

Supporting Information

Rec. Nat. Prod. X:X (202X) XX-XX

A New Sesquiterpene from The Fungus *Penicillium* sp.

LPFH-hzw-zw1

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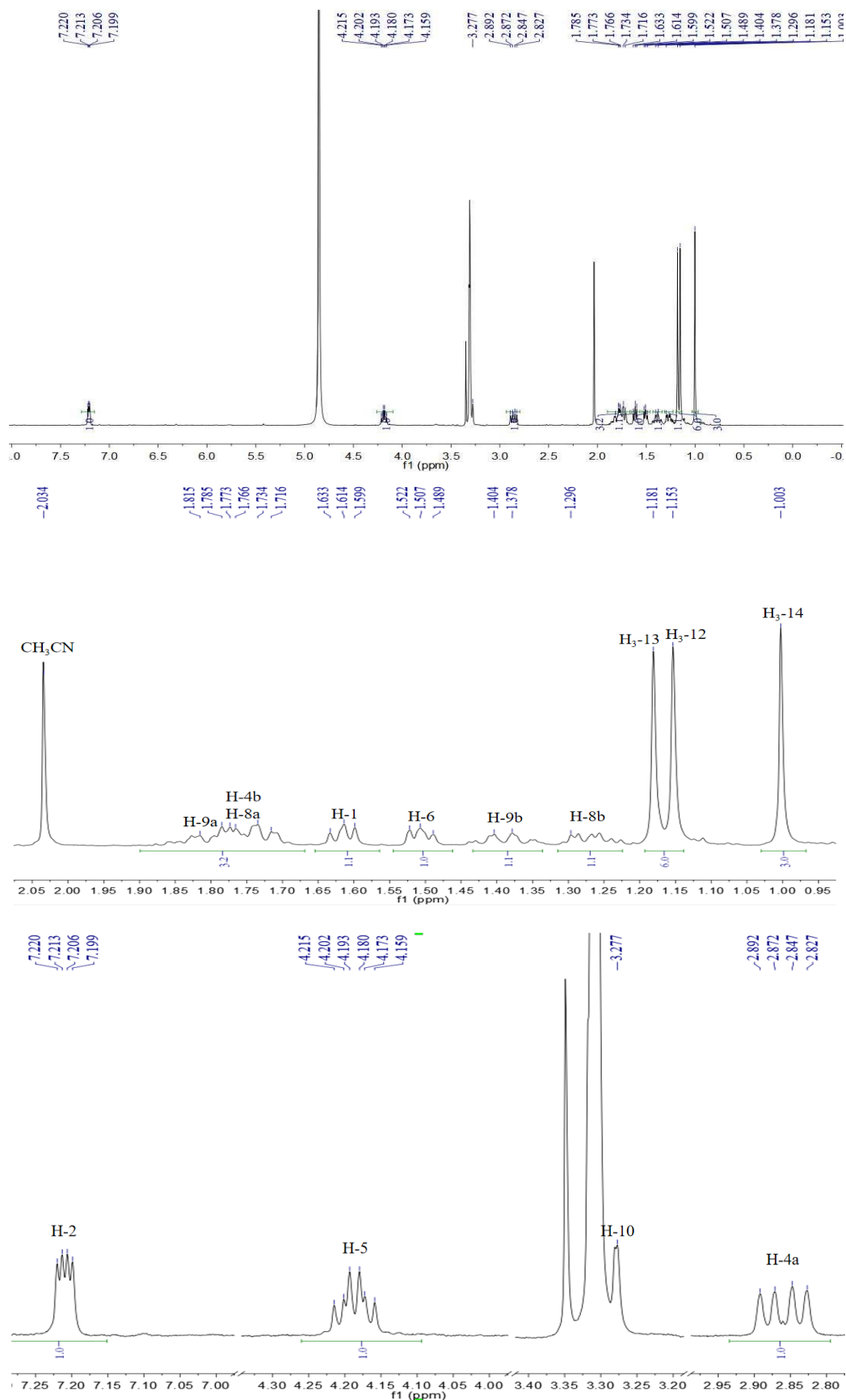
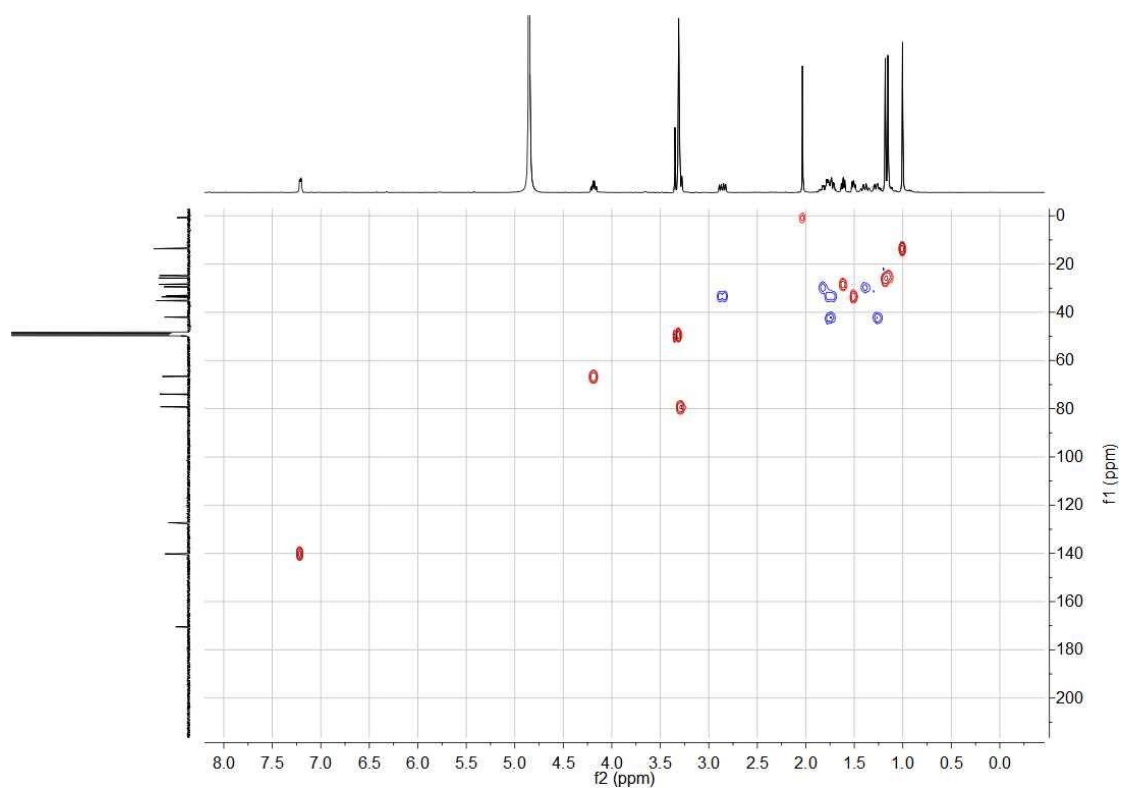
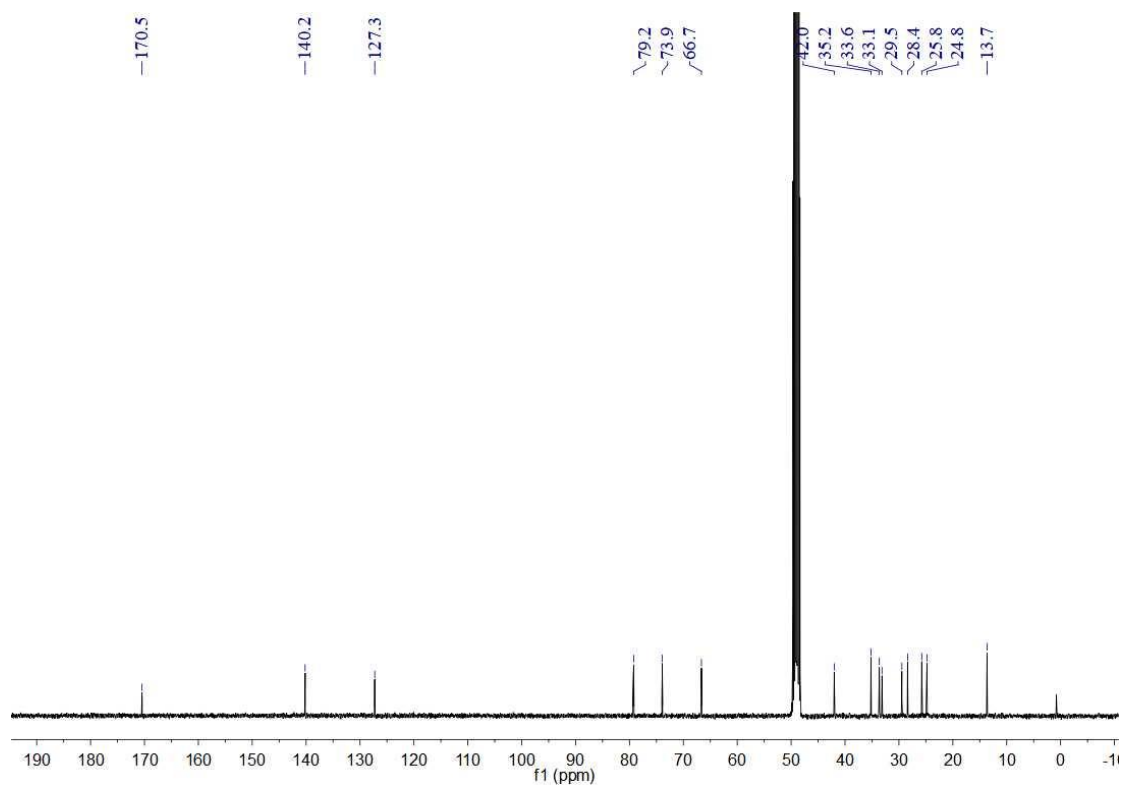


Figure S1: ^1H NMR Spectrum of compound **1** in Methanol- d_4 (400 MHz)



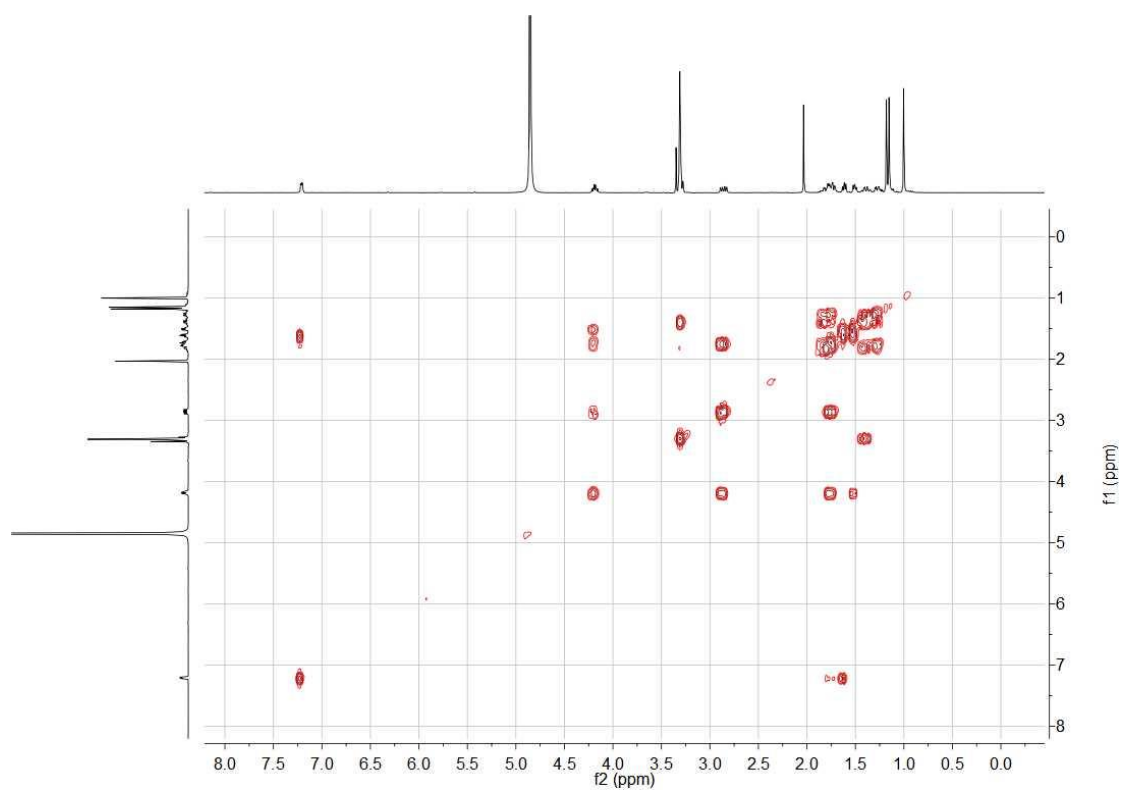


Figure S4: ^1H - ^1H COSY Spectrum of compound **1** in Methanol- d_4

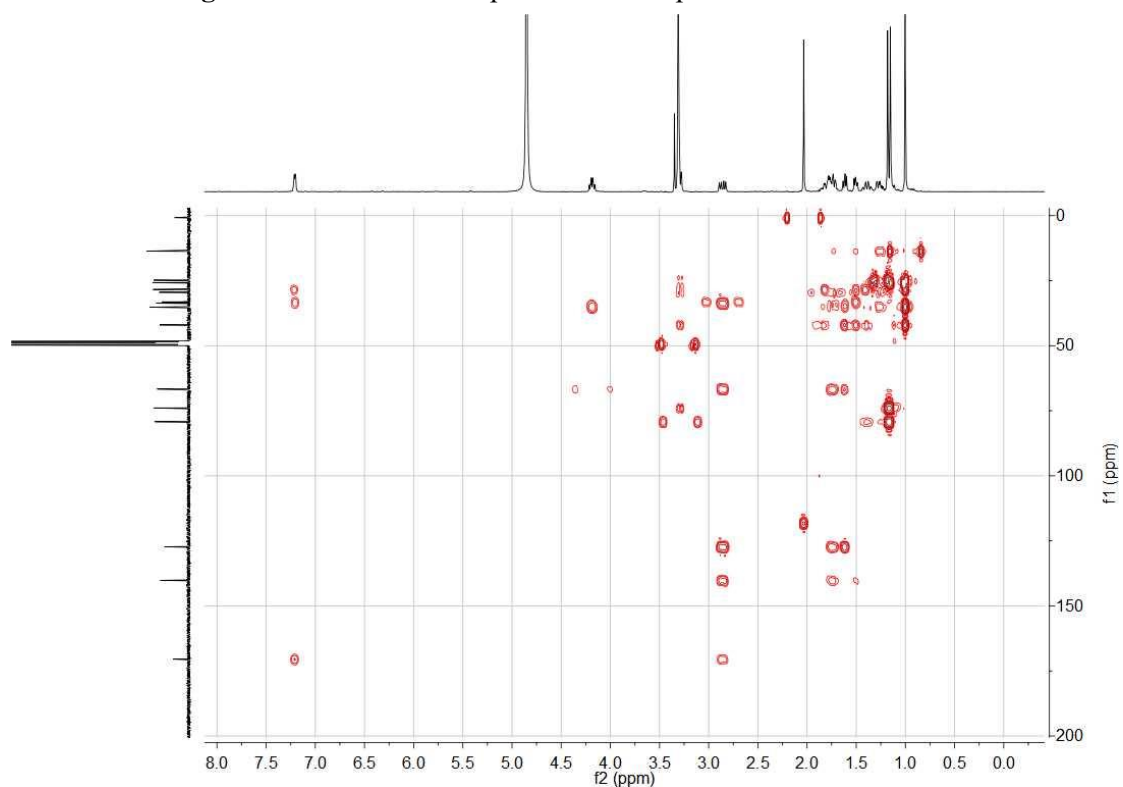


Figure S5: HMBC Spectrum of compound **1** in Methanol- d_4

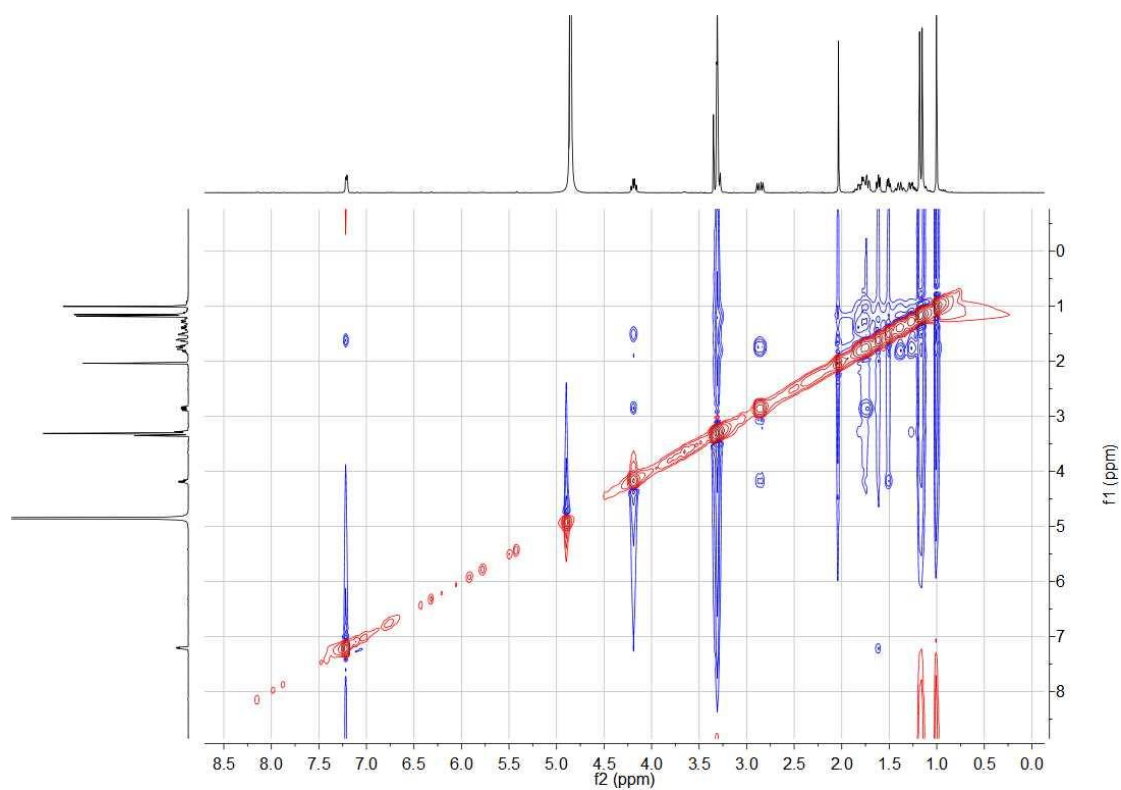


Figure S6: NOESY Spectrum of compound **1** in Methanol- d_4

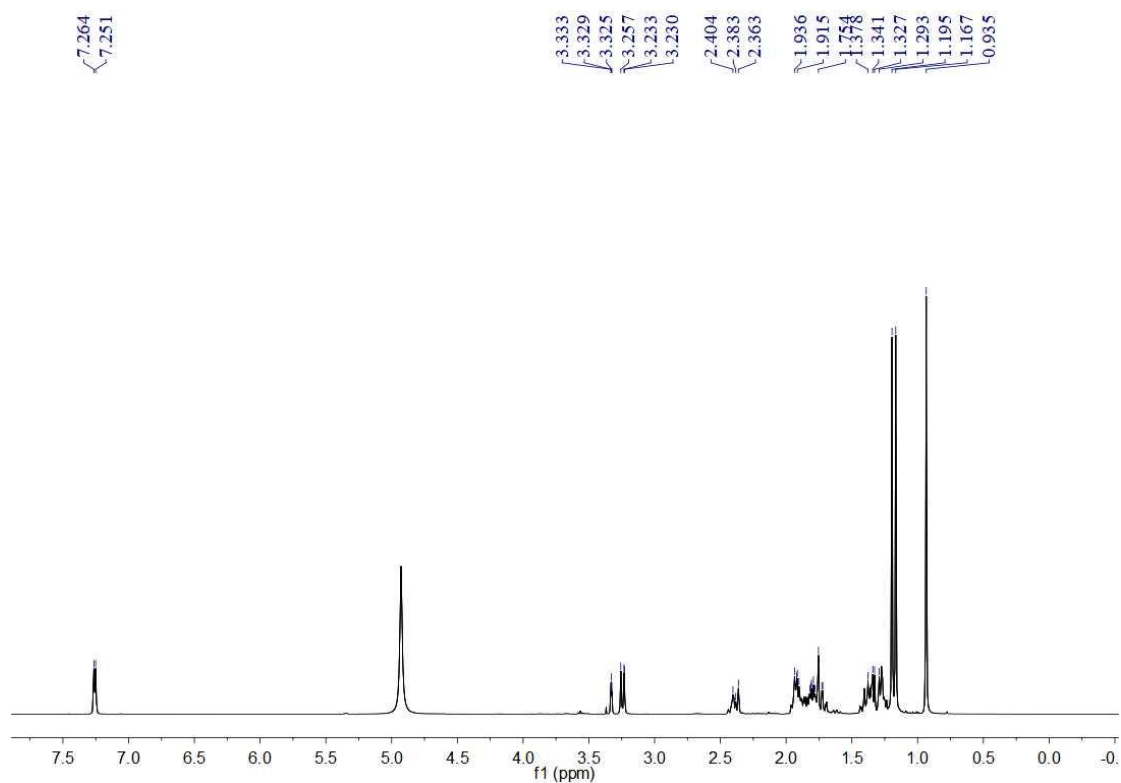


Figure S7: ^1H NMR Spectrum of compound **2** in Methanol- d_4 (400 MHz)

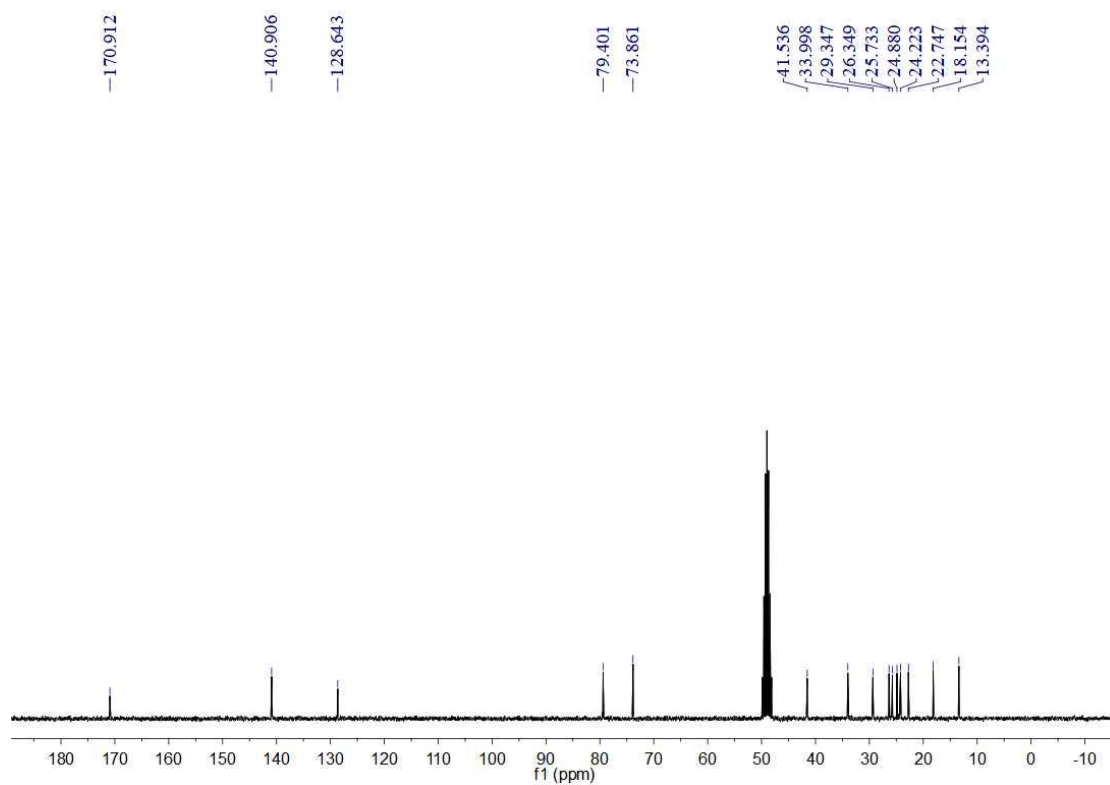


Figure S8: ^{13}C NMR Spectrum of compound **2** in Methanol- d_4 (100 MHz)

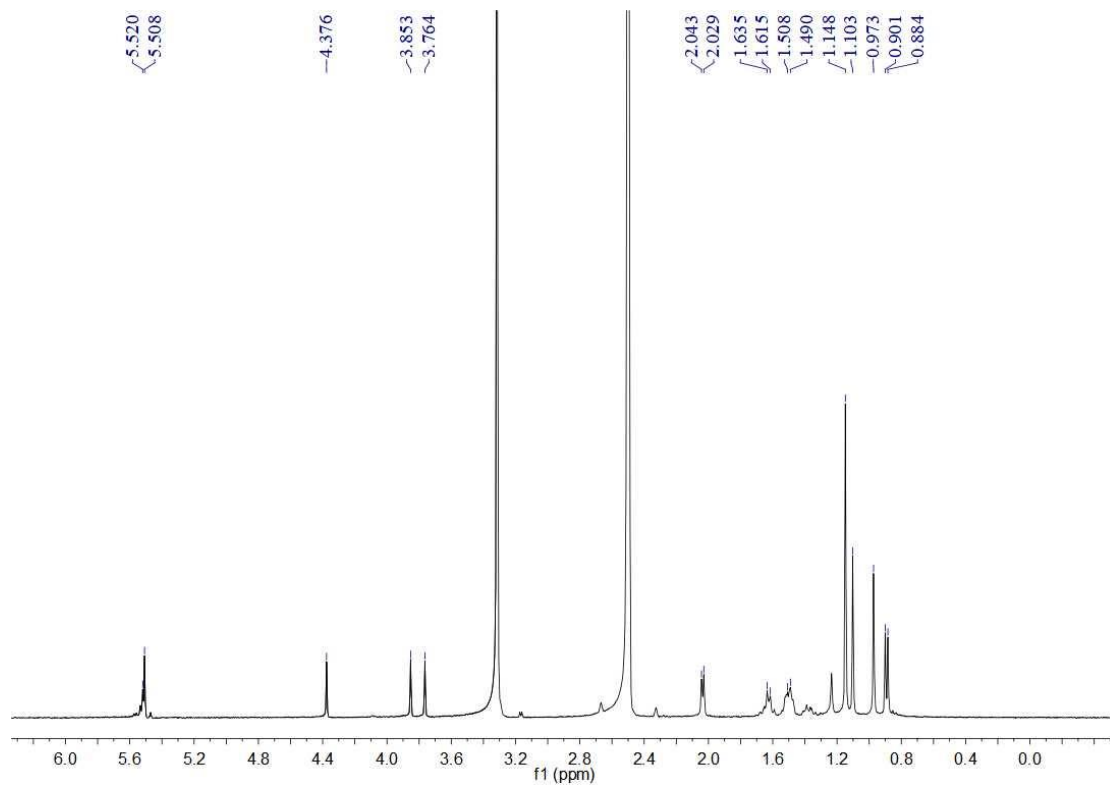


Figure S9: ^1H NMR Spectrum of compound **3** in DMSO- d_6 (400 MHz)

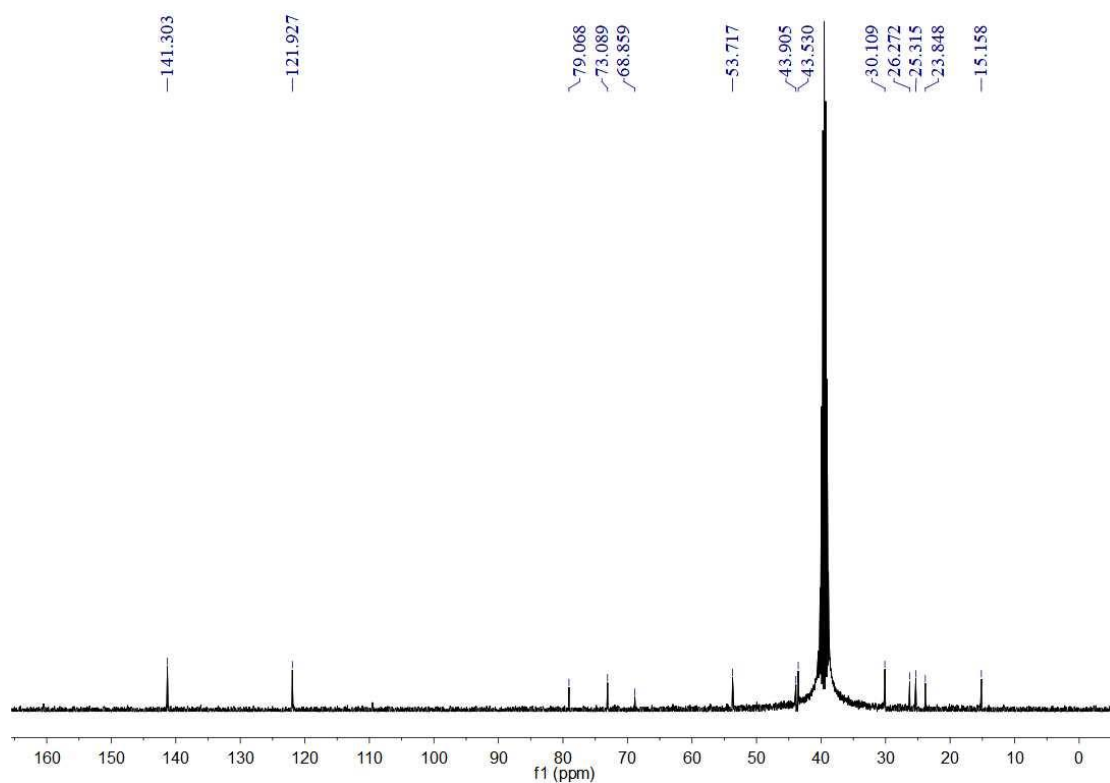


Figure S10: ^{13}C NMR Spectrum of compound **3** in $\text{DMSO-}d_6$ (100 MHz)

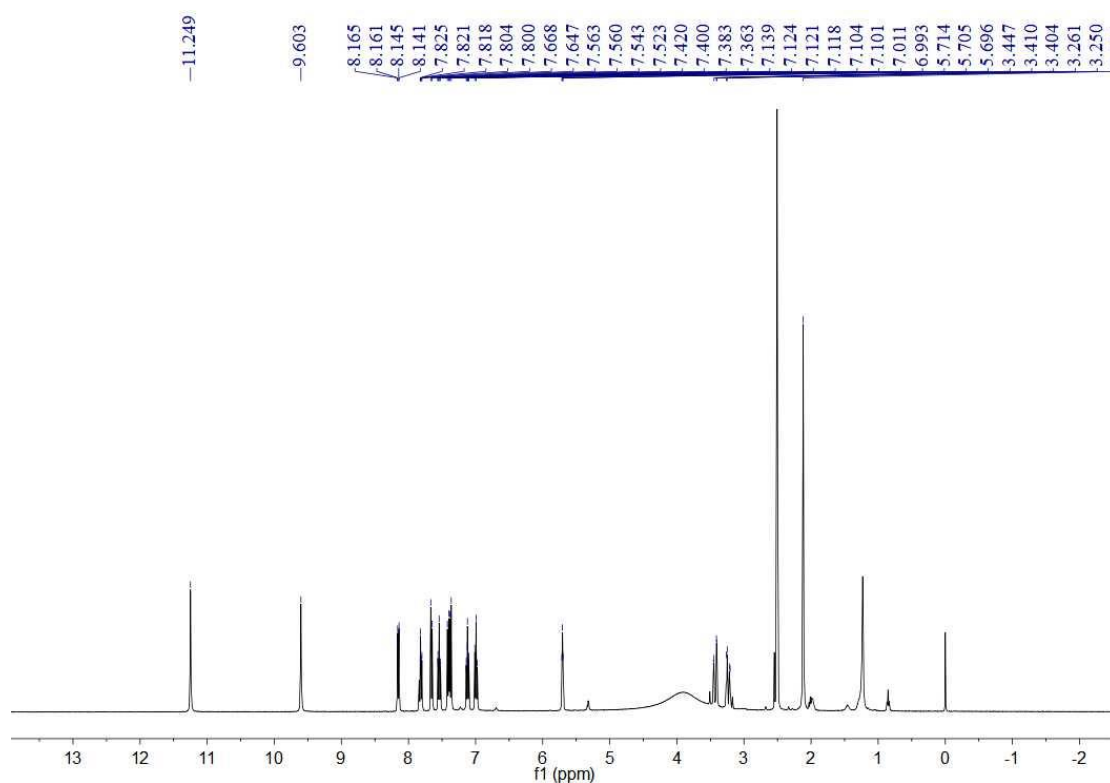


Figure S11: ^1H NMR Spectrum of compound **4** in $\text{DMSO-}d_6$ (400 MHz)

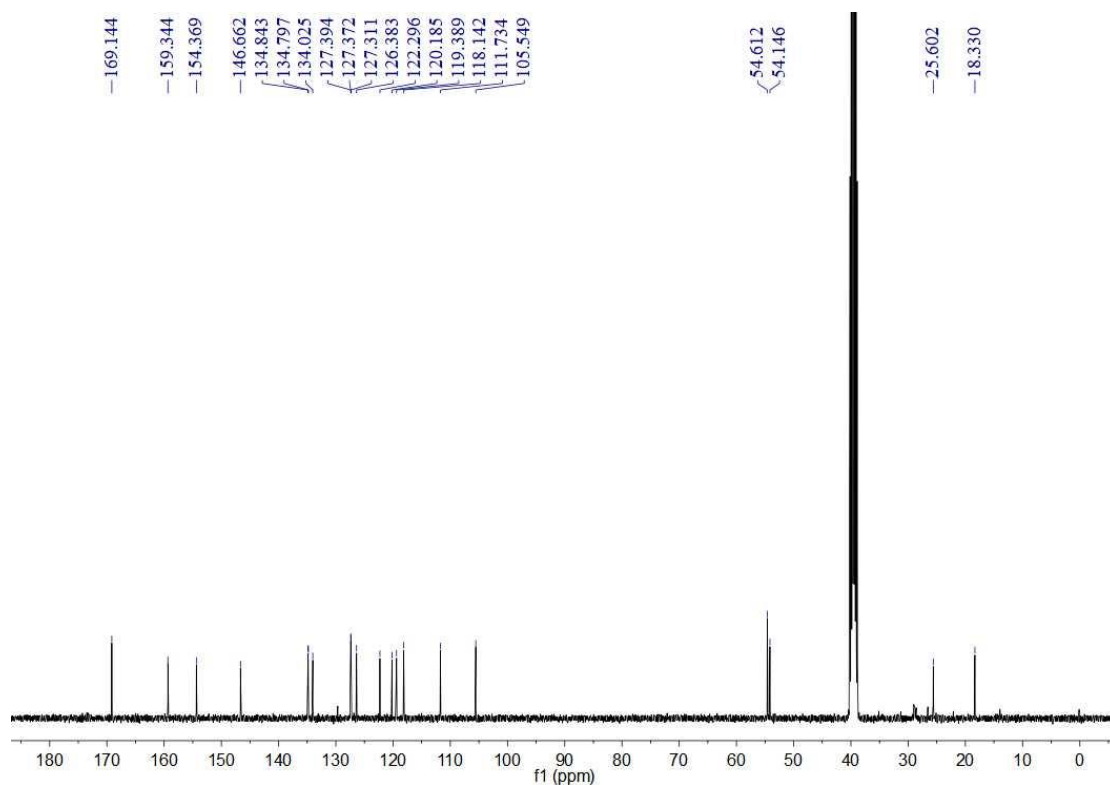


Figure S12: ^{13}C NMR Spectrum of compound **4** in $\text{DMSO-}d_6$ (100 MHz)

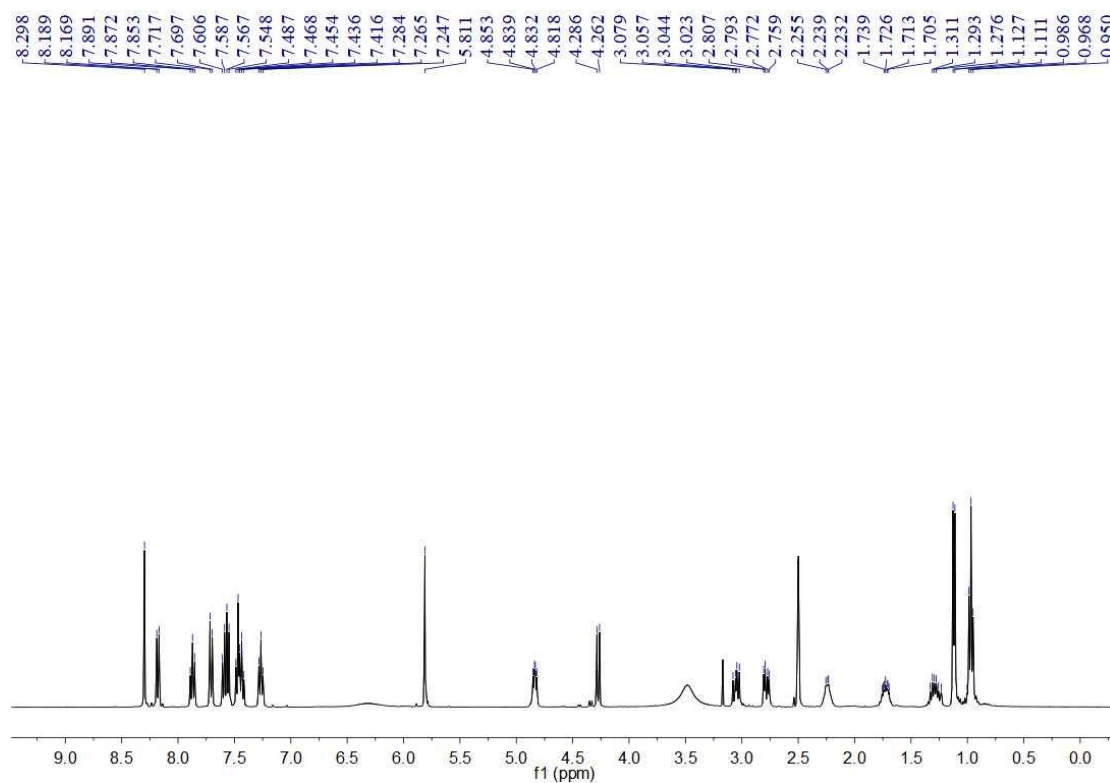


Figure S13: ^1H NMR Spectrum of compound **5** in $\text{DMSO-}d_6$ (400 MHz)

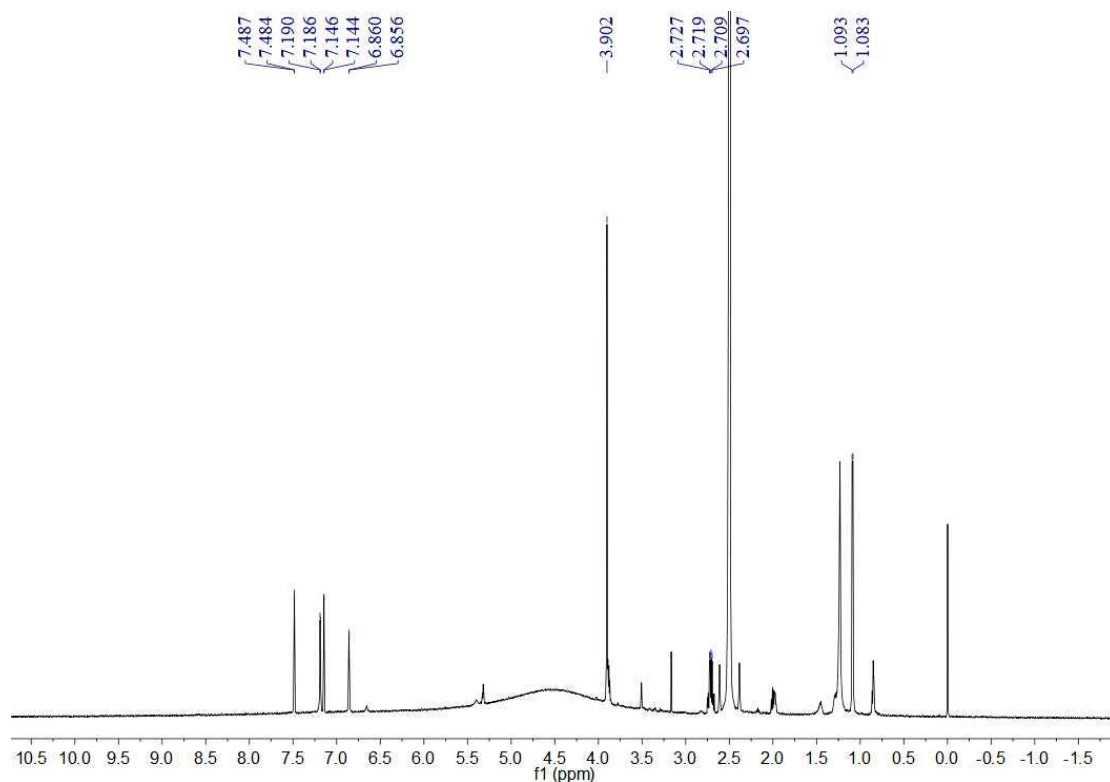


Figure S14: ^1H NMR Spectrum of compound **6** in $\text{DMSO-}d_6$ (400 MHz)

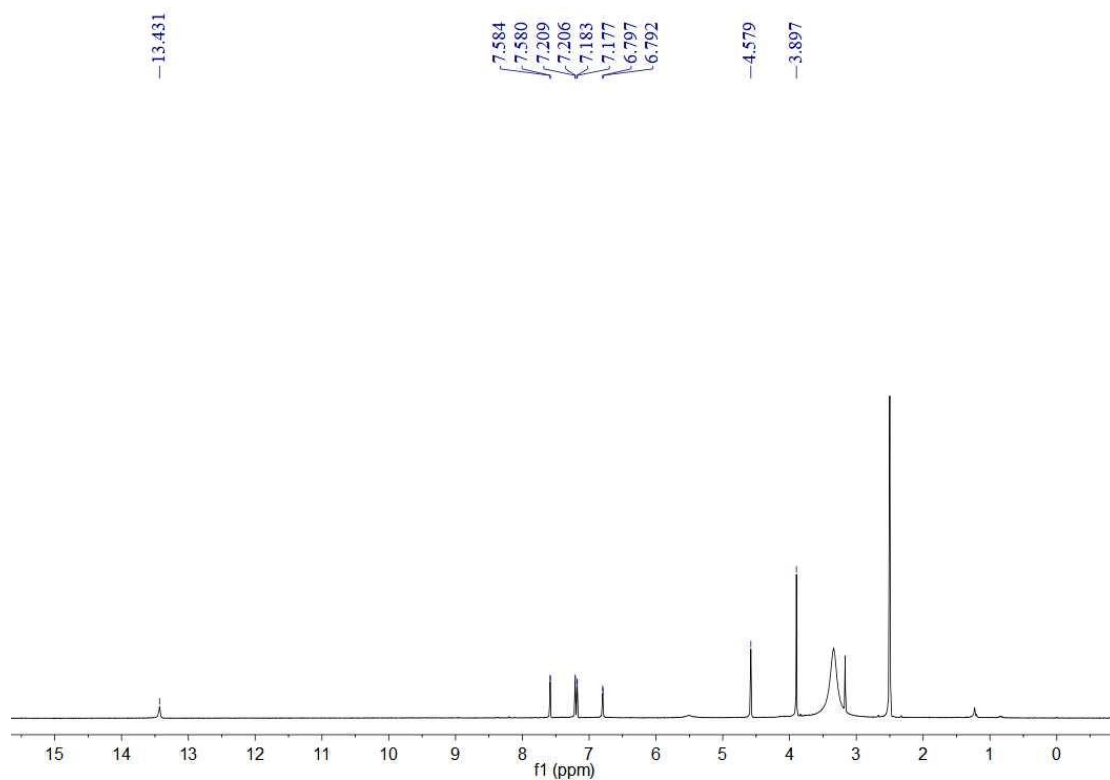


Figure S16: ^1H NMR Spectrum of compound **7** in $\text{DMSO-}d_6$ (400 MHz)

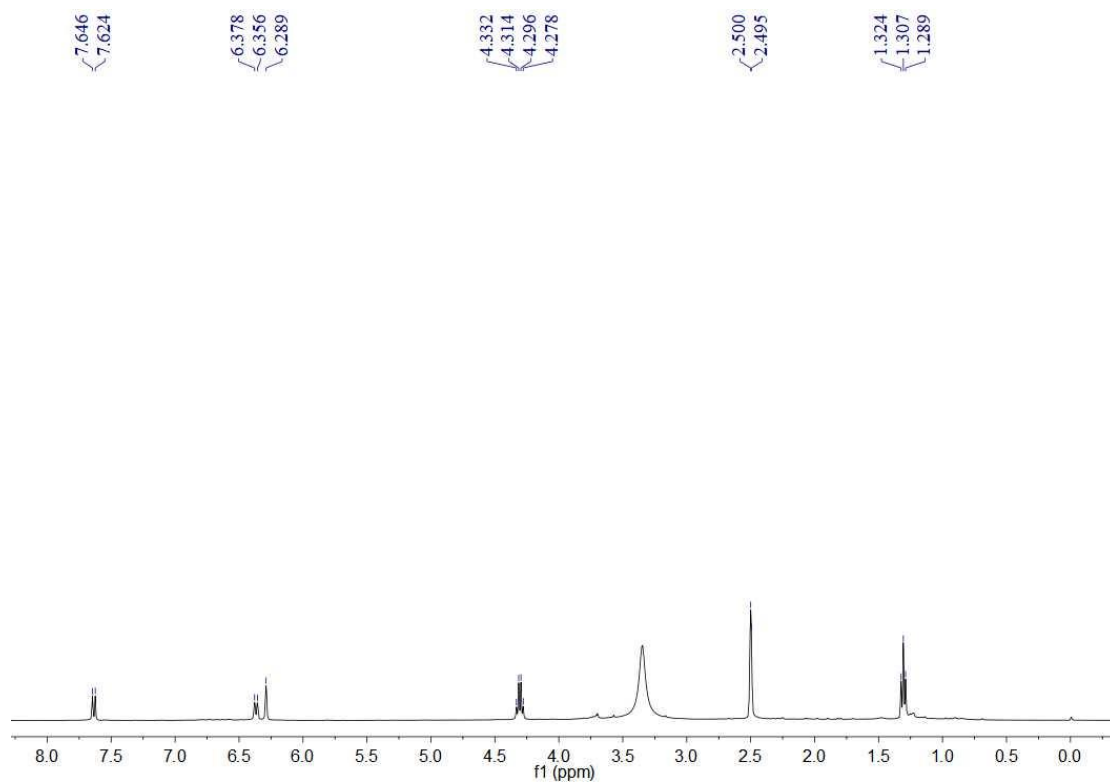


Figure S17: ^1H NMR Spectrum of compound **8** in $\text{DMSO-}d_6$ (400 MHz)

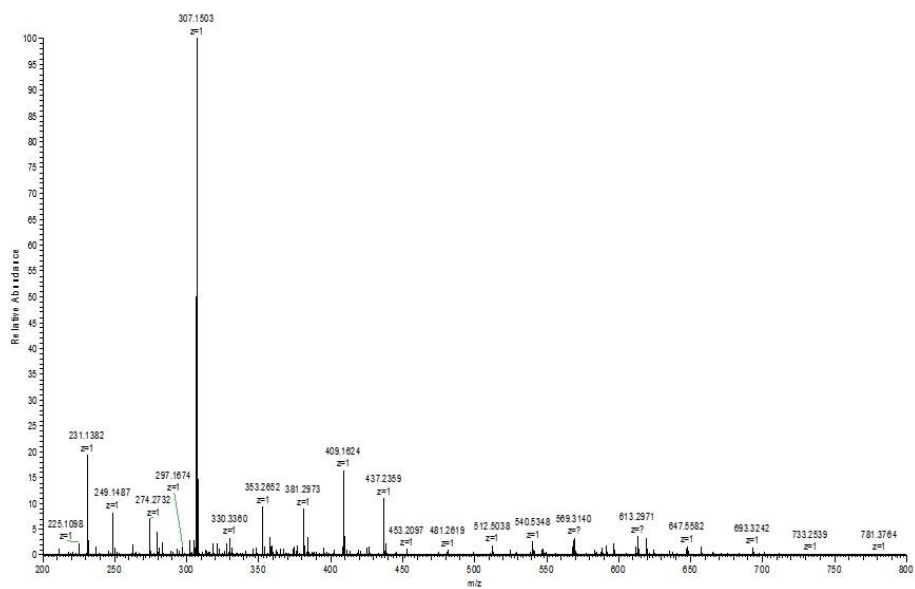
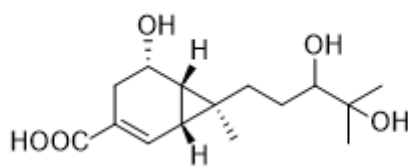


Figure S18: HRESIMS Spectrum of compound **1**



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1616079-73-2 ↶ ↷

Absolute stereochemistry shown, Rotation (+)

$C_{15}H_{24}O_4$
(1S,6R,7S)-7-[(3R)-3,4-Dihydroxy-4-methylpentyl]-7-methylbicyclo[4.1.0]hept-2-en...

5 References | 0 Reactions | 0 Suppliers

2 92 ●●●

1616079-72-1 ↶ ↷

Absolute stereochemistry shown, Rotation (-)

$C_{15}H_{24}O_4$
(1S,6R,7S)-7-[(3S)-3,4-Dihydroxy-4-methylpentyl]-7-methylbicyclo[4.1.0]hept-2-en...

1 Reference | 0 Reactions | 0 Suppliers

Figure S19: Scifinder report for compound 1.