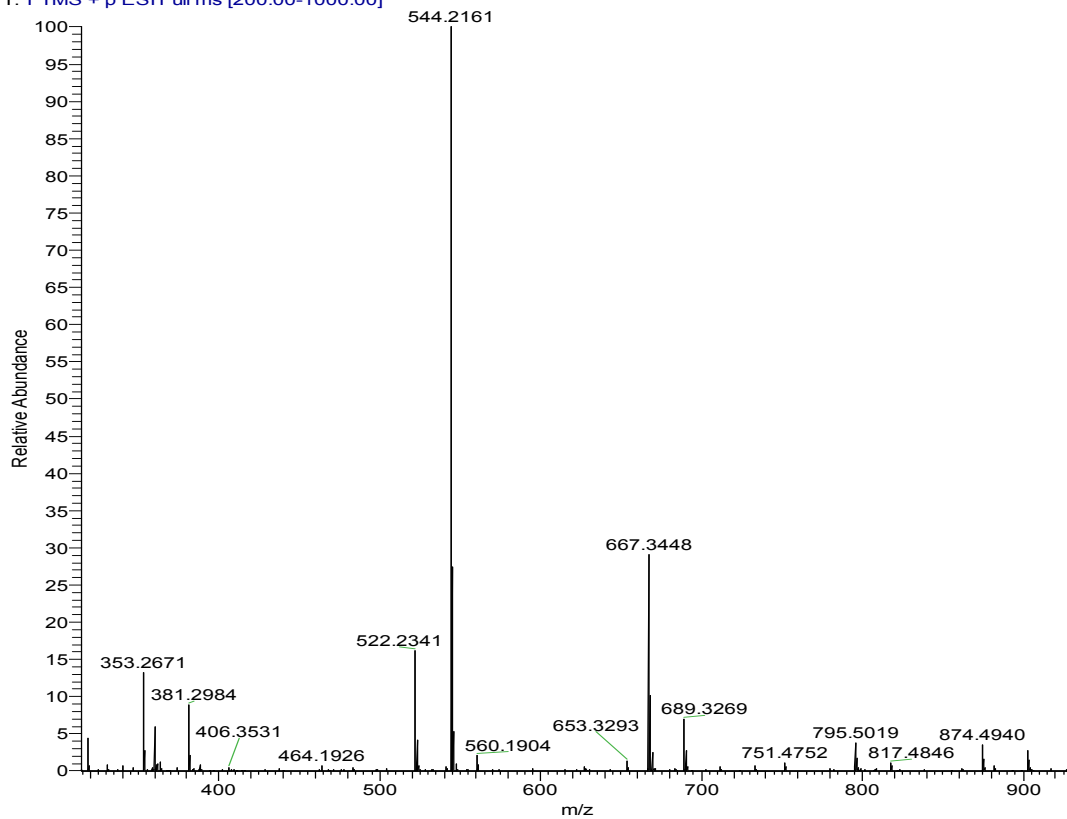
HRMS of compound 5a

CA-ACE-ALA_191025130029 #1 RT: 0.00 AV: 1 NL: 1.13E8
T: FTMS + p ESI Full ms [200.00-1000.00]



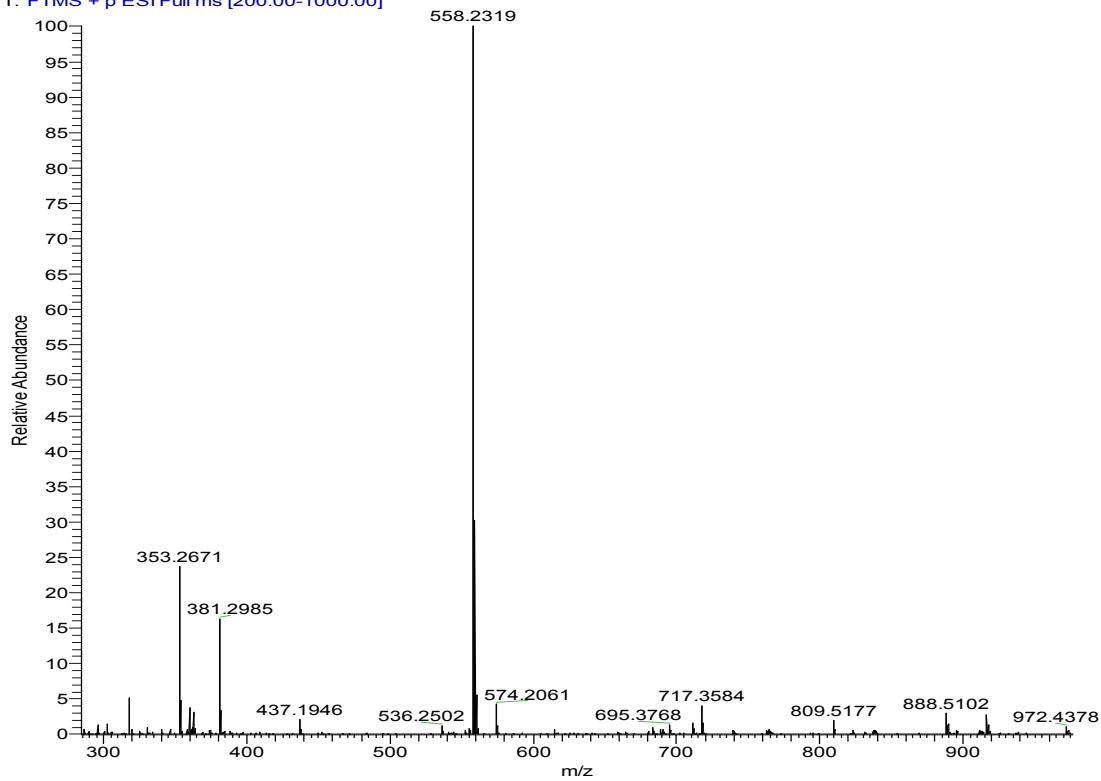
HRMS of compound 5b

CA-ACE-VAL_191025133906 #1 RT: 0.00 AV: 1 NL: 8.83E7
T: FTMS + p ESI Full ms [200.00-1000.00]



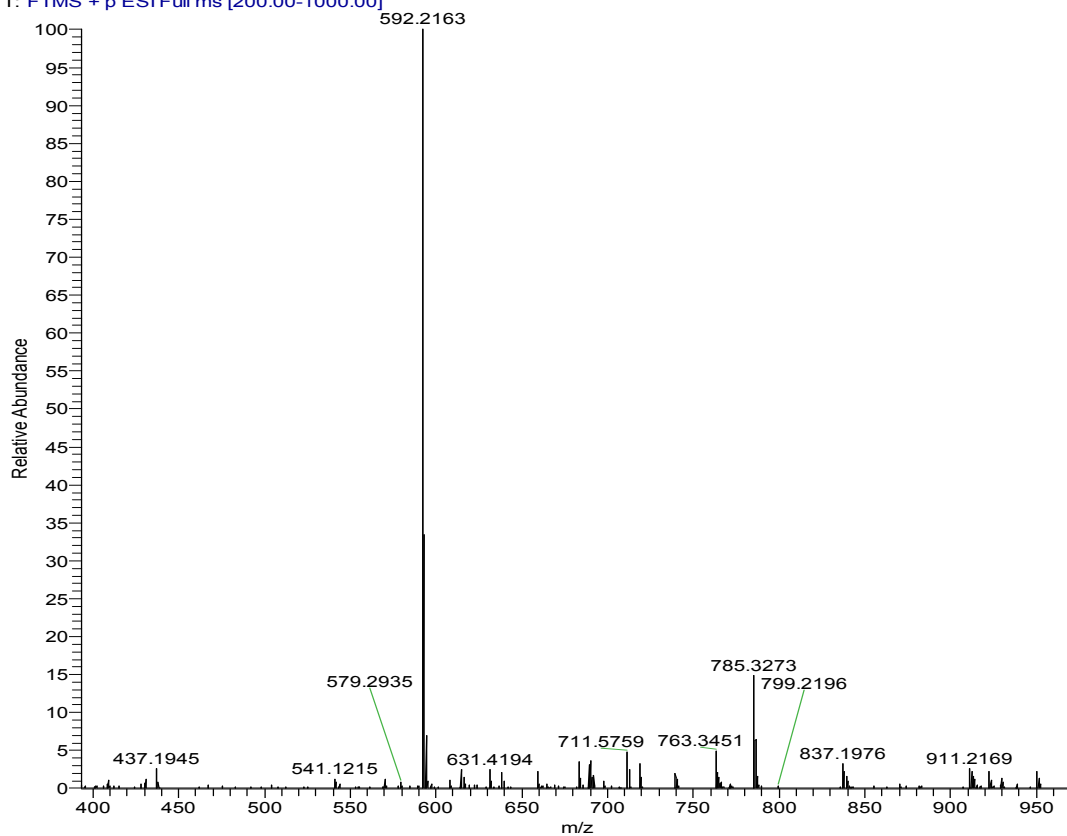
HRMS of compound 5c

CA-ACE-LEU_191025135938 #1 RT: 0.01 AV: 1 NL: 8.36E7
T: FTMS + p ESI Full ms [200.00-1000.00]



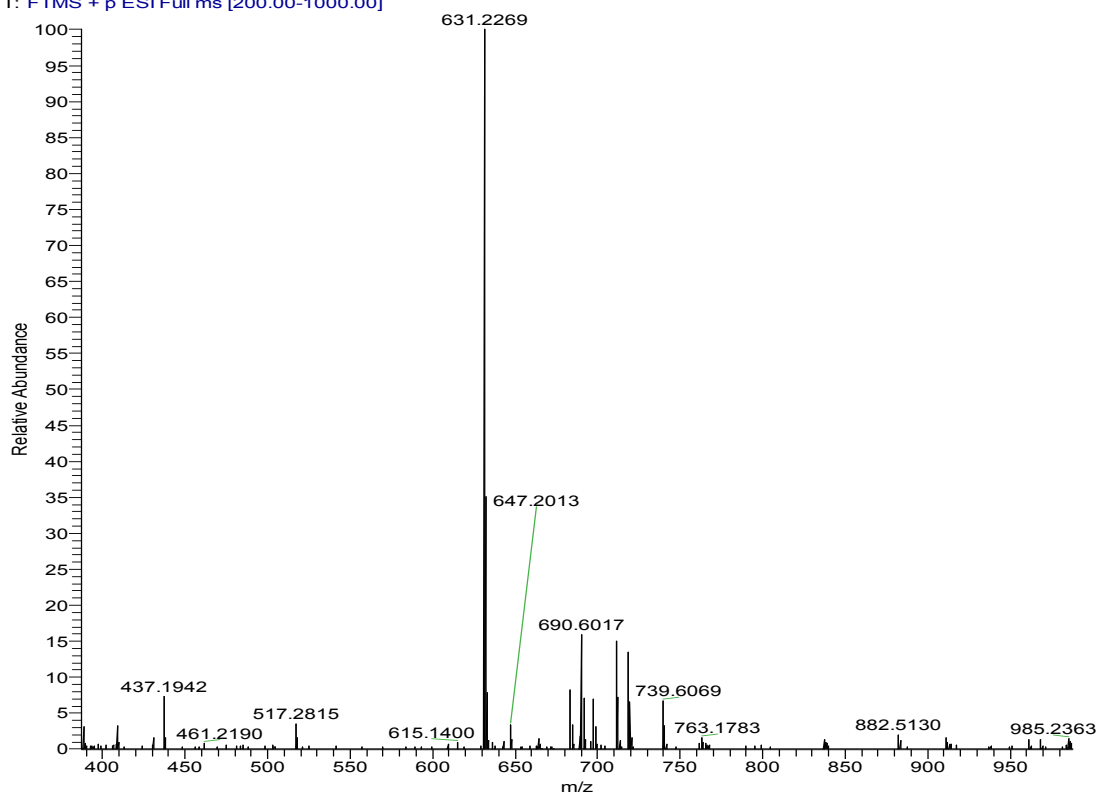
HRMS of compound 5d

CA-ACE-PHE_191025135124 #1 RT: 0.00 AV: 1 NL: 7.10E7
T: FTMS + p ESI Full ms [200.00-1000.00]



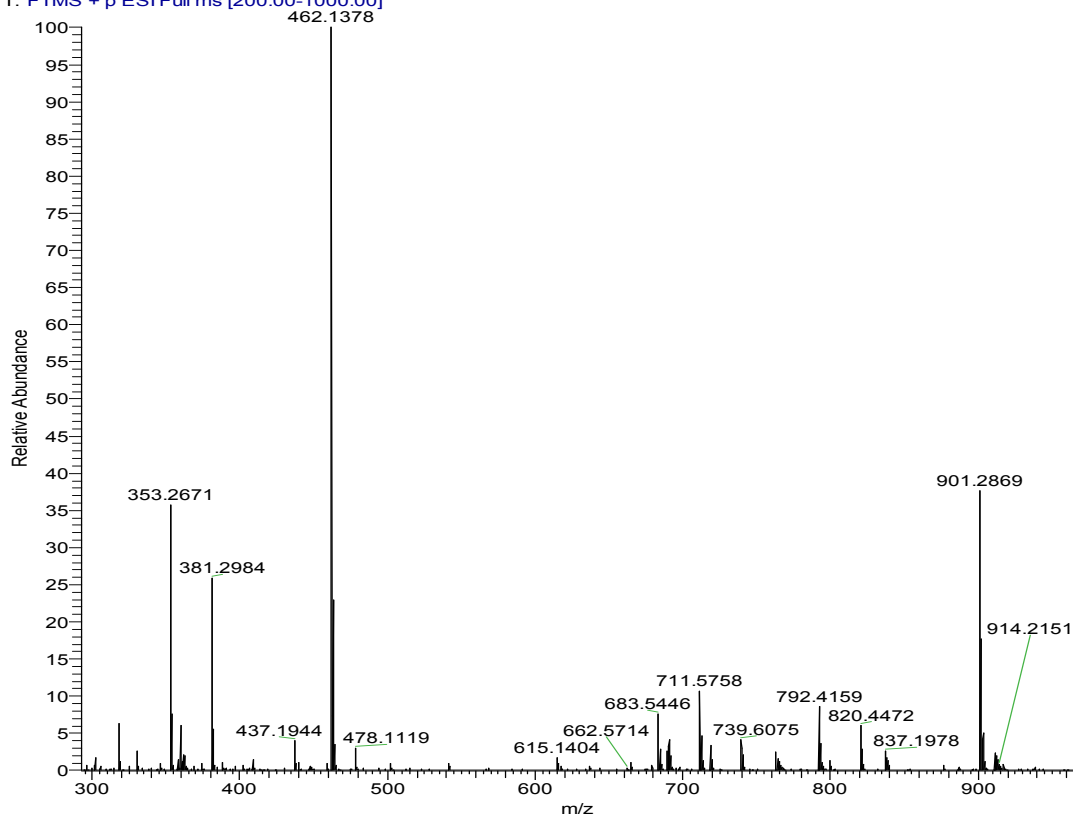
HRMS of compound 5e

CA-ACE-TRP_191025141711 #1 RT: 0.01 AV: 1 NL: 5.02E7
T: FTMS + p ESI Full ms [200.00-1000.00]



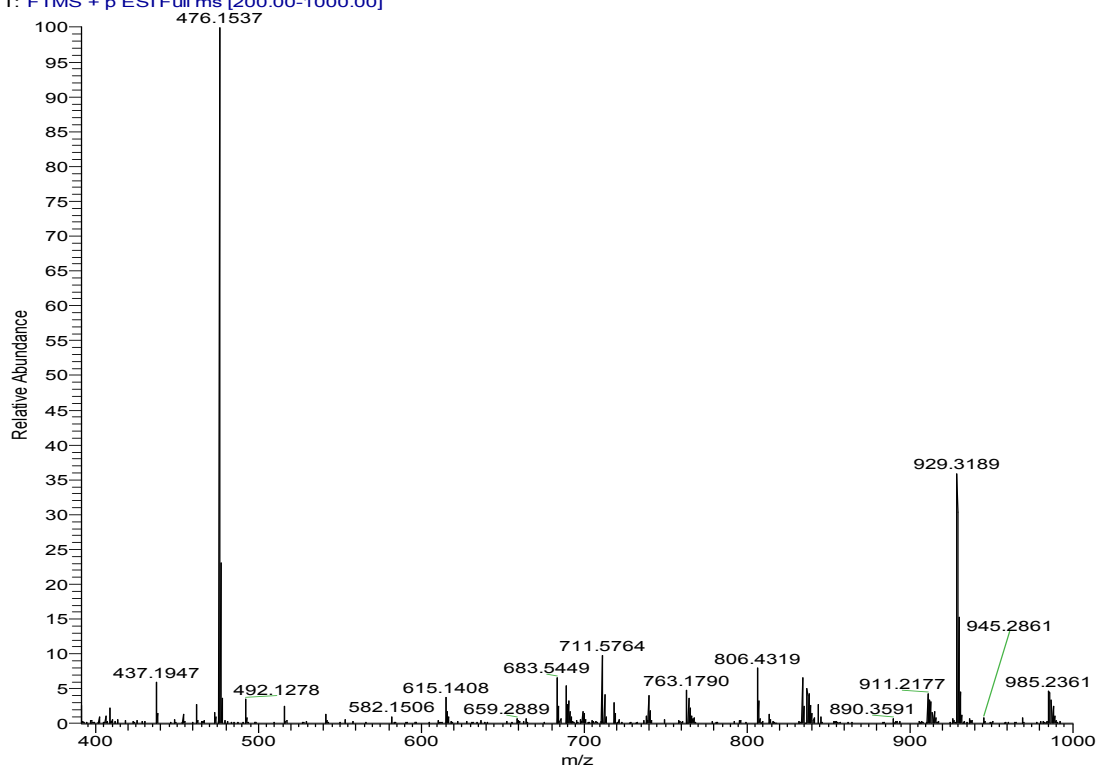
HRMS of compound 5f

CA-ACE-GLY-OH_191025130029 #1 RT: 0.01 AV: 1 NL: 8.50E7
T: FTMS + p ESI Full ms [200.00-1000.00]



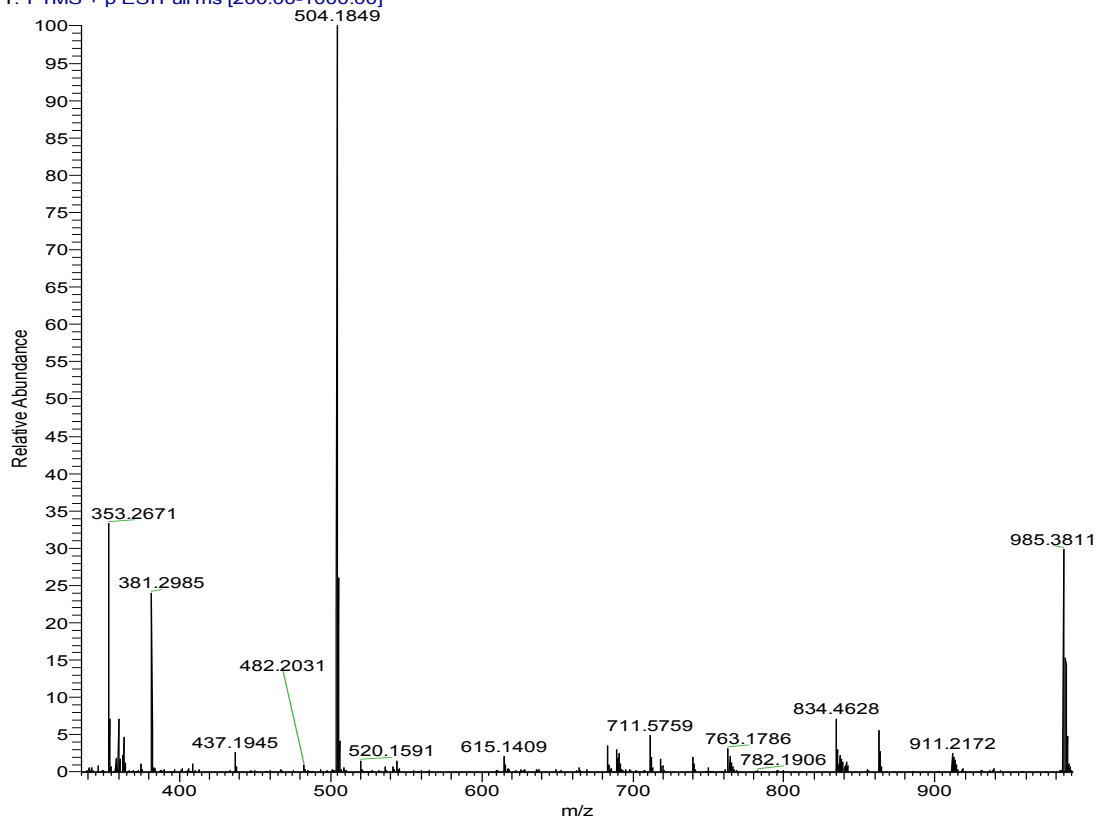
HRMS of compound 6a

CA-ACE-ALA-OH_191025130029 #1 RT: 0.00 AV: 1 NL: 1.49E8
T: FTMS + p ESI Full ms [200.00-1000.00]



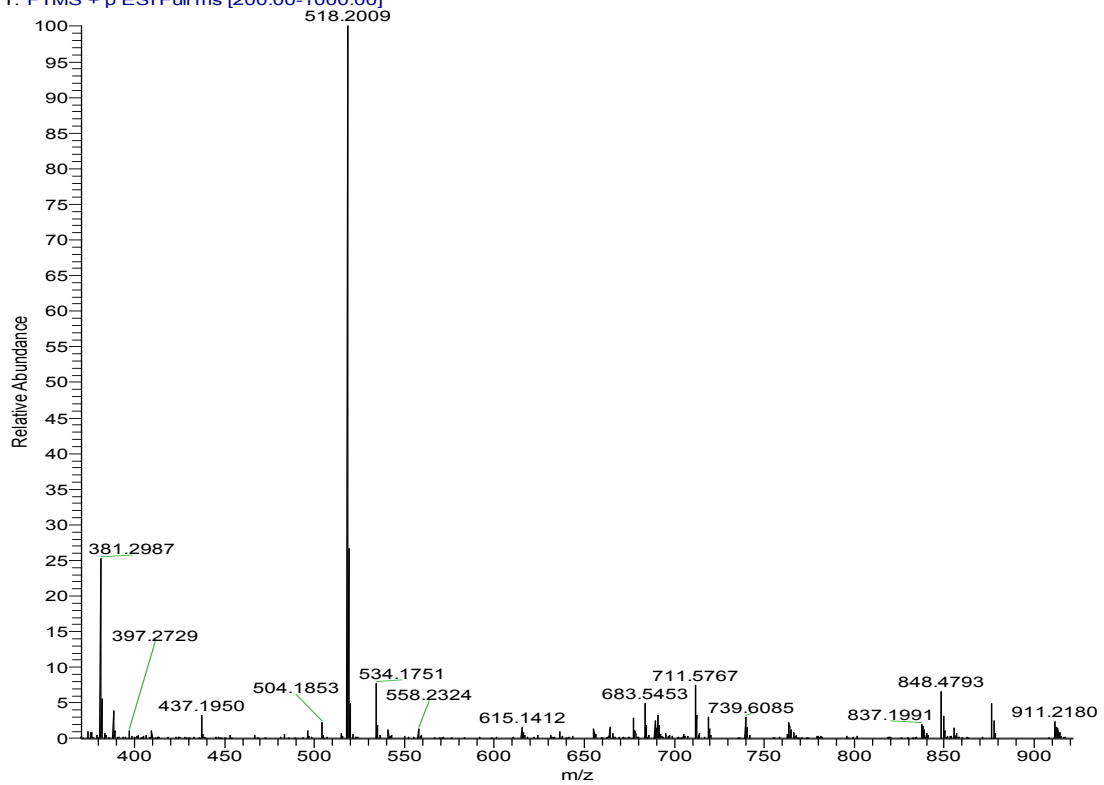
HRMS of compound 6b

CA-ACE-VAL-OH_191025134506 #1 RT: 0.00 AV: 1 NL: 6.62E7
T: FTMS + p ESI Full ms [200.00-1000.00]



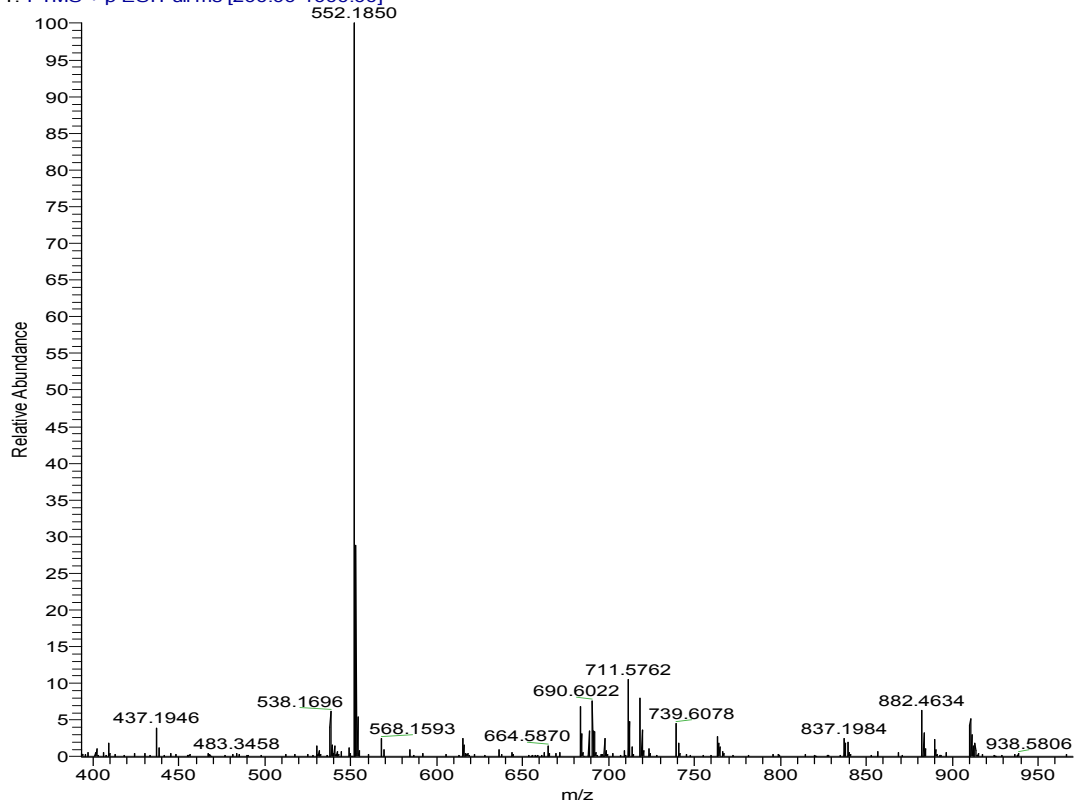
HRMS of compound 6c

CA-ACE-LEU-OH_191025135938 #1 RT: 0.00 AV: 1 NL: 6.92E7
T: FTMS + p ESI Full ms [200.00-1000.00]



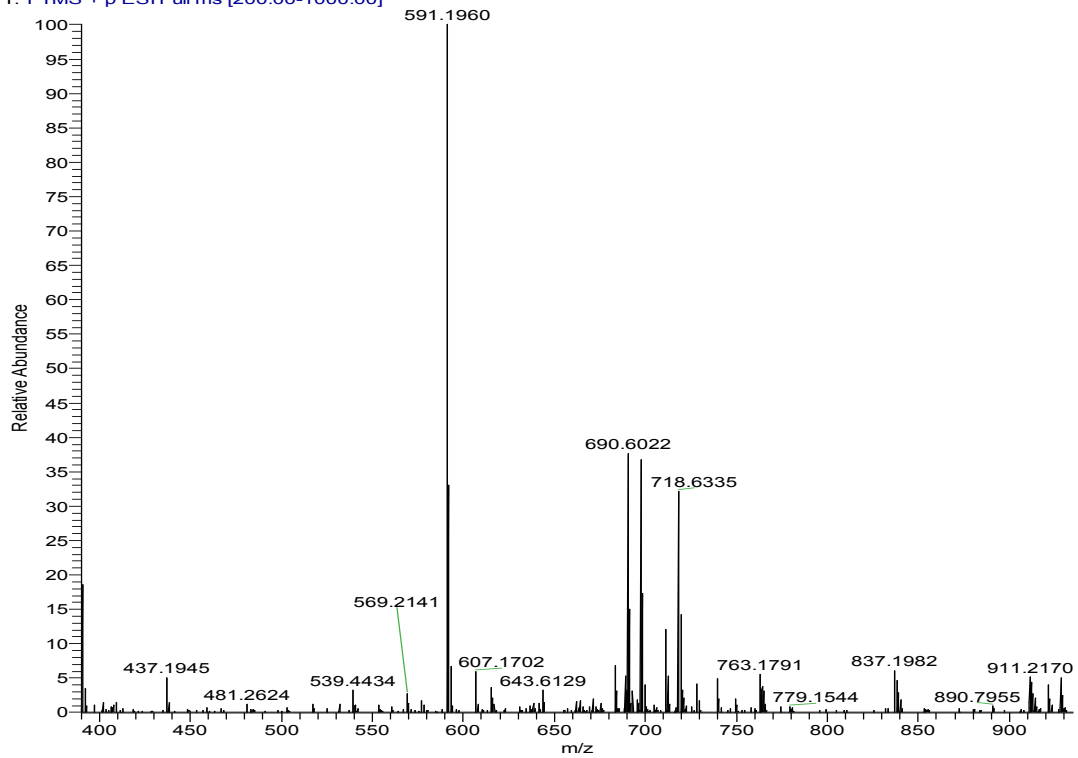
HRMS of compound 6d

CA-ACE-PHE-OH_191025135913 #1 RT: 0.01 AV: 1 NL: 4.50E7
T: FTMS + p ESI Full ms [200.00-1000.00]



HRMS of compound 6e

CA-ACE-TRP-OH_191025141711 #1 RT: 0.00 AV: 1 NL: 7.33E7
T: FTMS + p ESI Full ms [200.00-1000.00]



HRMS of compound 6f

Supplementary Table 1. Primers used for quantitative real-time PCR		
Gene	Forward primer sequence (5'-3')	Reverse primer sequence (5'-3')
SREBP1 c	CCATGGATGCACTTTCGAA	CCAGCATAGGGTGGGTCAA
ACC	TGATGTCAATCTCCCCGCAGC	TTGCTTCTTCTCTGTTTTCTCCCC
FAS	CGGTACGCGACGGCTGCCTG	GCTGCTCCACGAACTCAAACACC G
β -actin	CCTGGCACCCCAGCACAAT	GCCGATCCACACACGGAGTACT