Supplementary Materials

Characterization of a new trioxilin and a sulfoquinovosyl diacylglycerol with anti-inflammatory properties from the dinoflagellate *Oxyrrhis marina*

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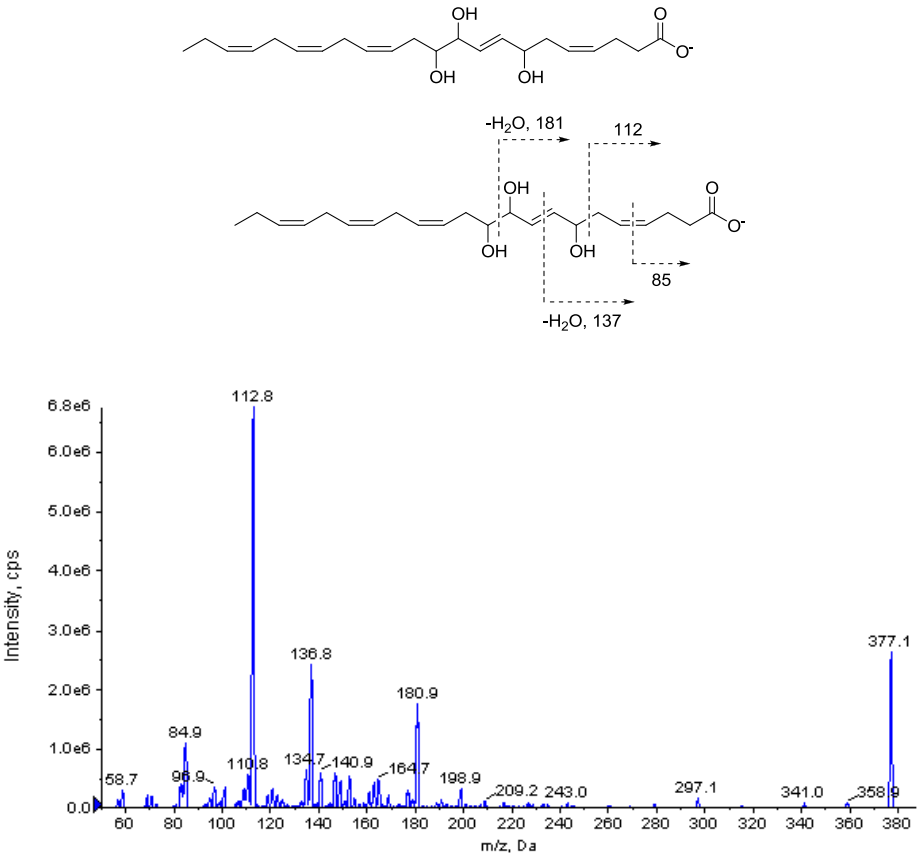
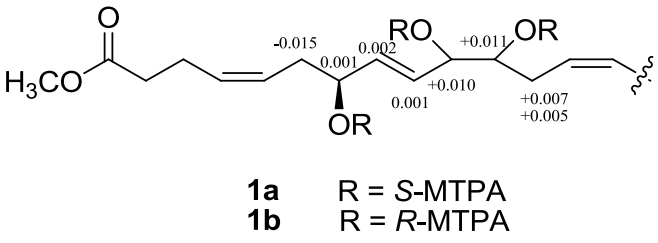


Figure S1. MS/MS fragmentation of compound **1**.



1a R = *S*-MTPA
1b R = *R*-MTPA

Figure S2. Differences in chemical shifts of key protons of *S*-MTPA ester (**1a**) and *R*-MTPA ester (**1b**).

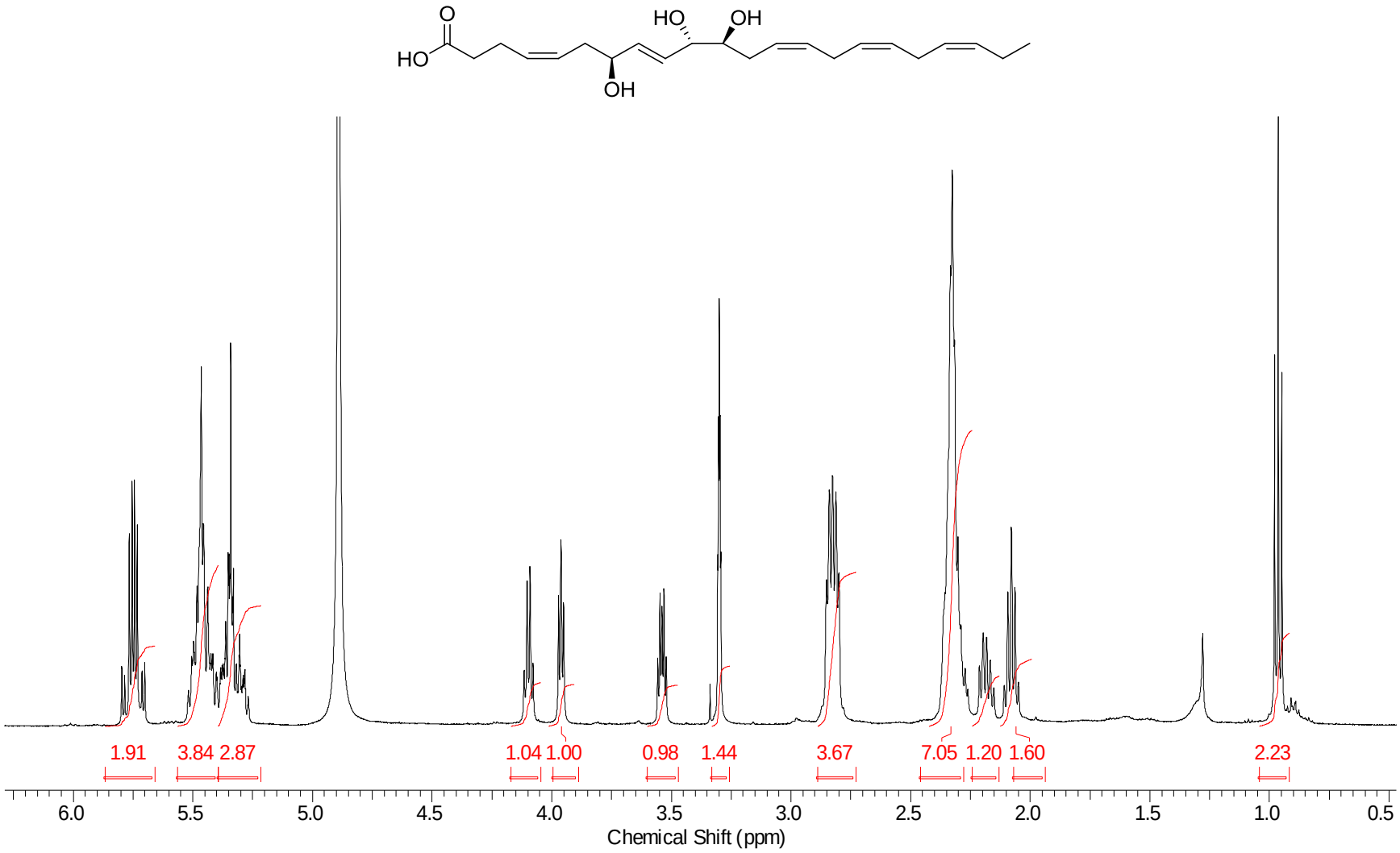


Figure S3. ^{1}H NMR spectrum of compound **1** at 500 MHz.

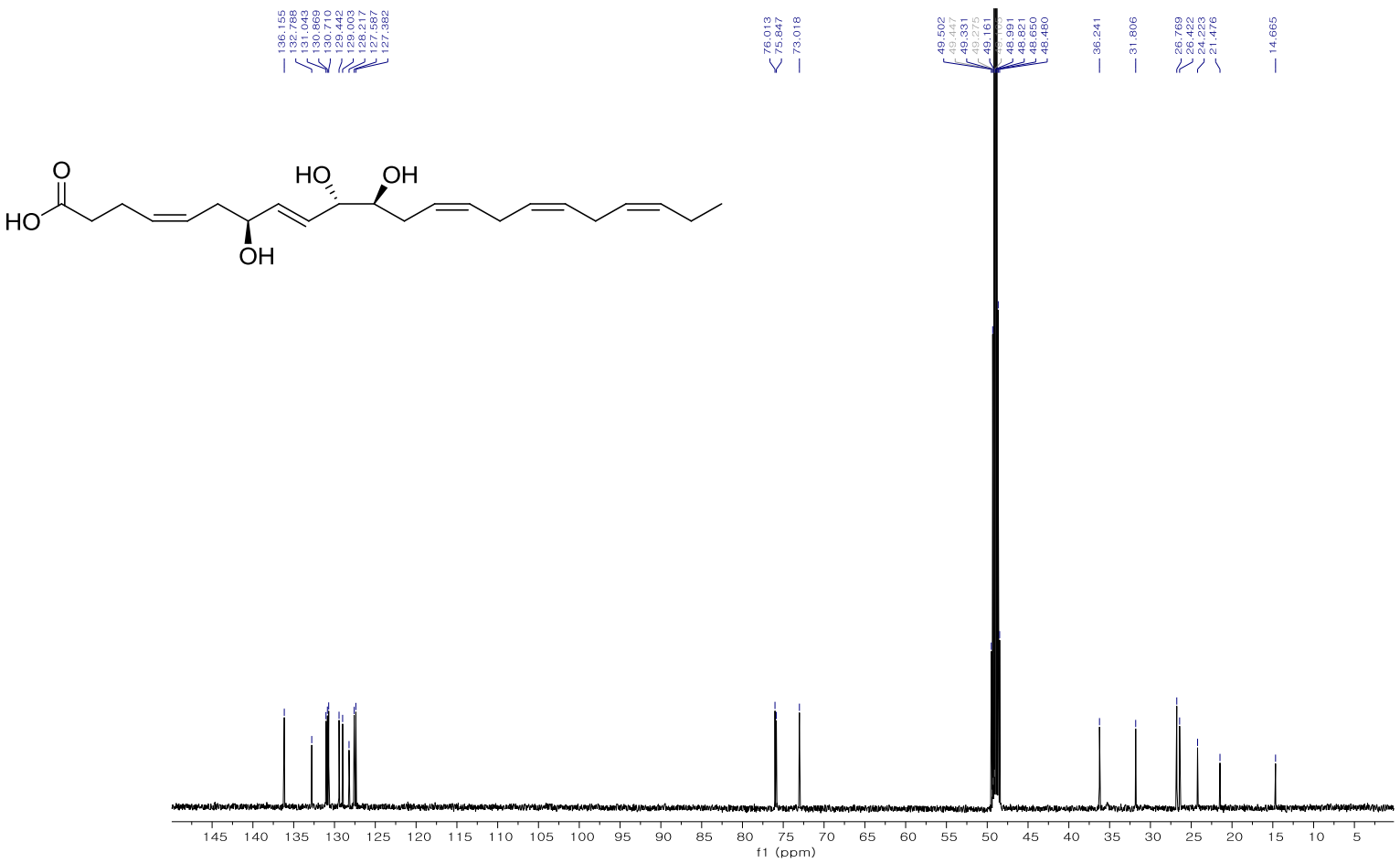


Figure S4. ^{13}C NMR spectrum of compound **1** at 125 MHz.

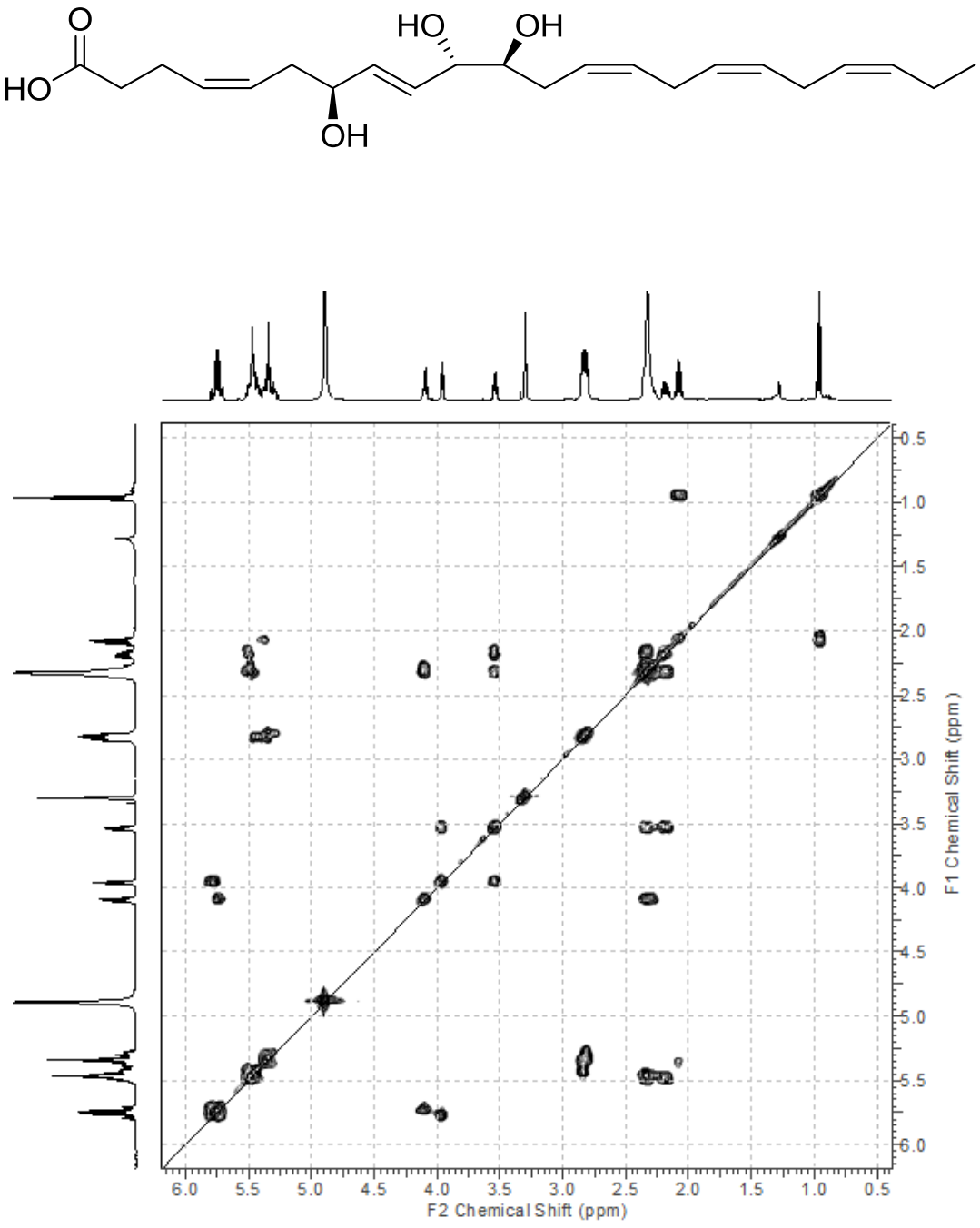


Figure S5. COSY NMR spectrum of compound **1** at 500 MHz.

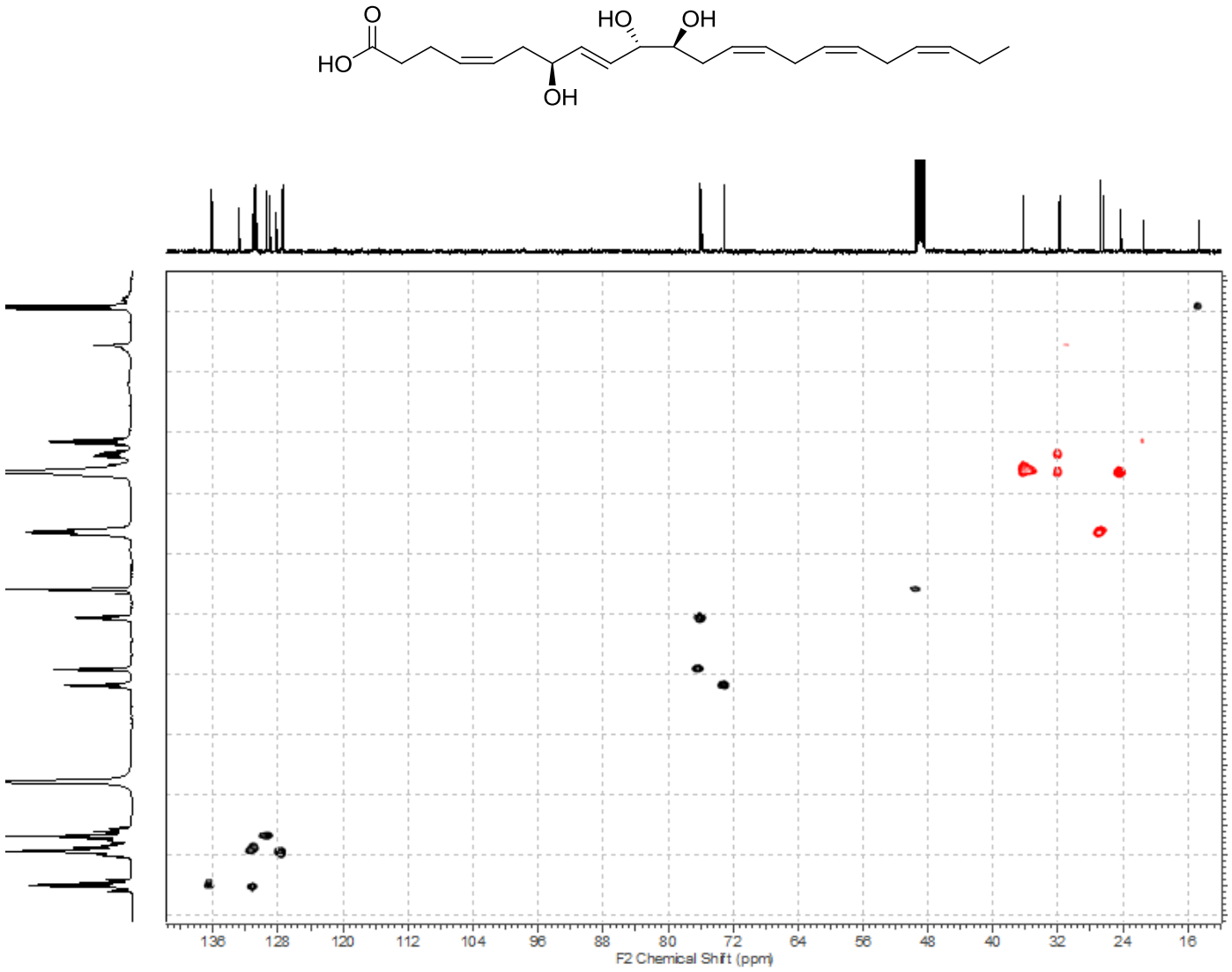


Figure S6. HSQC NMR spectrum of compound **1** at 500 MHz. (Black: CH, CH_3; Red: CH_2)

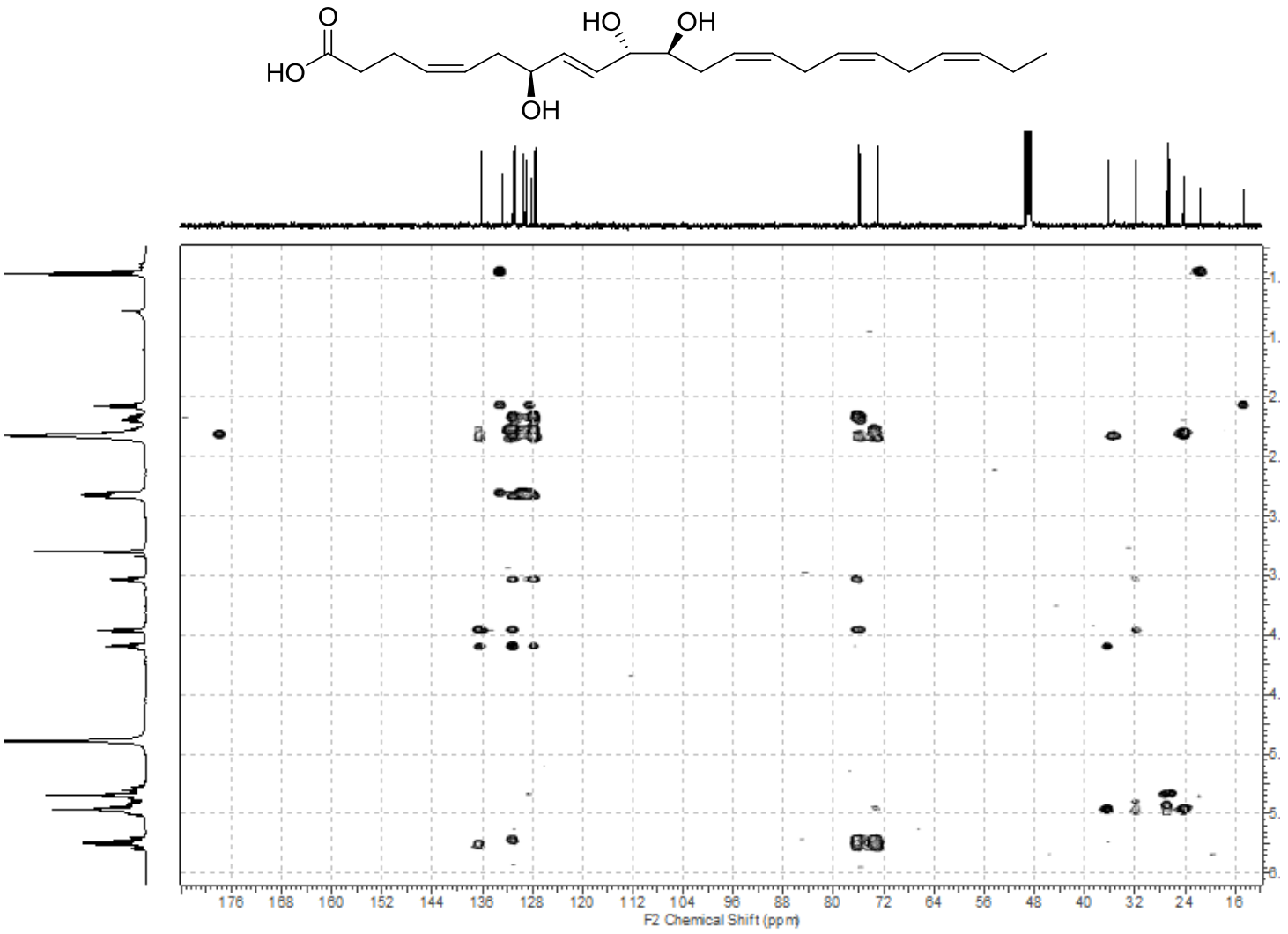
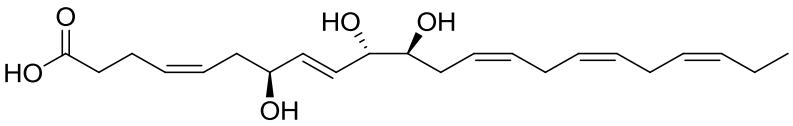
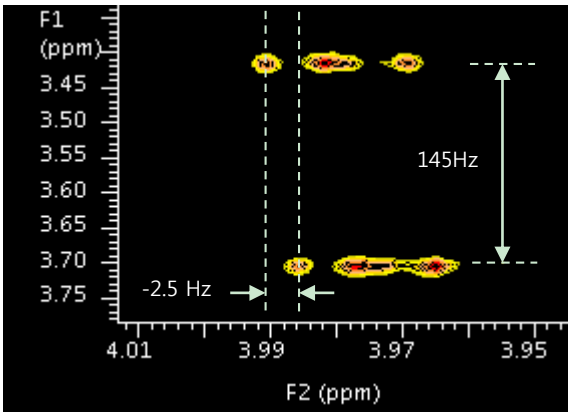
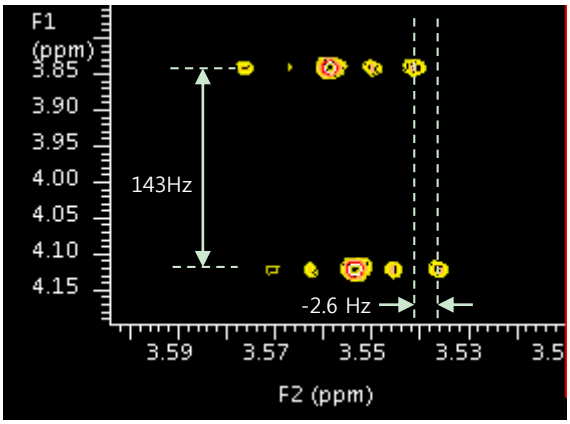


Figure S7. HMBC NMR spectrum of compound **1** at 500 MHz.

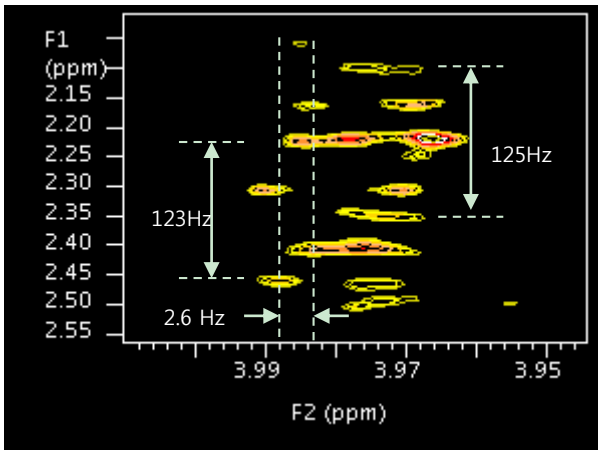




$^{2}J_{H_{10}C_{11}} = -2.5$ Hz



$^{2}J_{H_{11}C_{10}} = -2.6$ Hz



$^{3}J_{H_{10}C_{12}} = +2.6$ Hz

Figure S8. Key HETLOC NMR cross peaks of compound **1** at 500 MHz.

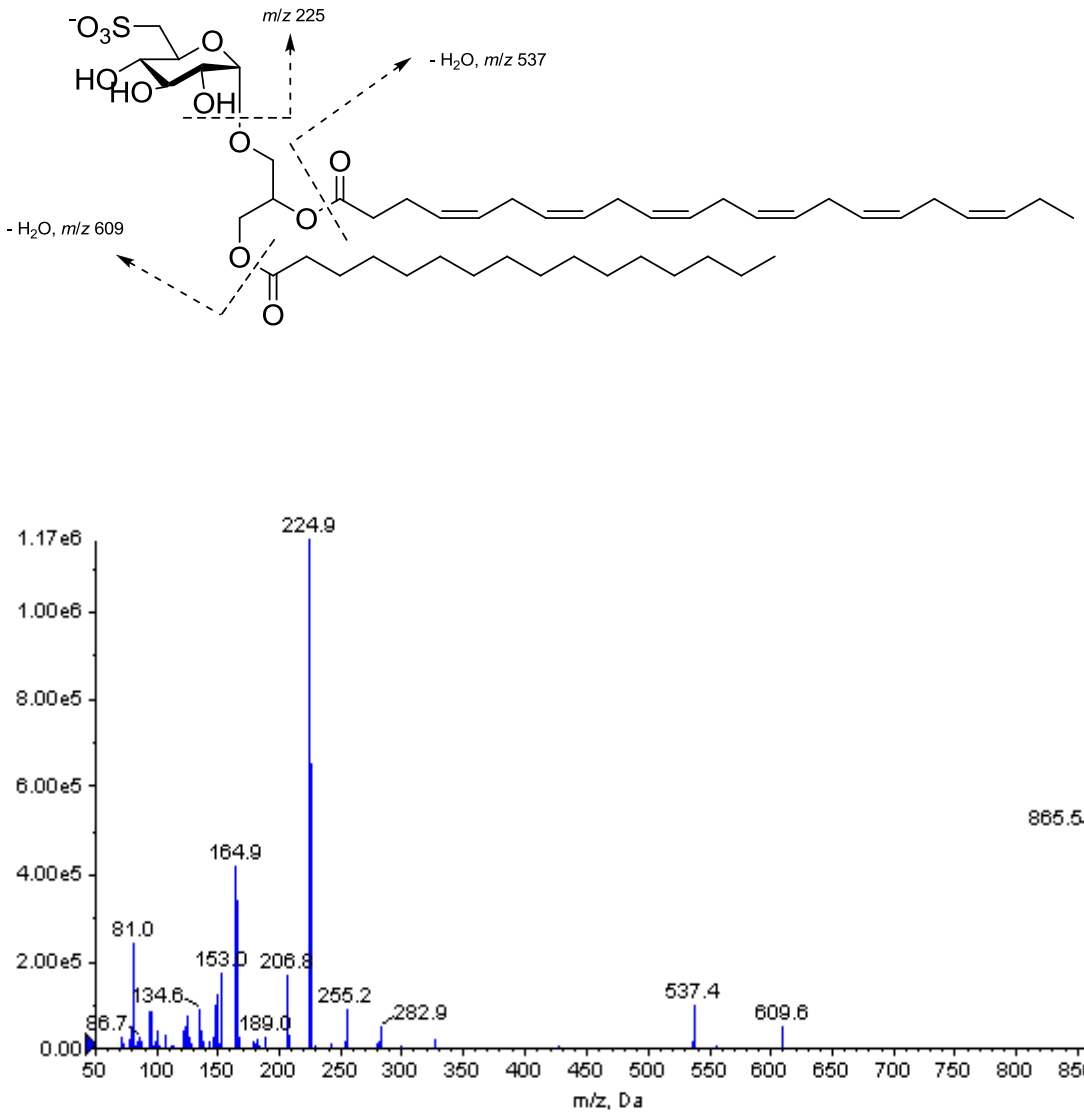


Figure S9. MS/MS fragmentation of compound **2**.

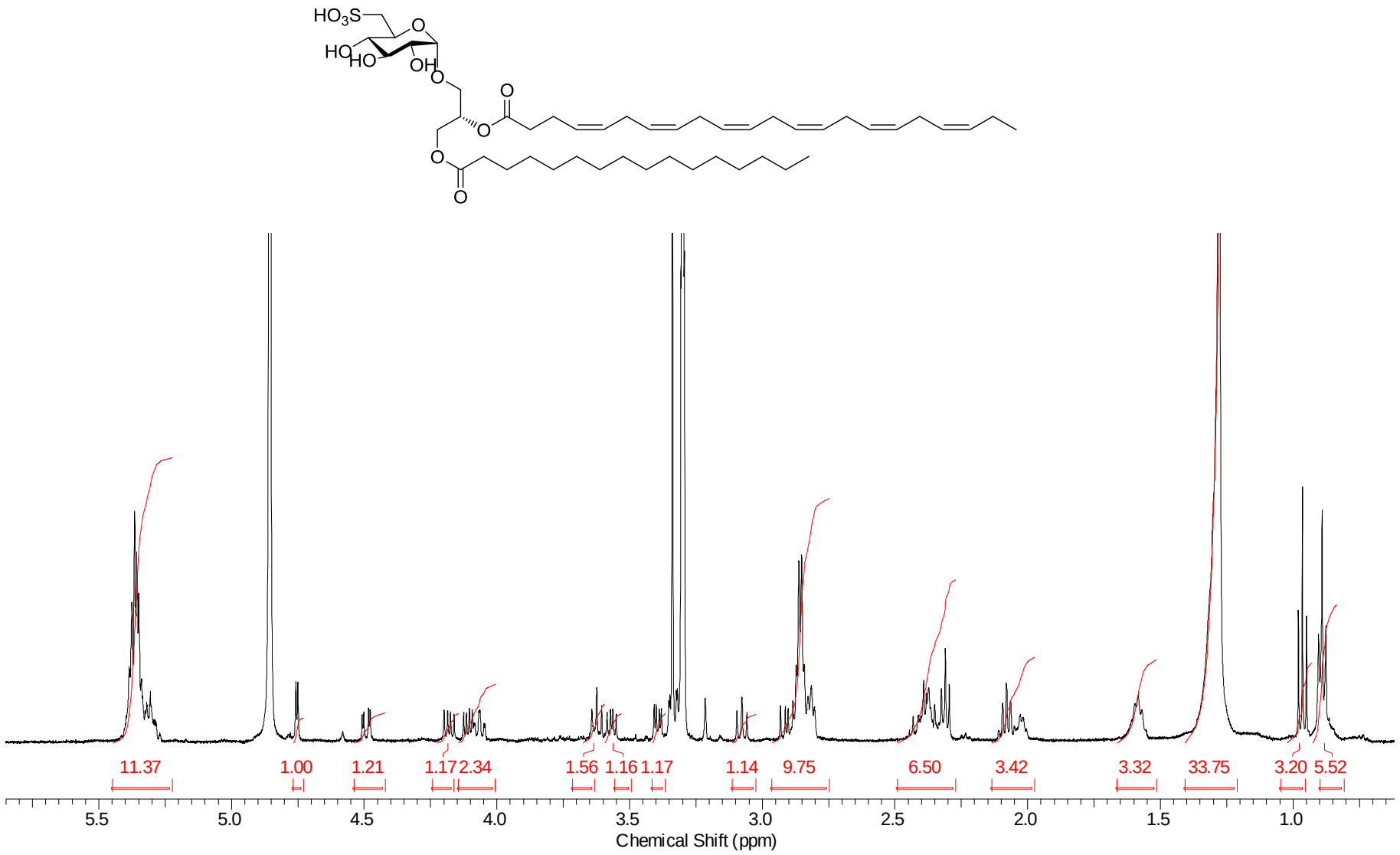


Figure S10. ^{1}H NMR spectrum of compound **2** at 500 MHz.

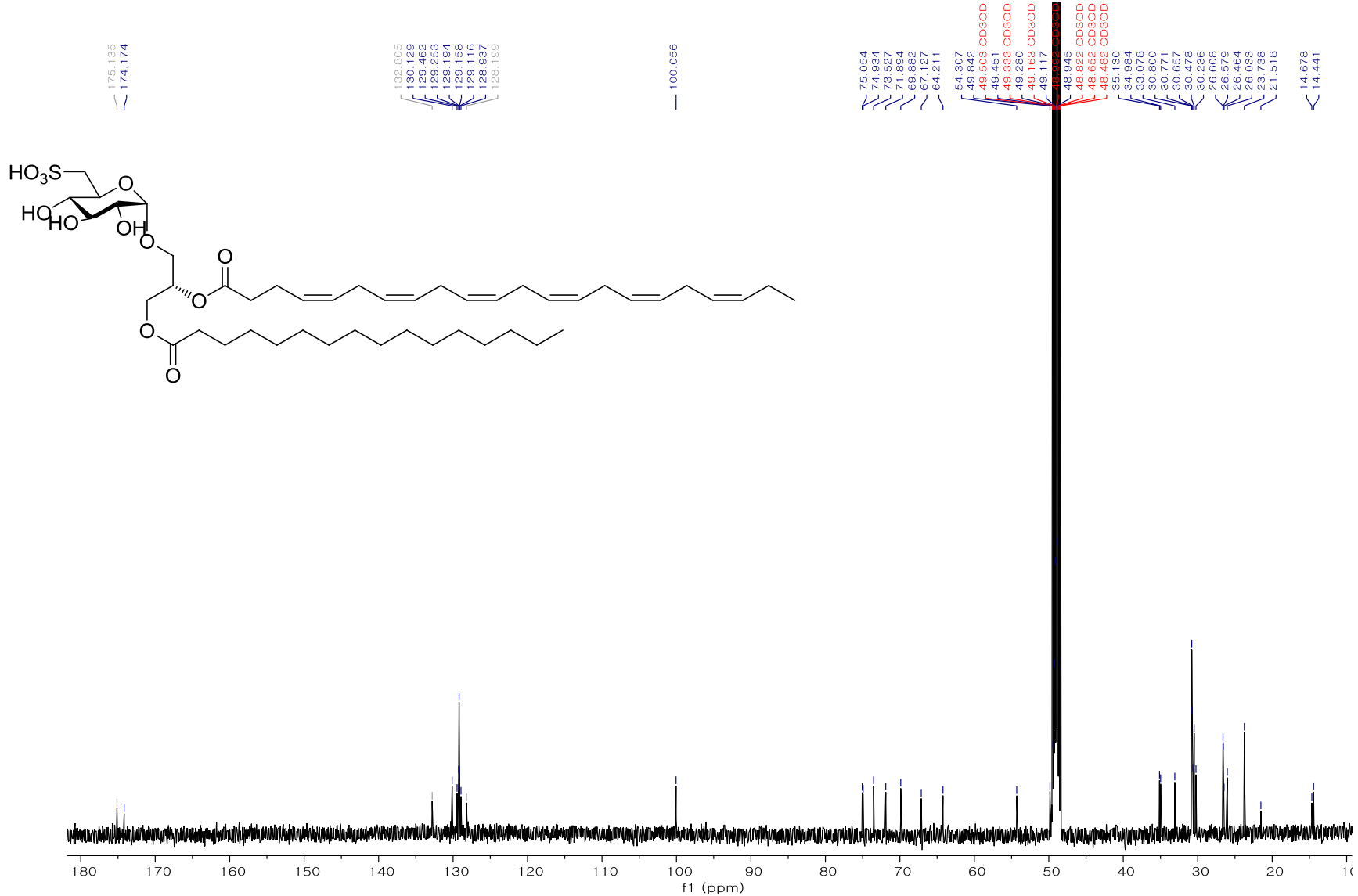


Figure S11. ^{13}C NMR spectrum of compound **2** at 125 MHz.

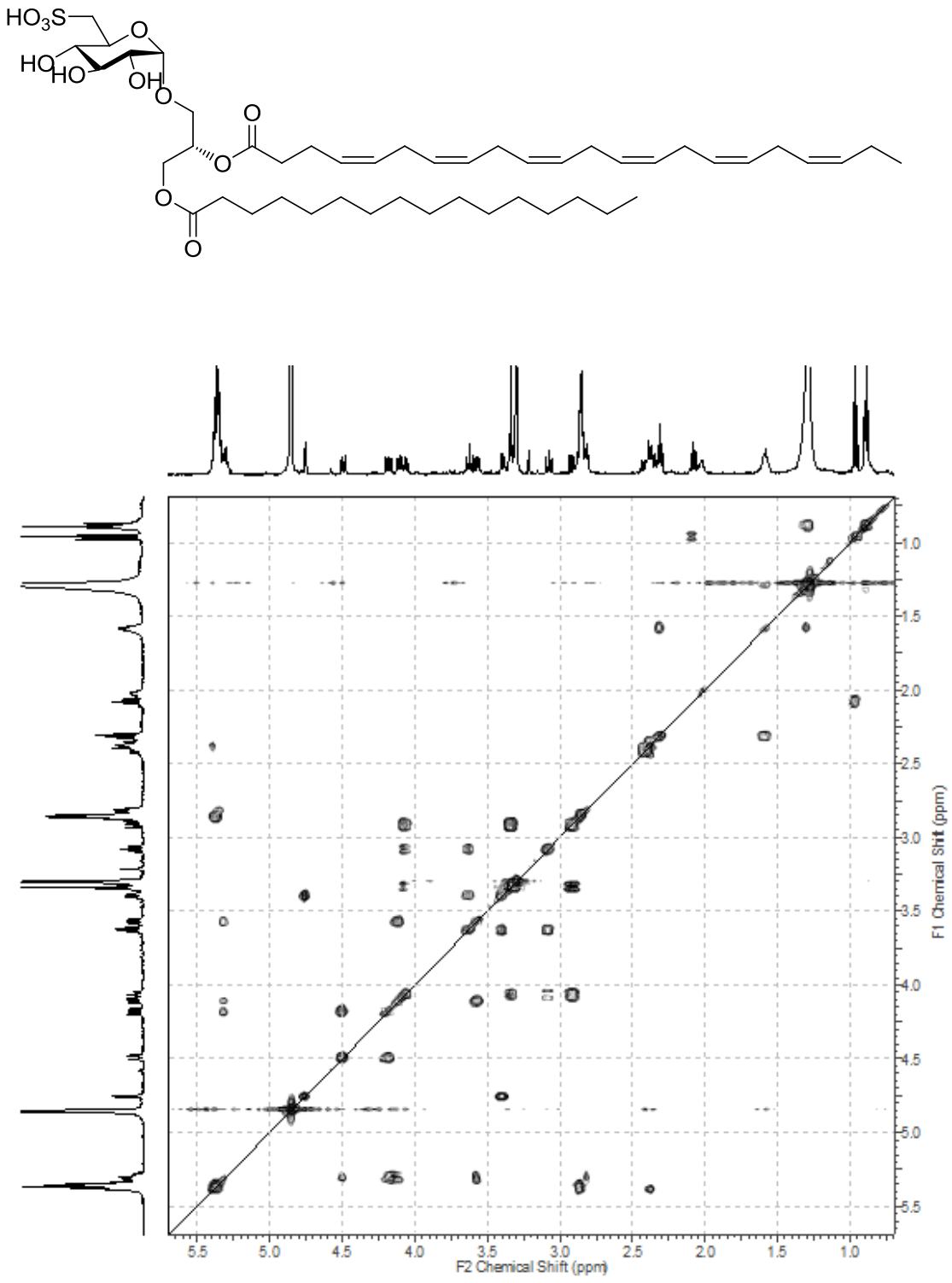


Figure S12. COSY NMR spectrum of compound **2** at 500 MHz.

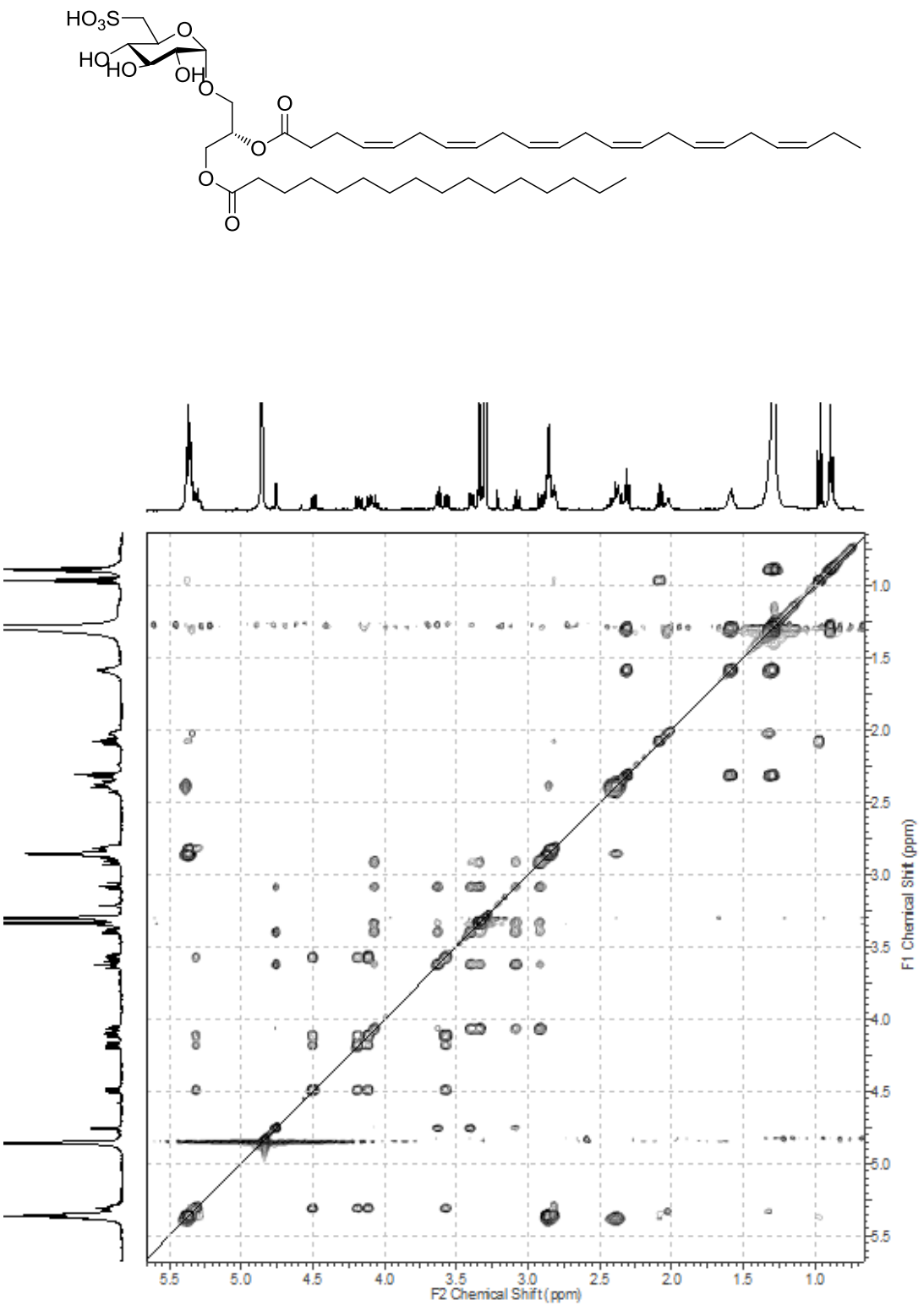


Figure S13. TOCSY NMR spectrum of compound **2** at 500 MHz.

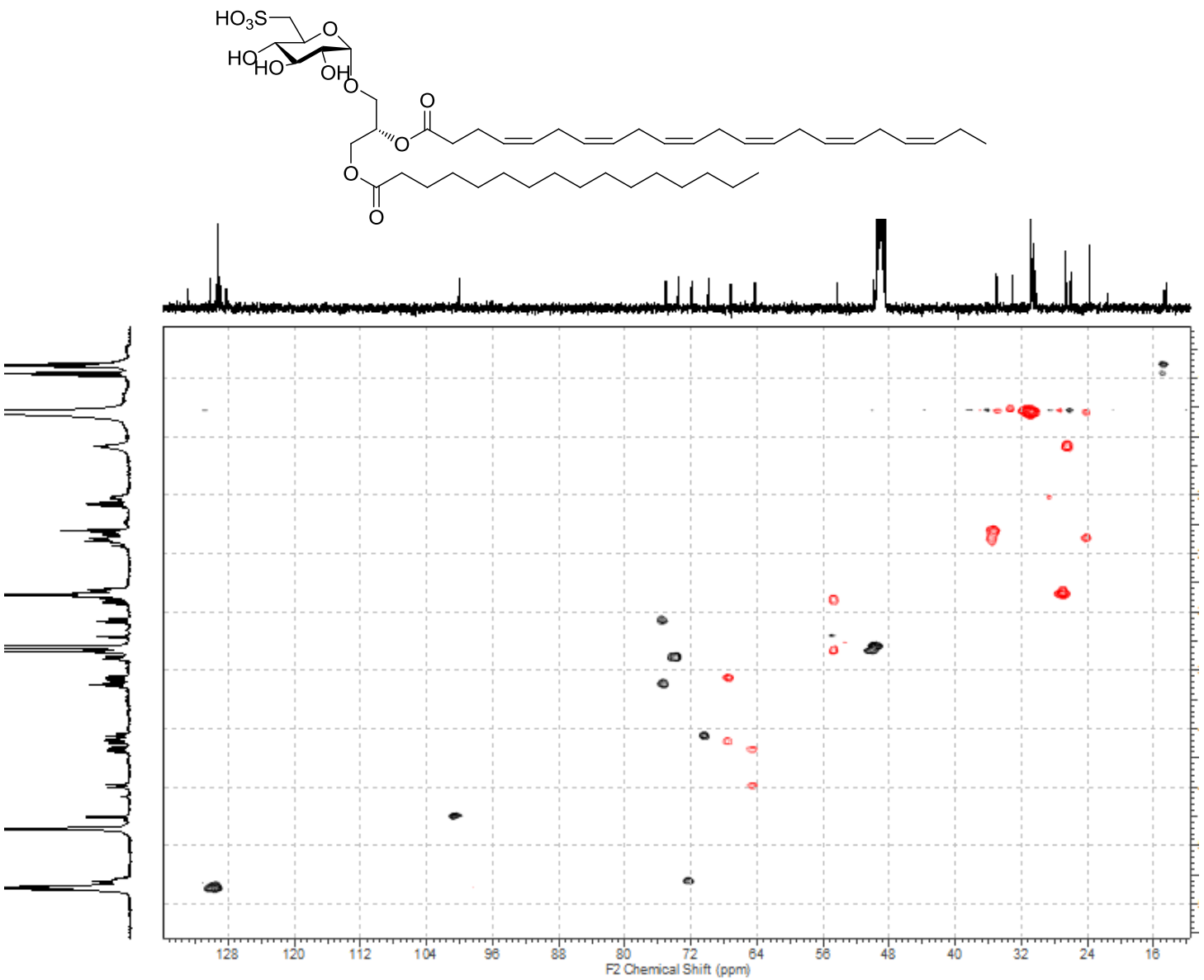


Figure S14. HSQC NMR spectrum of compound **2** at 500 MHz. (Black: CH, CH_3; Red: CH_2)

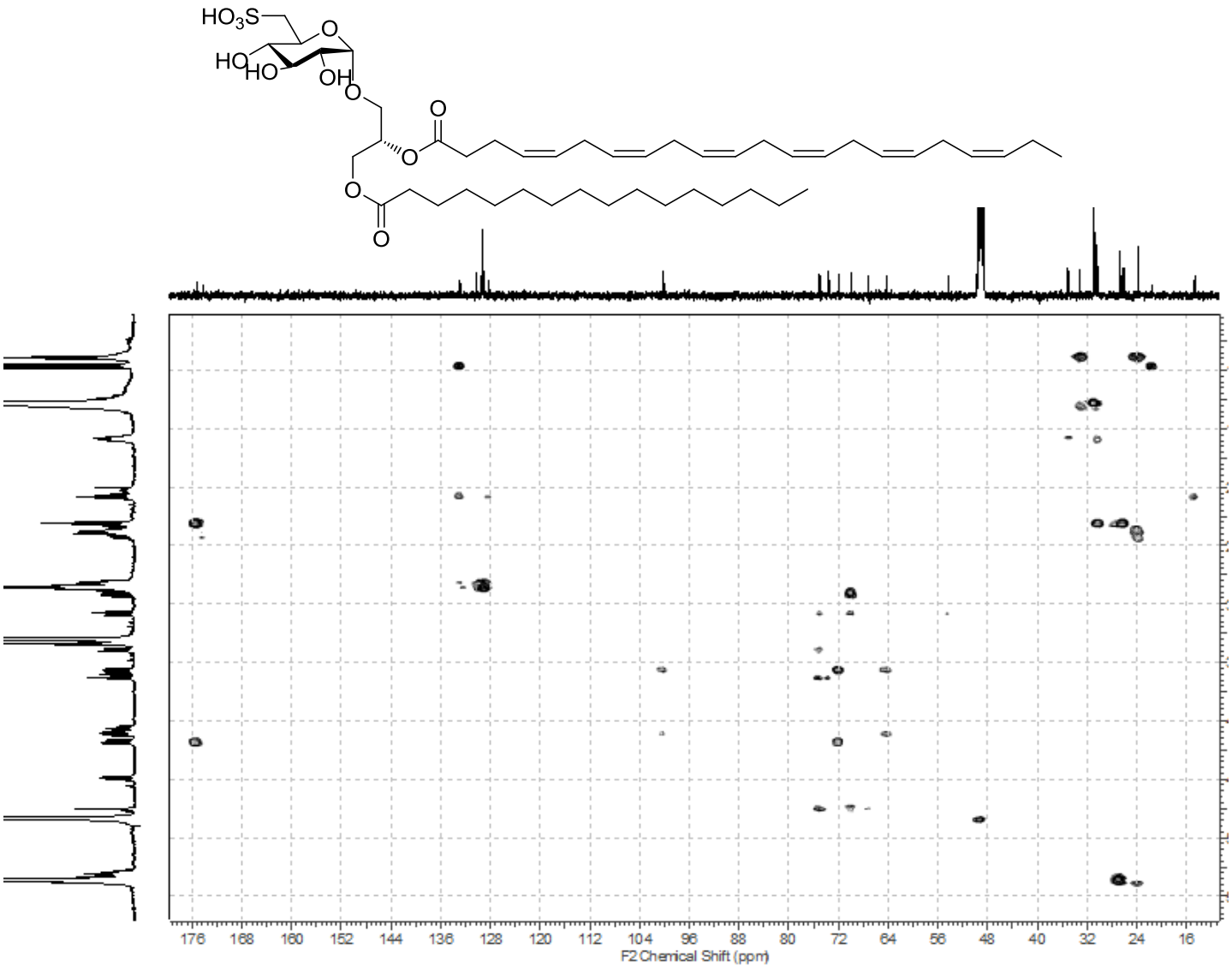


Figure S15. HMBC NMR spectrum of compound **2** at 500 MHz.

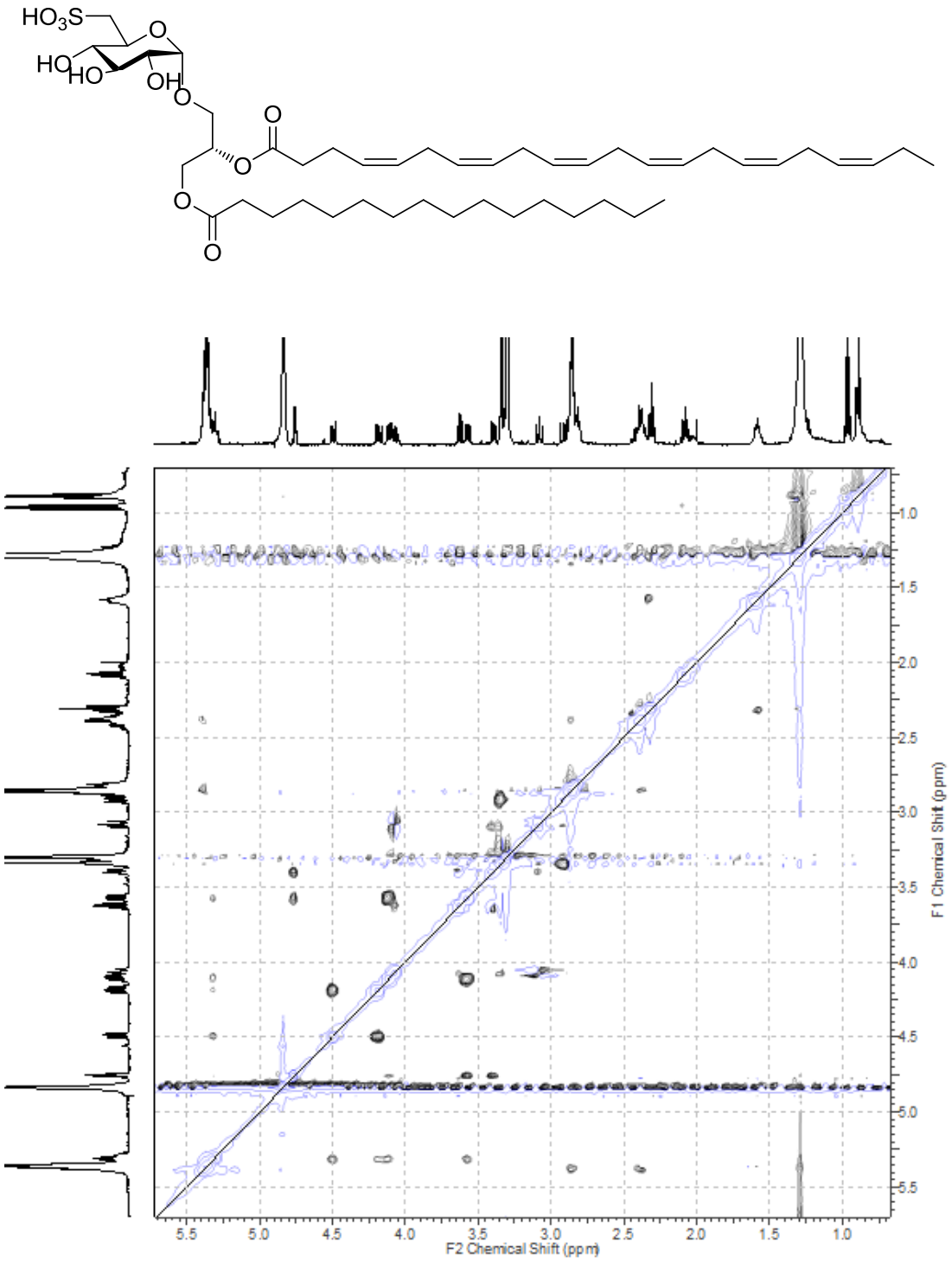


Figure S16. ROESY NMR spectrum of compound **2** at 500 MHz.