

Supplemental Information for:

Crannenols A-D, Sesquiterpenoids from the Irish Deep-Sea Soft Coral *Acanella arbuscula*

Joshua T. Welsch,[†] Ryan M. Young,[‡] A. Louise Allcock,[‡] Mark P. Johnson,[‡] Bill J. Baker[†]

[†]Department of Chemistry, University of South Florida, Tampa, FL, USA.

[‡]School of Natural Sciences and Ryan Institute, University of Galway, University Road, Galway,

H91 TK33, Ireland

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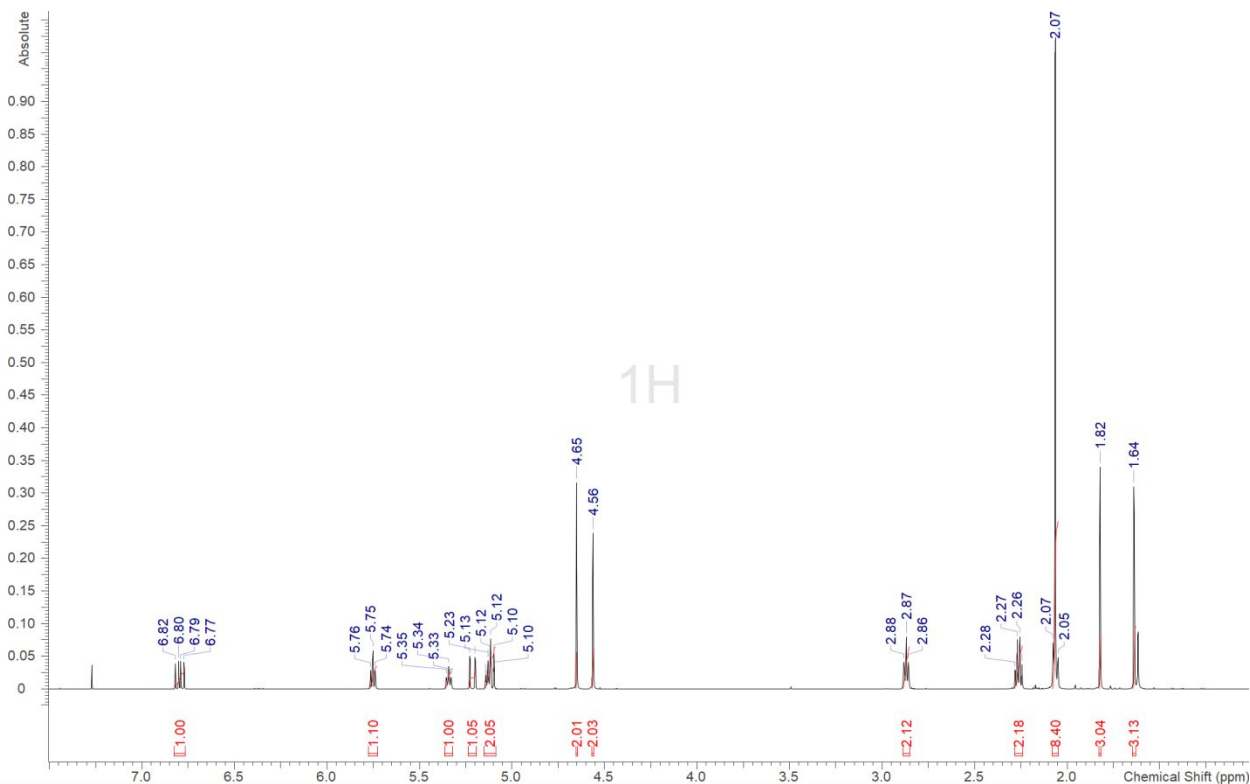


Figure S1: Crannenol A (1) ¹H NMR spectrum (600 MHz, CDCl₃).

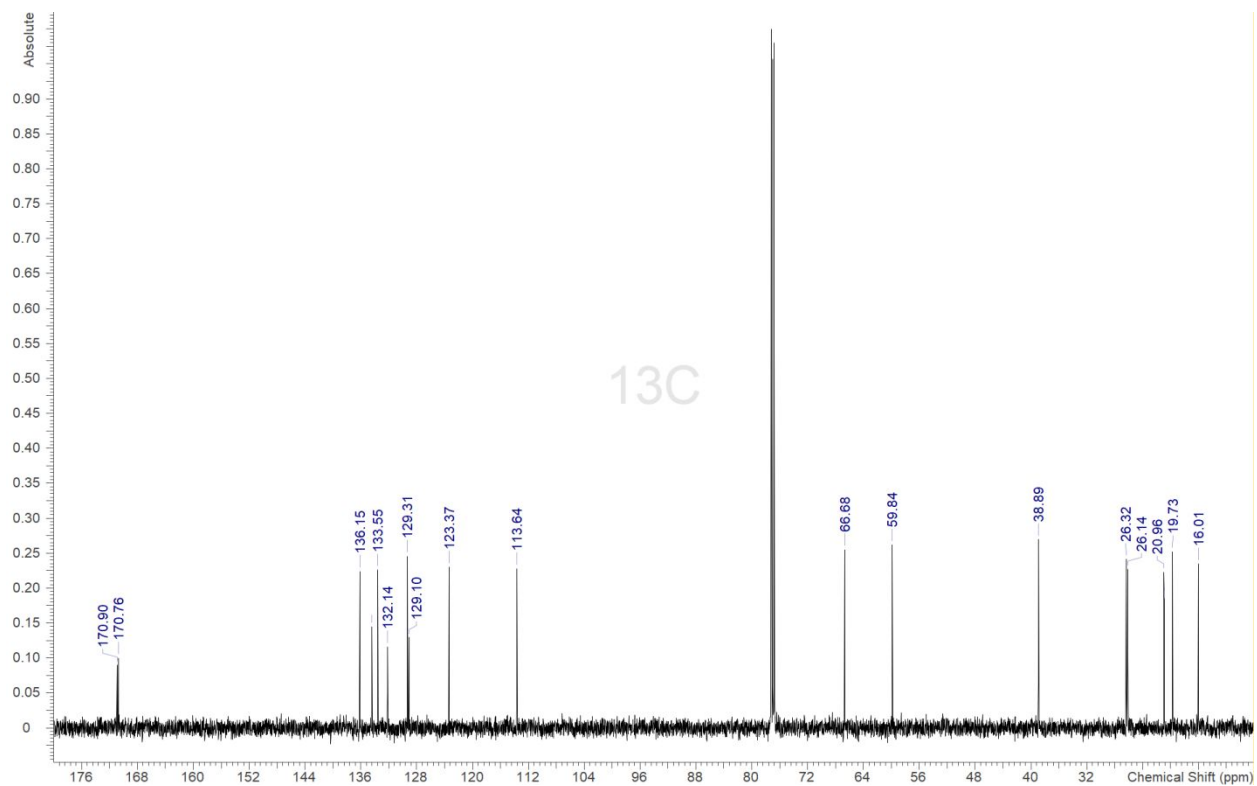


Figure S2: Crannenol A (**1**) ^{13}C NMR spectrum (150 MHz, CDCl_3).

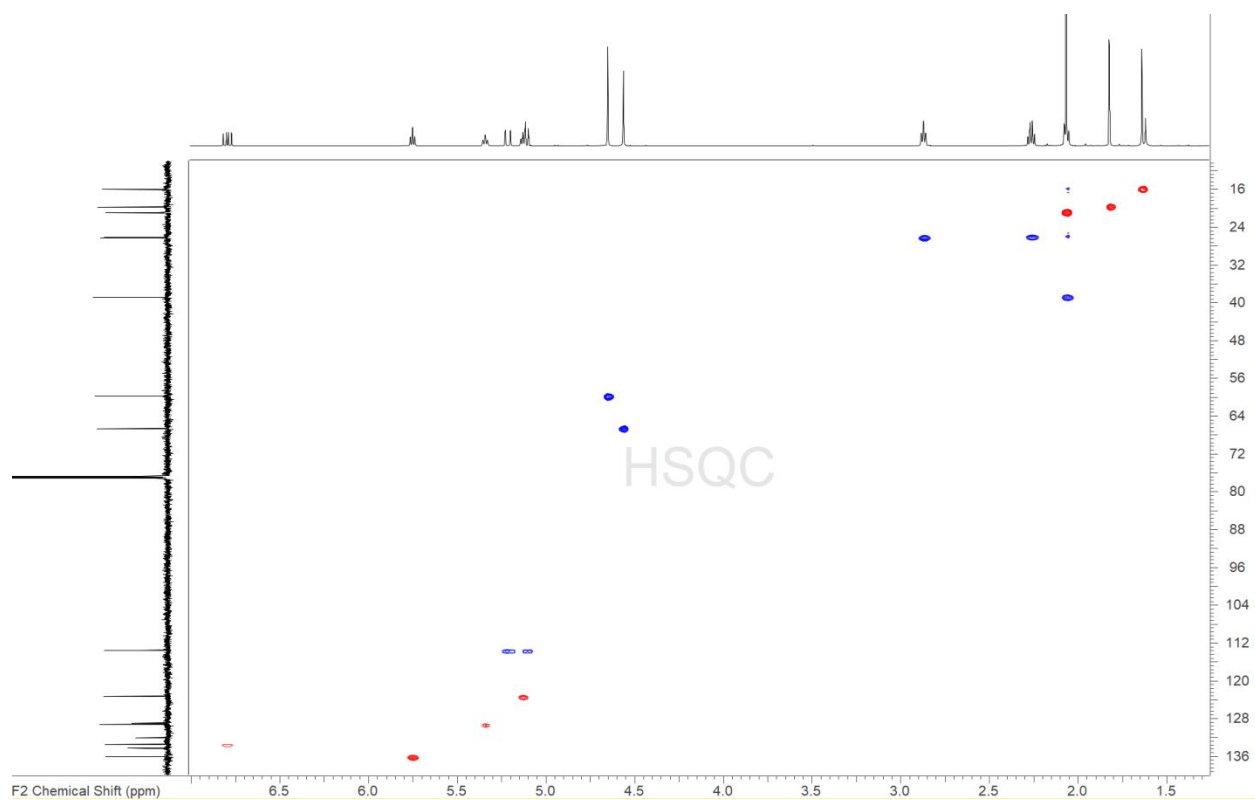


Figure S3: Crannenol A (**1**) HSQC spectrum (500 MHz, CDCl_3).

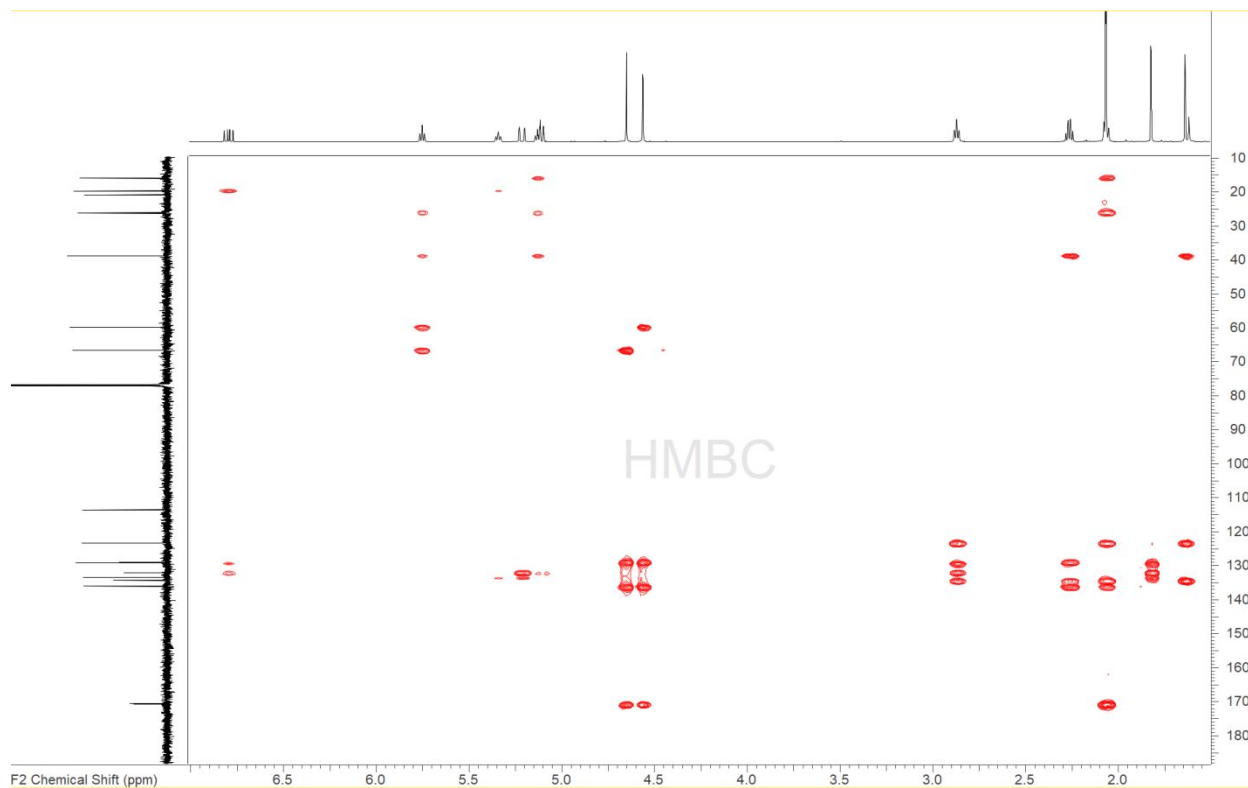


Figure S4: Crannenol A (1) HMBC spectrum (600 MHz, CDCl₃).

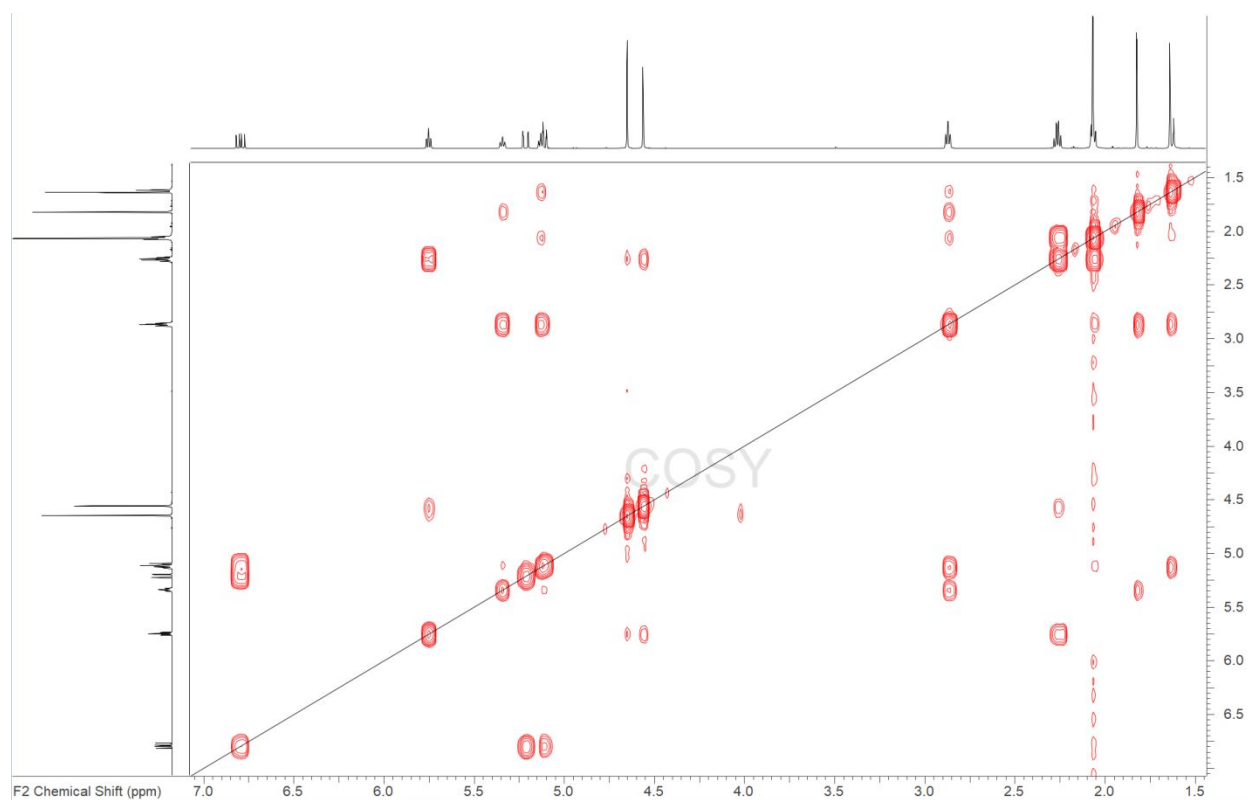


Figure S5: Crannenol A (1) COSY spectrum (600 MHz, CDCl₃).

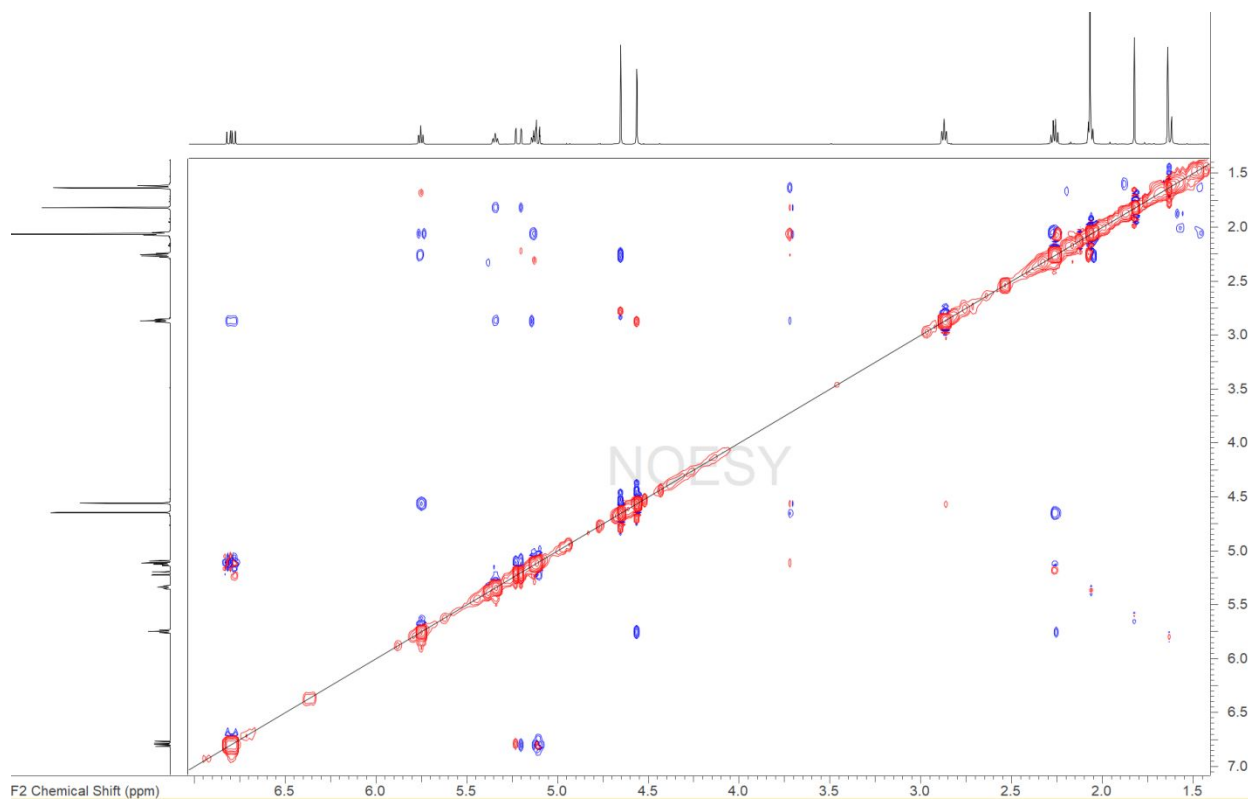


Figure S6: Crannenol A (**1**) NOESY spectrum (600 MHz, CDCl₃).

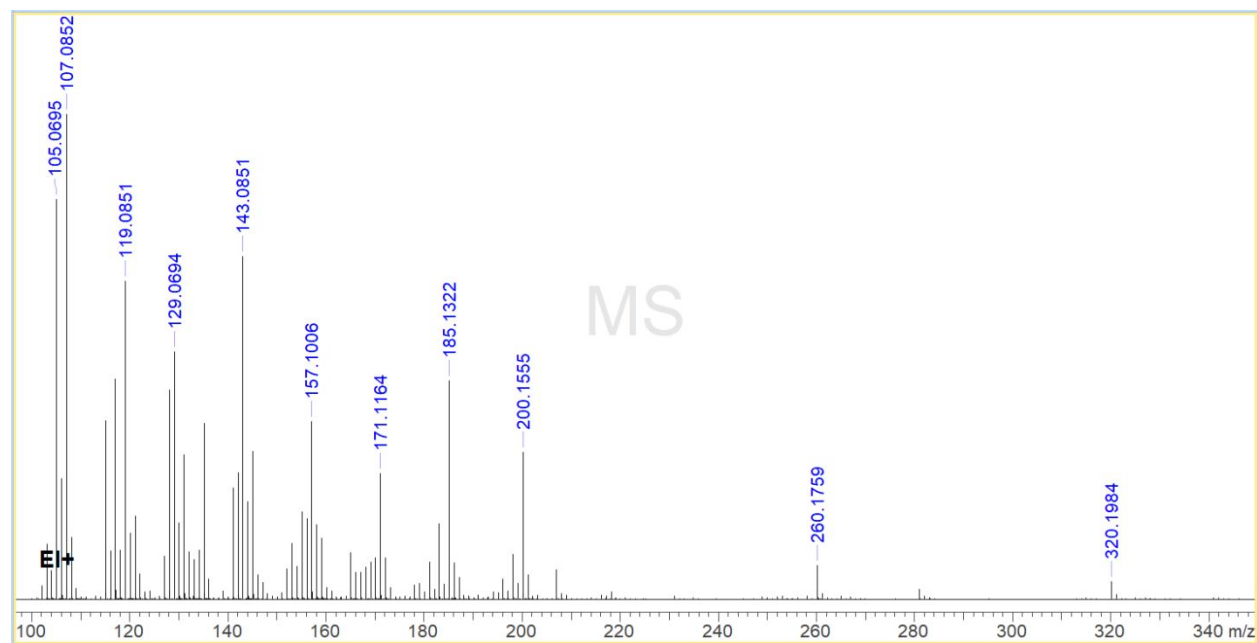


Figure S7: Crannenol A (**1**) HREIMS.

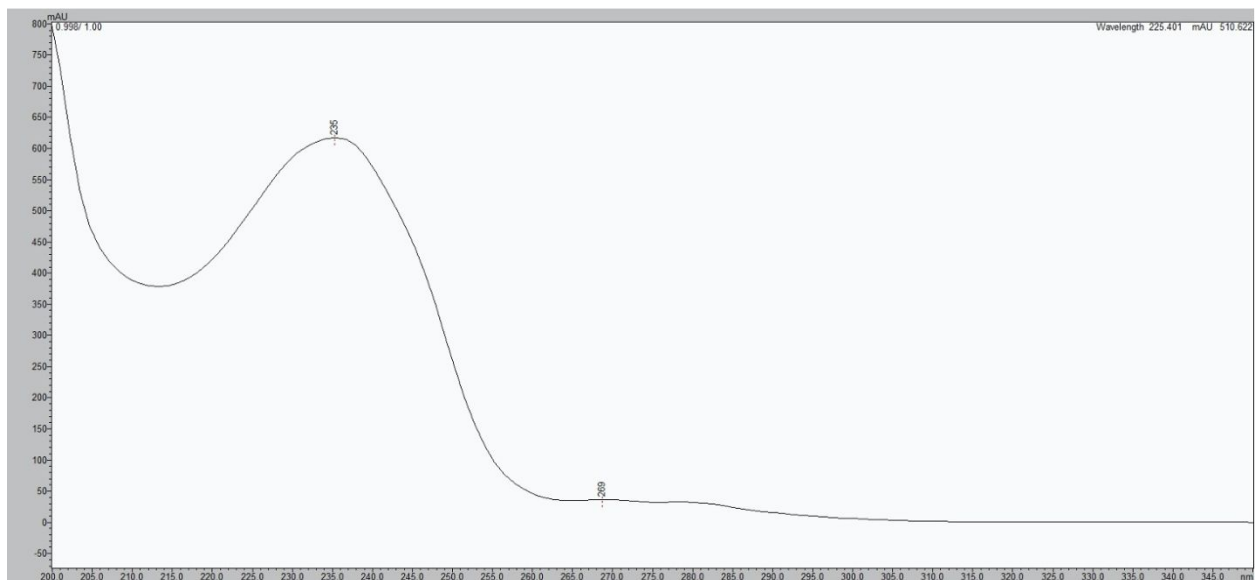


Figure S8: Crannenol A (**1**) UV λ_{\max} (CH₃OH).

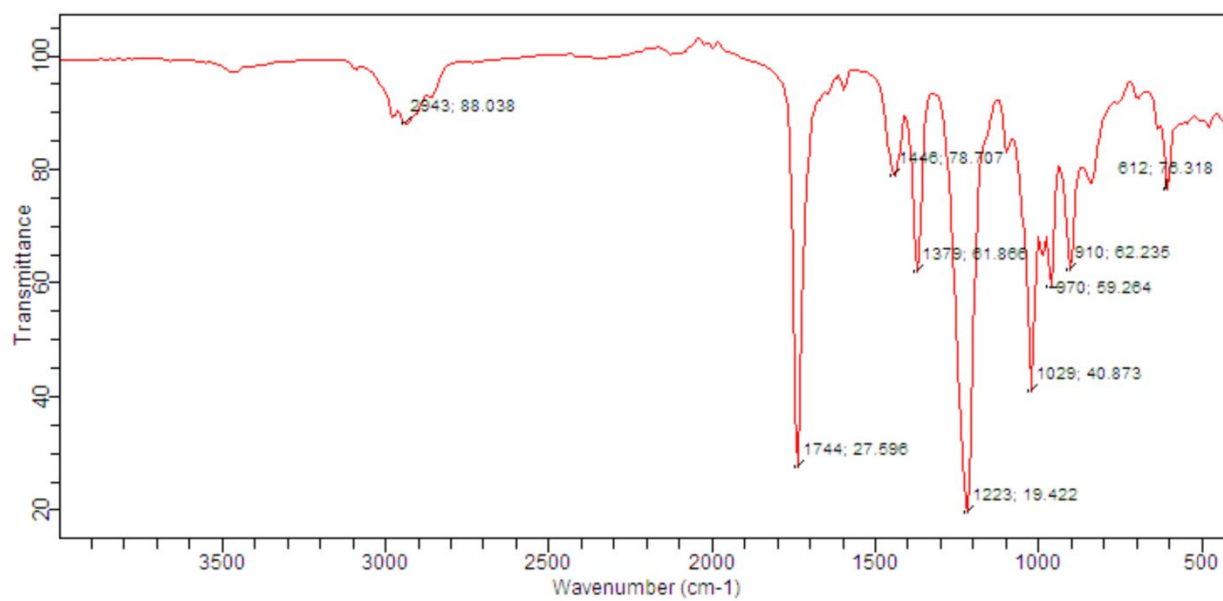


Figure S9: Crannenol A (**1**) IR spectrum (thin film).

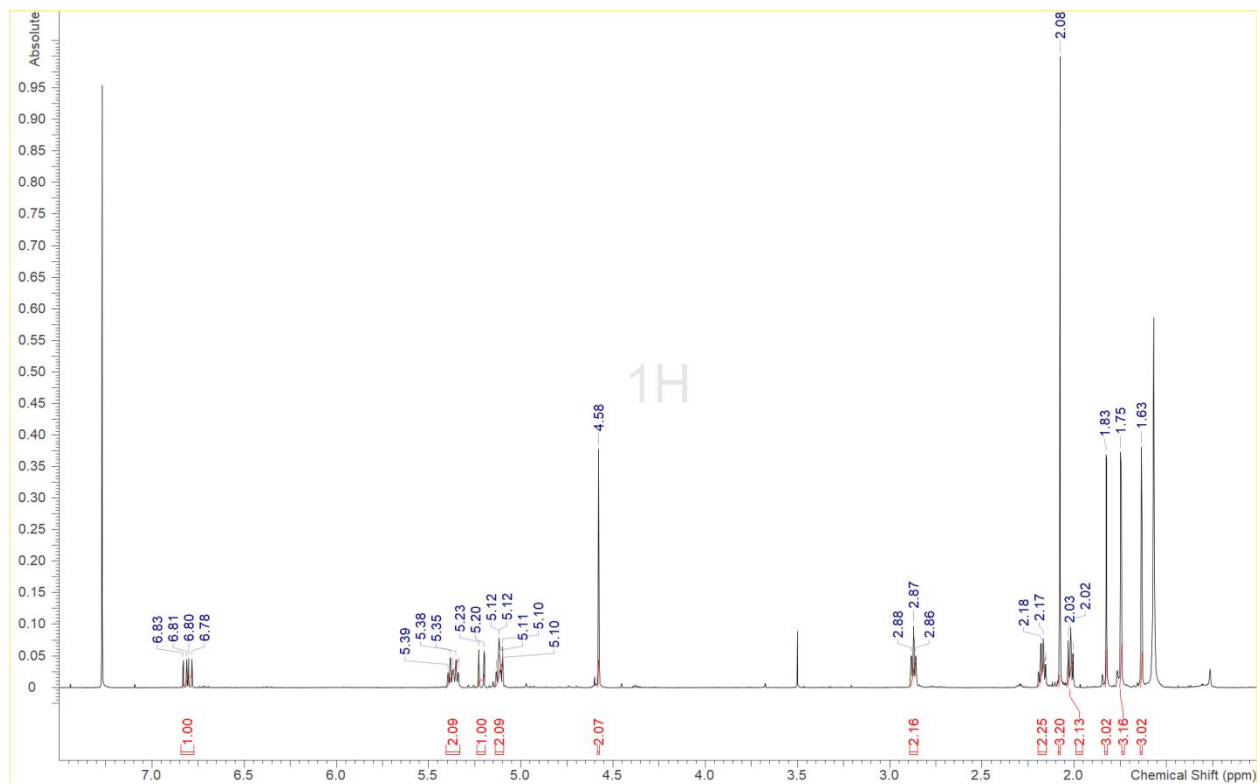


Figure S10: Crannenol B (**2**) ¹H NMR spectrum (600 MHz, CDCl₃).

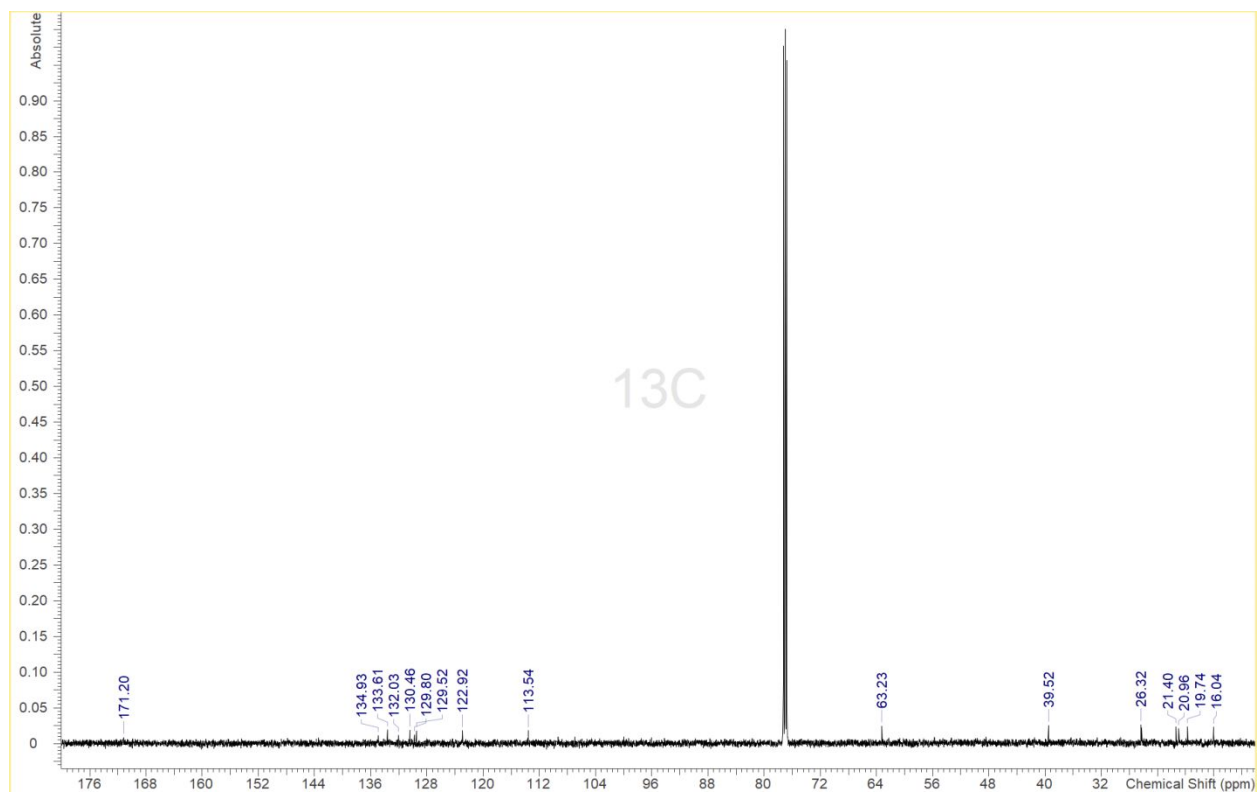


Figure S11: Crannenol B (**2**) ¹³C NMR spectrum (150 MHz, CDCl₃).

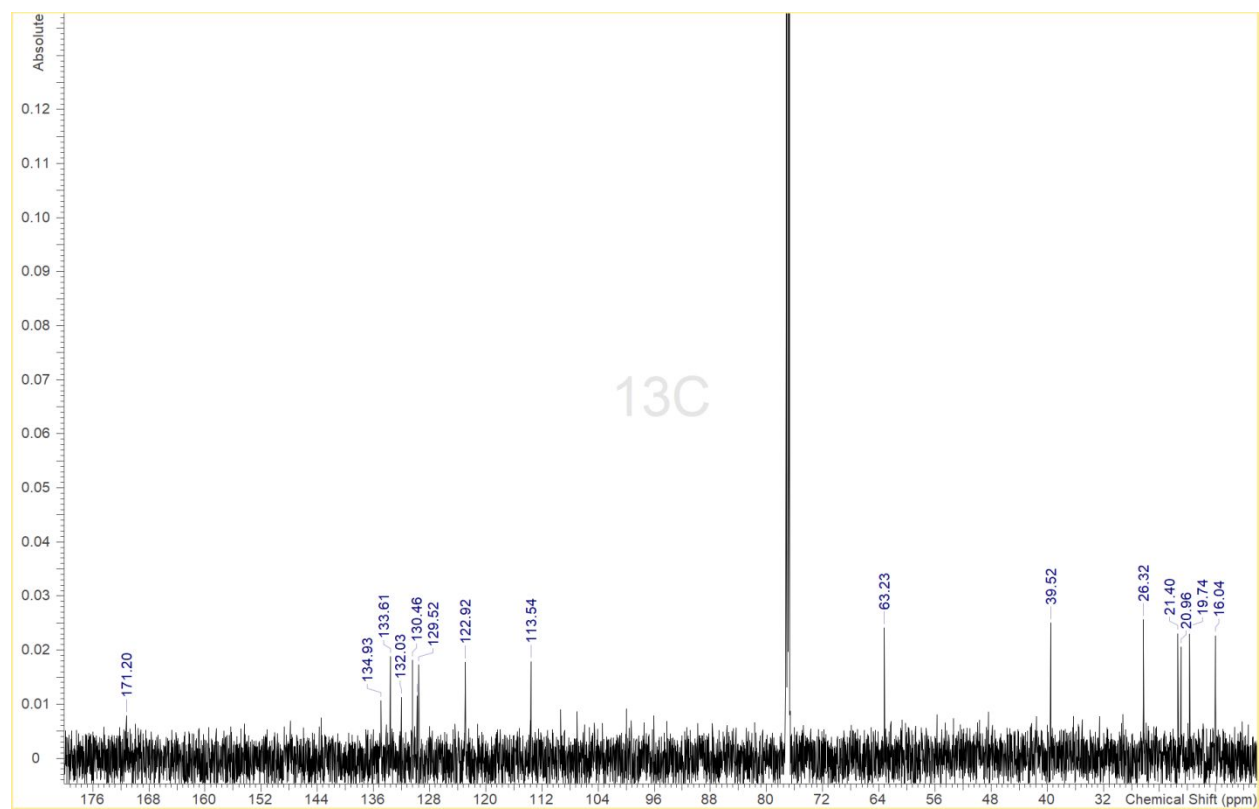


Figure S12: Crannenol B (**2**) ^{13}C NMR spectrum zoomed (150 MHz, CDCl_3).

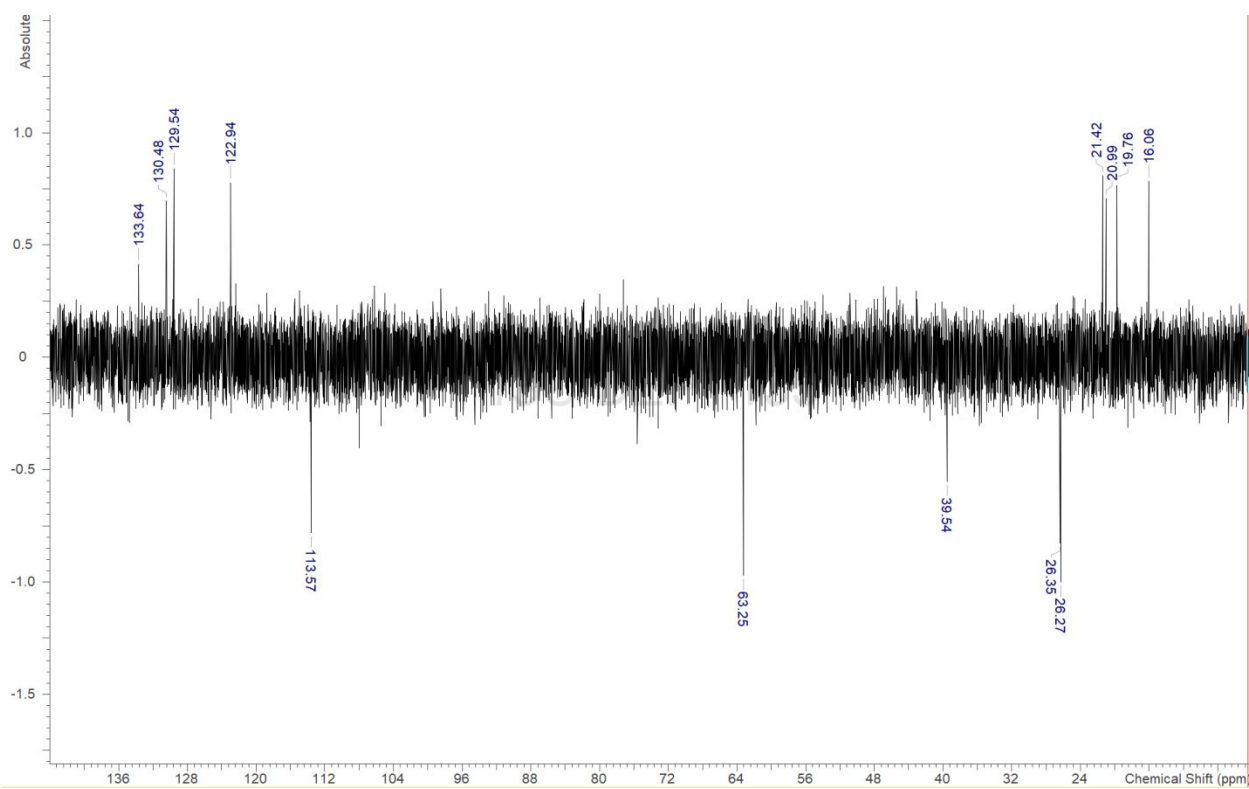


Figure S13: Crannenol B (**2**) DEPT135 NMR spectrum (150 MHz, CDCl_3).

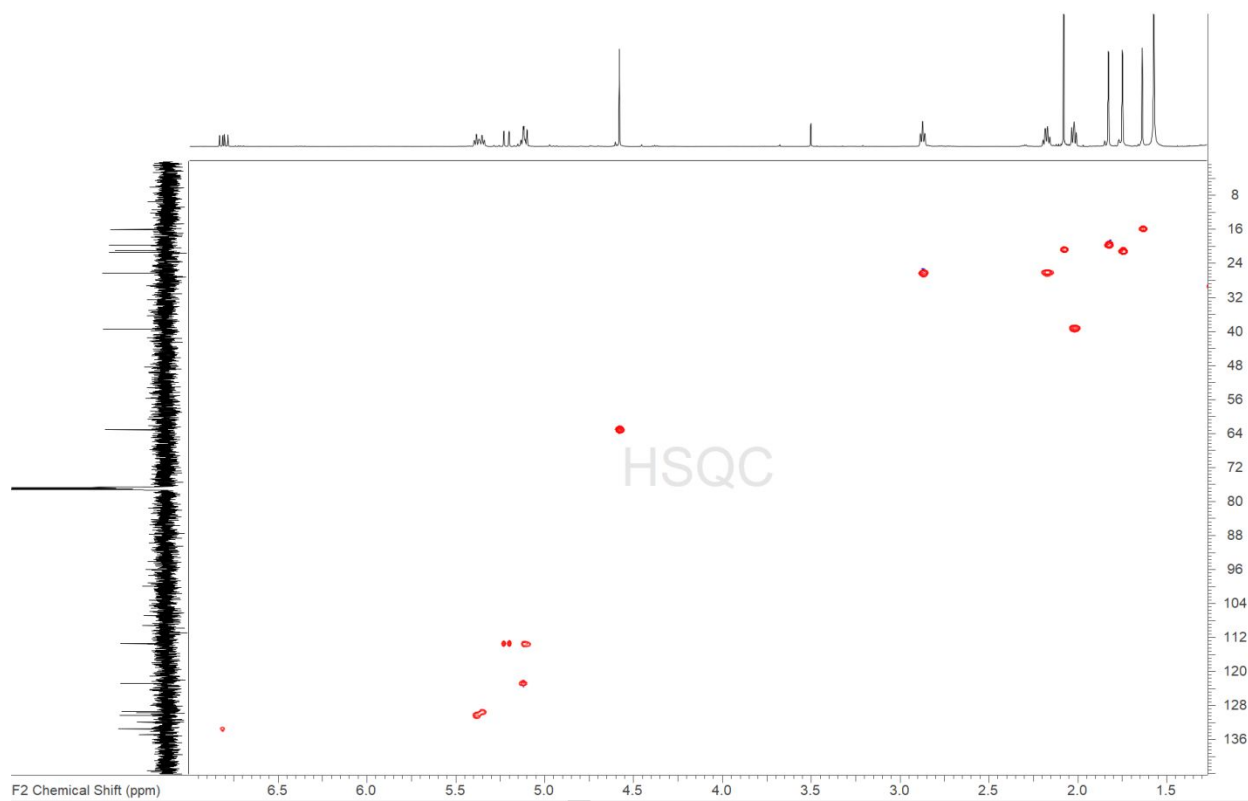


Figure S14: Crannenol B (**2**) HSQC NMR spectrum (600 MHz, CDCl₃).

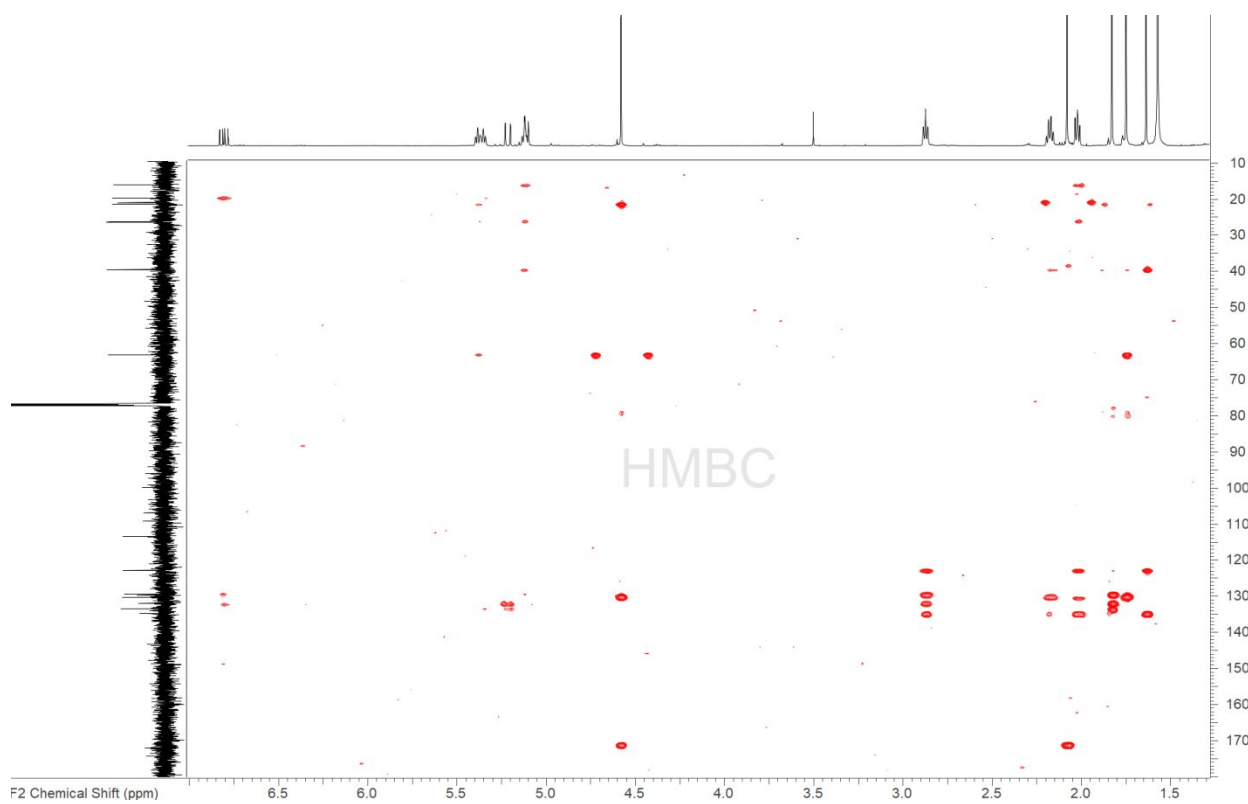


Figure S15: Crannenol B (**2**) HMBC NMR spectrum (500 MHz, CDCl₃).

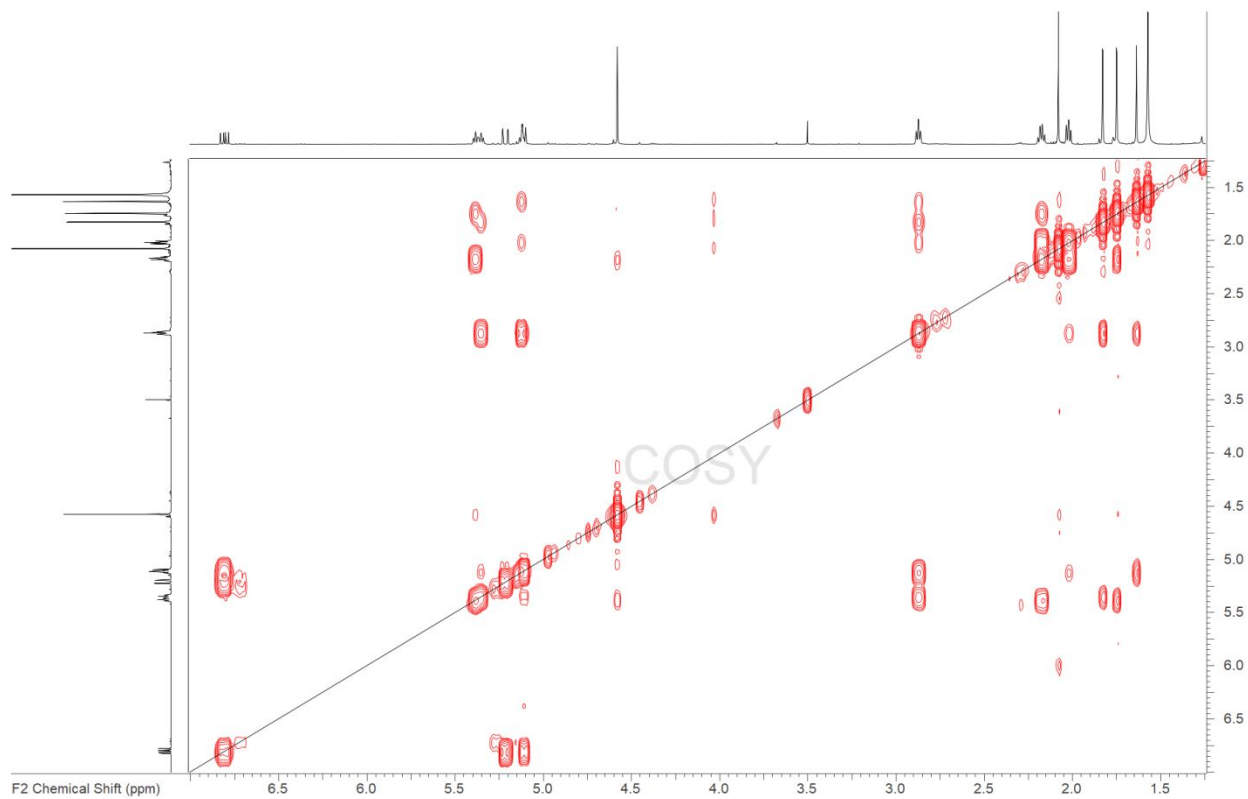


Figure S16: Crannenol B (**2**) COSY NMR spectrum (600 MHz, CDCl_3).

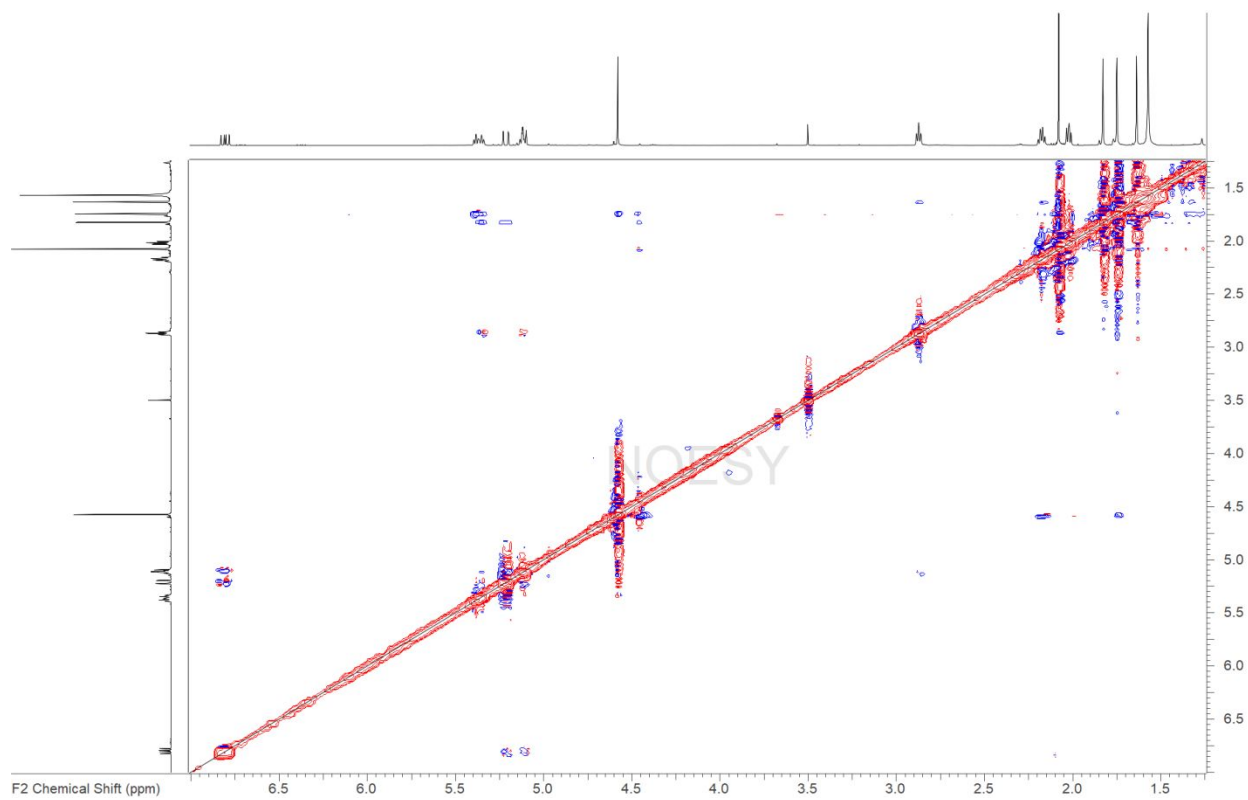


Figure S17: Crannenol B (**2**) NOESY NMR spectrum (500 MHz, CDCl_3).

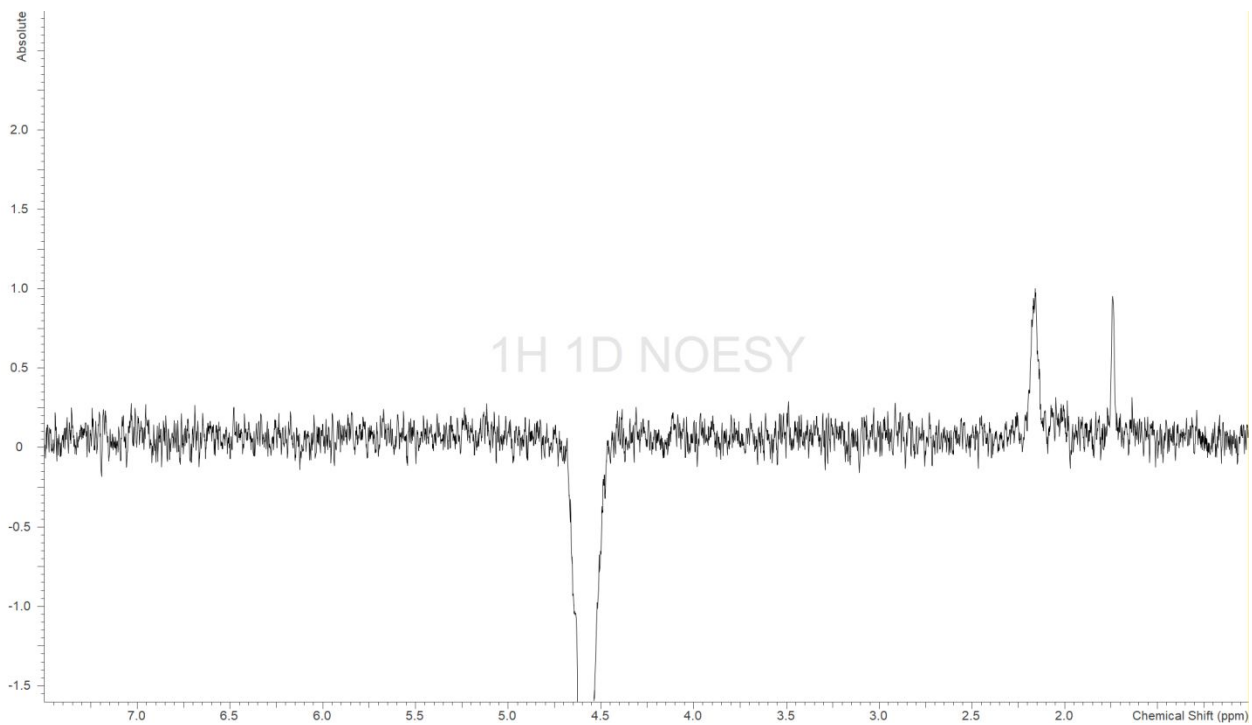


Figure S18: Crannenol B (**2**) 1D NOE NMR spectrum irradiating protons at 4.58ppm (400 MHz, CDCl₃).

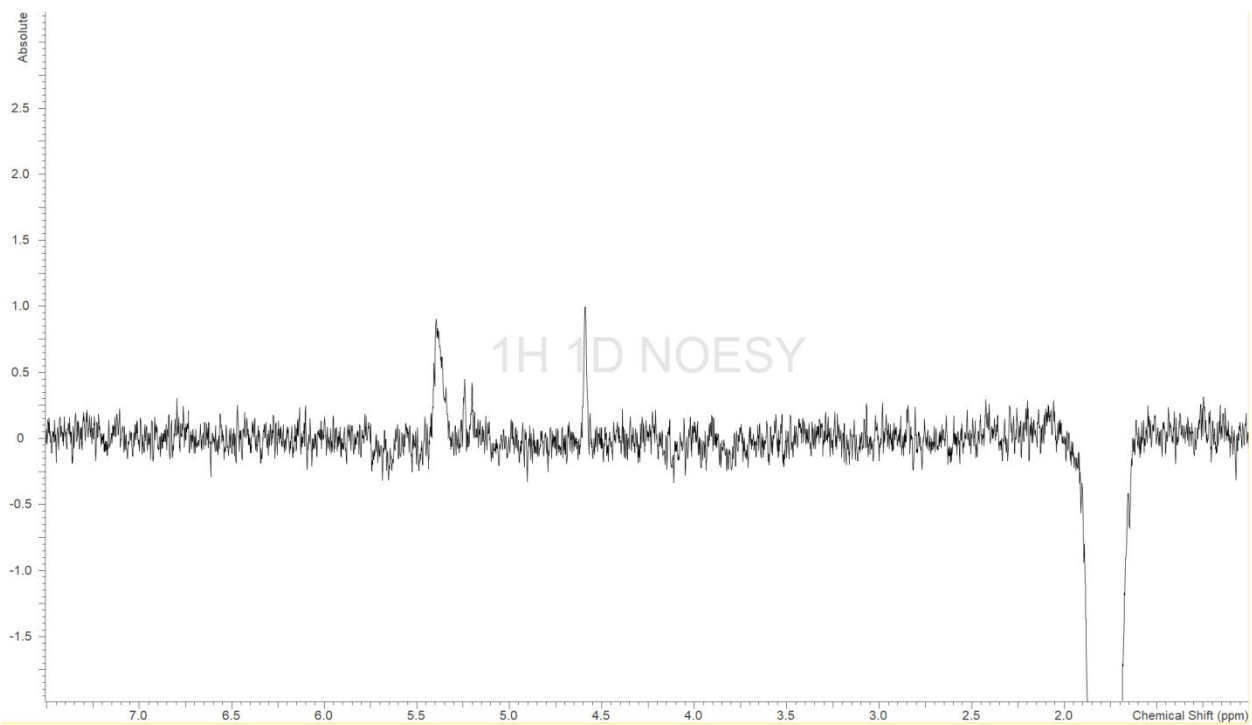


Figure S19: Crannenol B (**2**) 1D NOE NMR spectrum irradiating protons at 1.75ppm (400 MHz, CDCl₃).

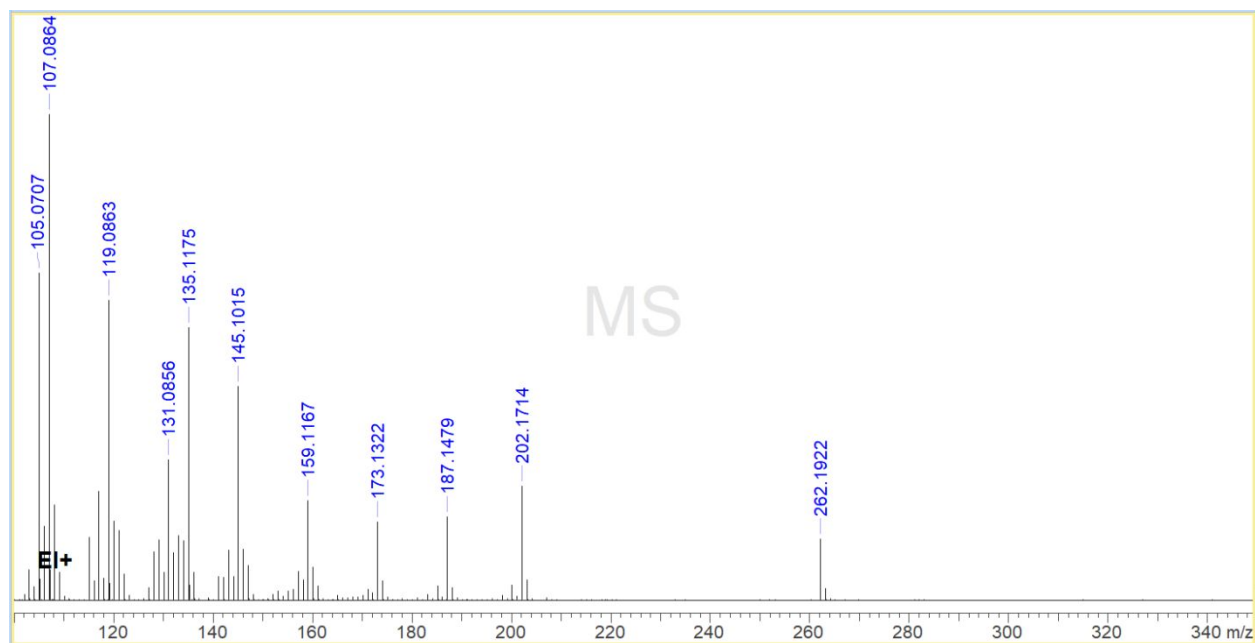


Figure S20: Crannenol B (**2**) HREIMS.

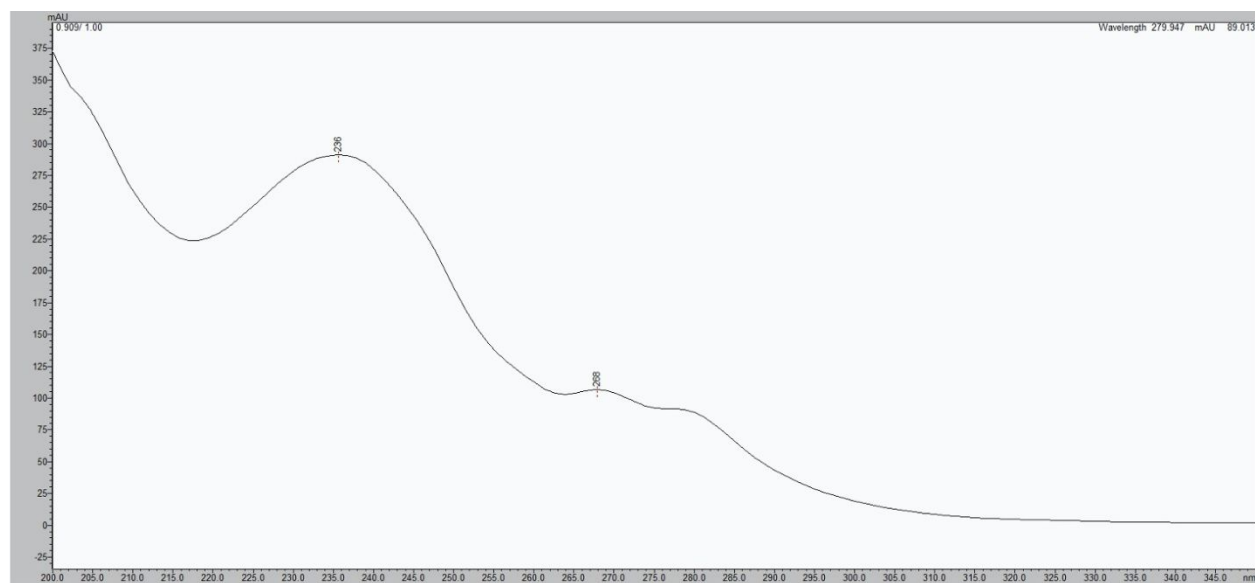


Figure S21: Crannenol B (**2**) UV λ_{\max} (CH₃OH).

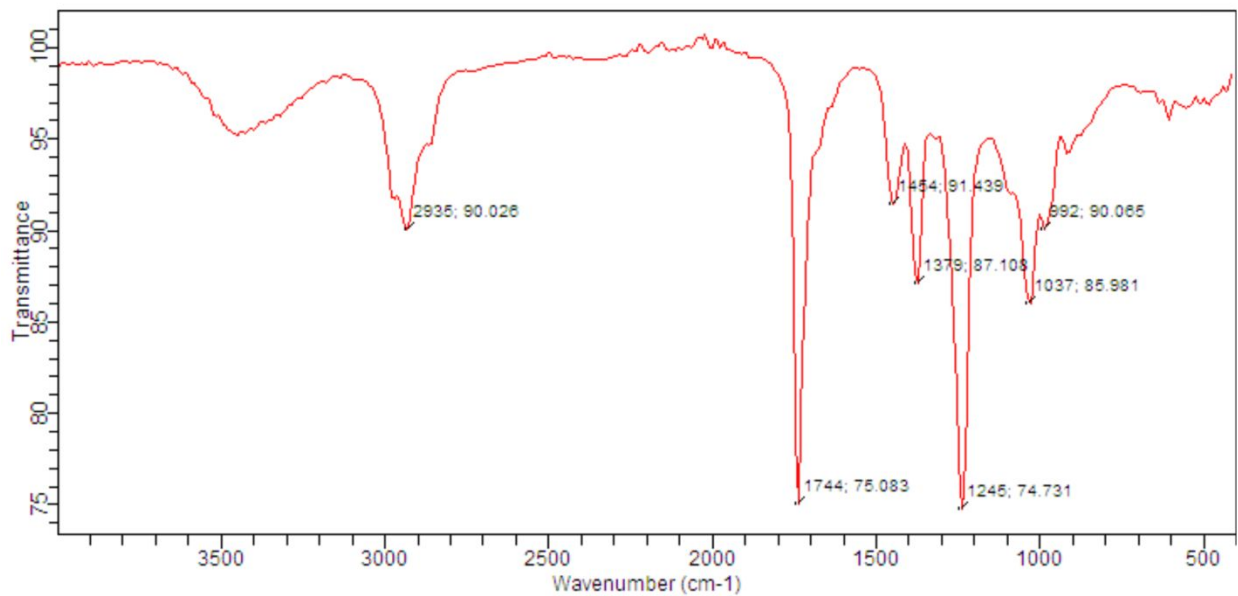


Figure S22: Crannol B (**2**) IR spectrum (thin film).

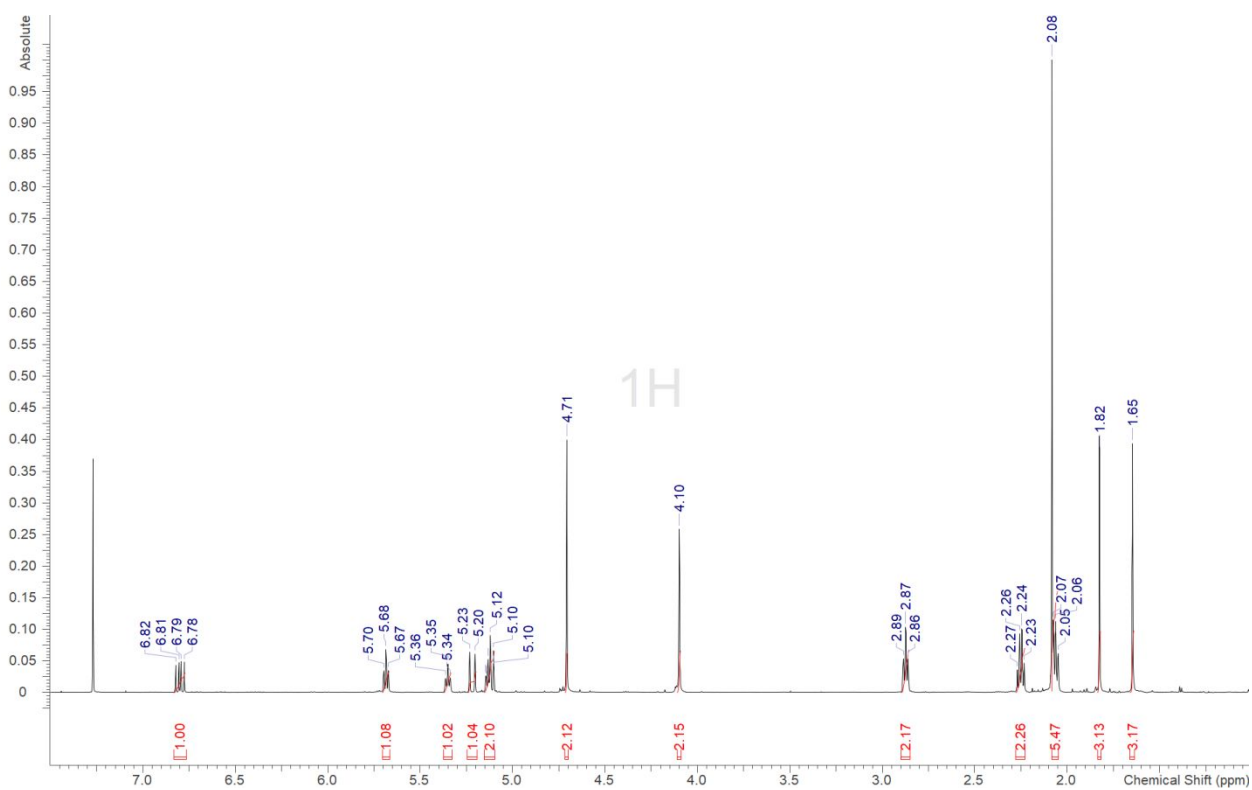


Figure S23: Crannol C (**3**) ¹H NMR spectrum (600 MHz, CDCl₃).

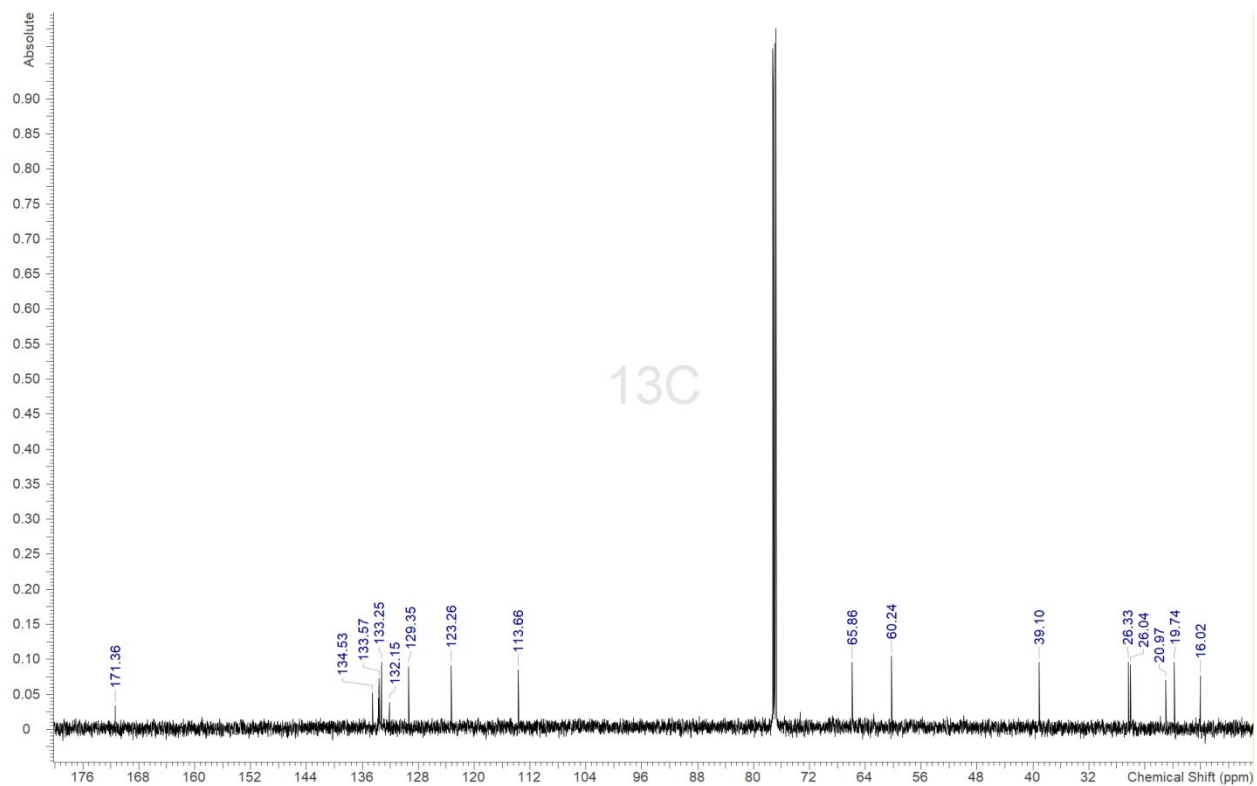


Figure S24: Crannenol C (**3**) ^{13}C NMR spectrum (150 MHz, CDCl_3).

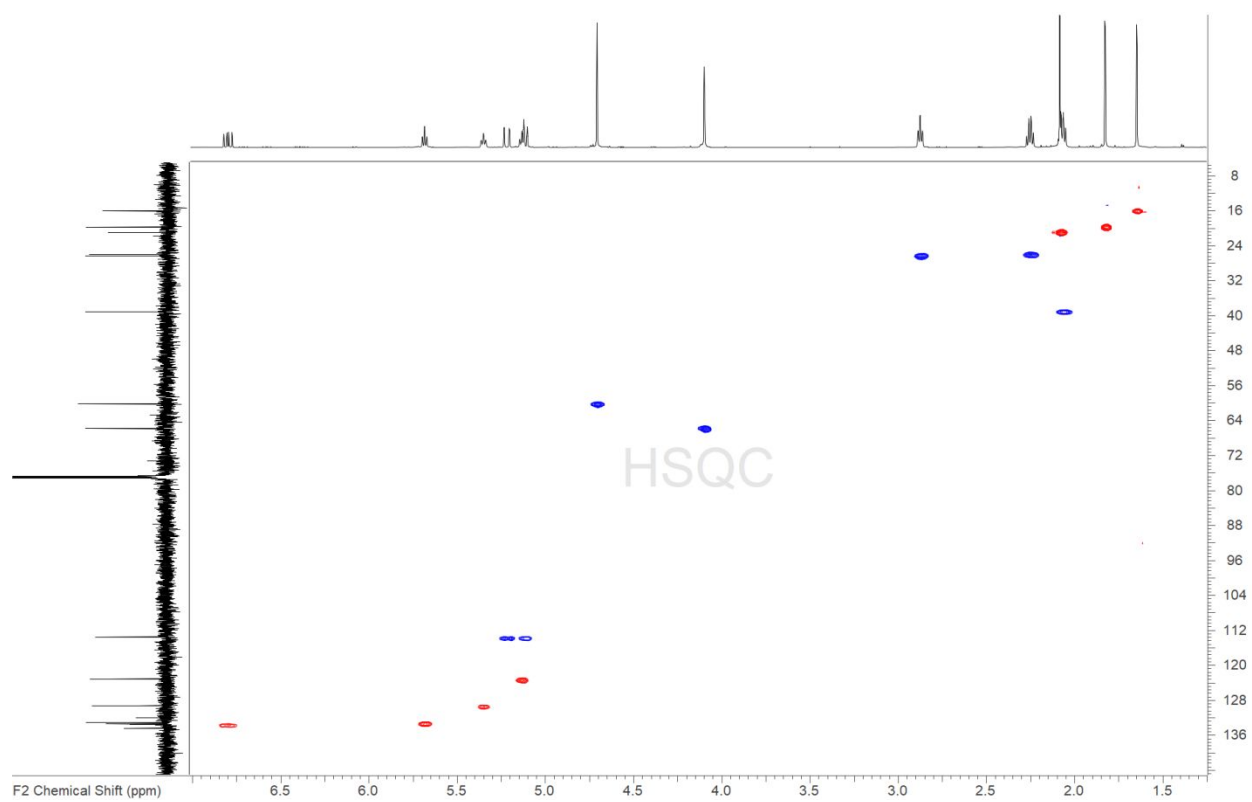


Figure S25: Crannenol C (**3**) HSQC NMR (500 MHz, CDCl_3).

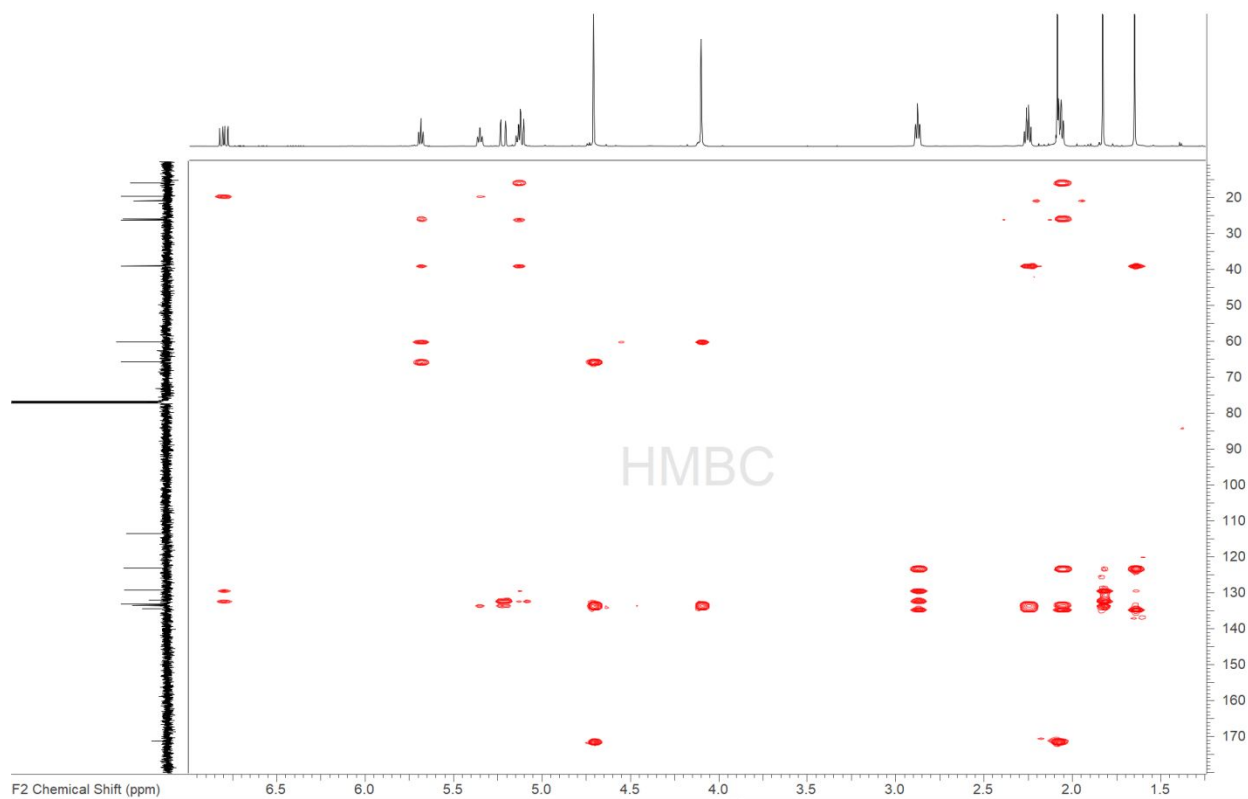


Figure S26: Crannenol C (**3**) HMBC NMR (500 MHz, CDCl₃).

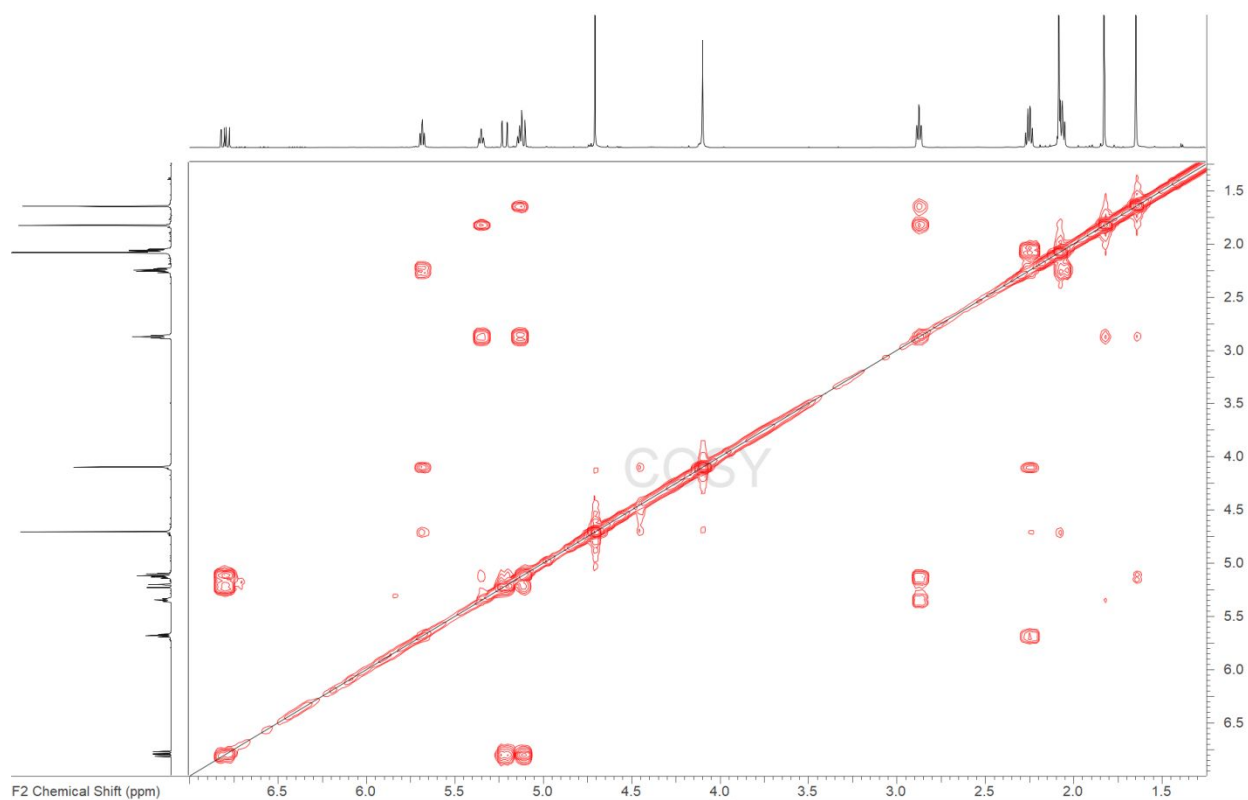


Figure S27: Crannenol C (**3**) COSY NMR spectrum (500 MHz, CDCl₃).

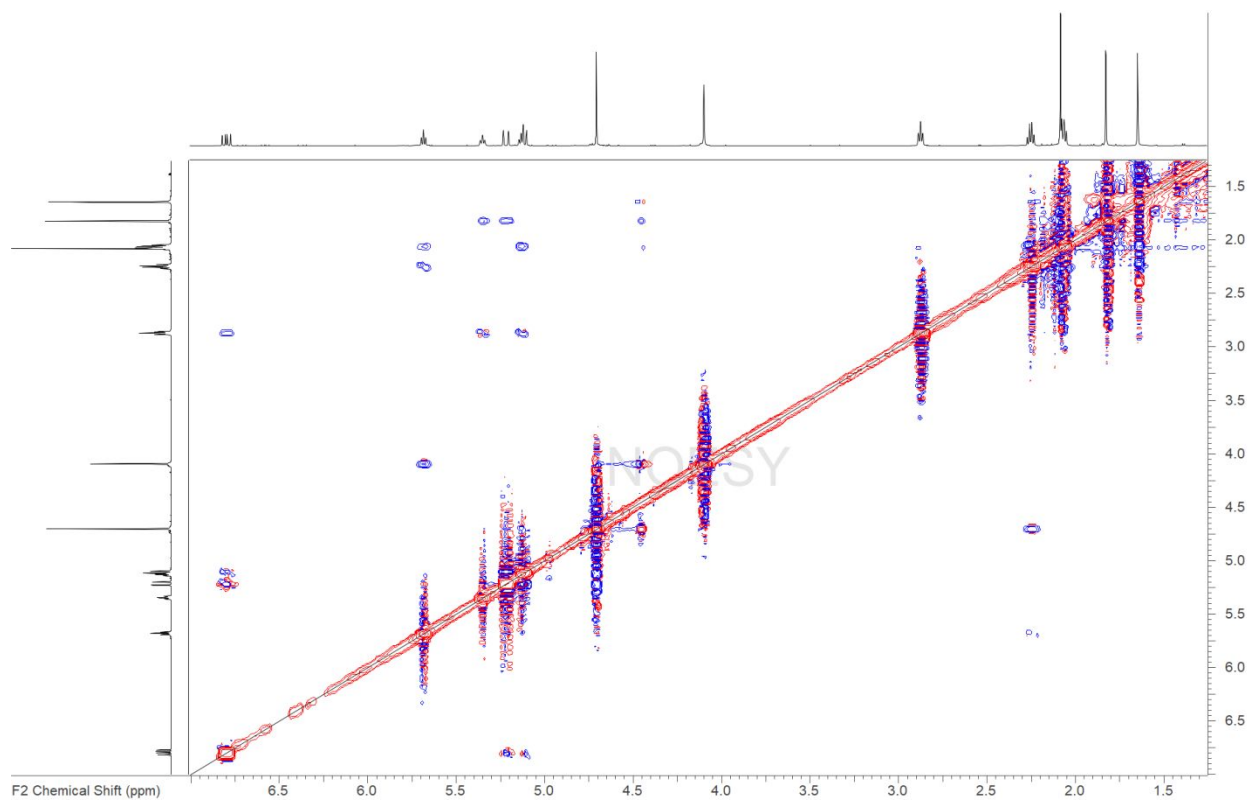


Figure S28: Crannenol C (**3**) NOESY NMR spectrum (500 MHz, CDCl₃).

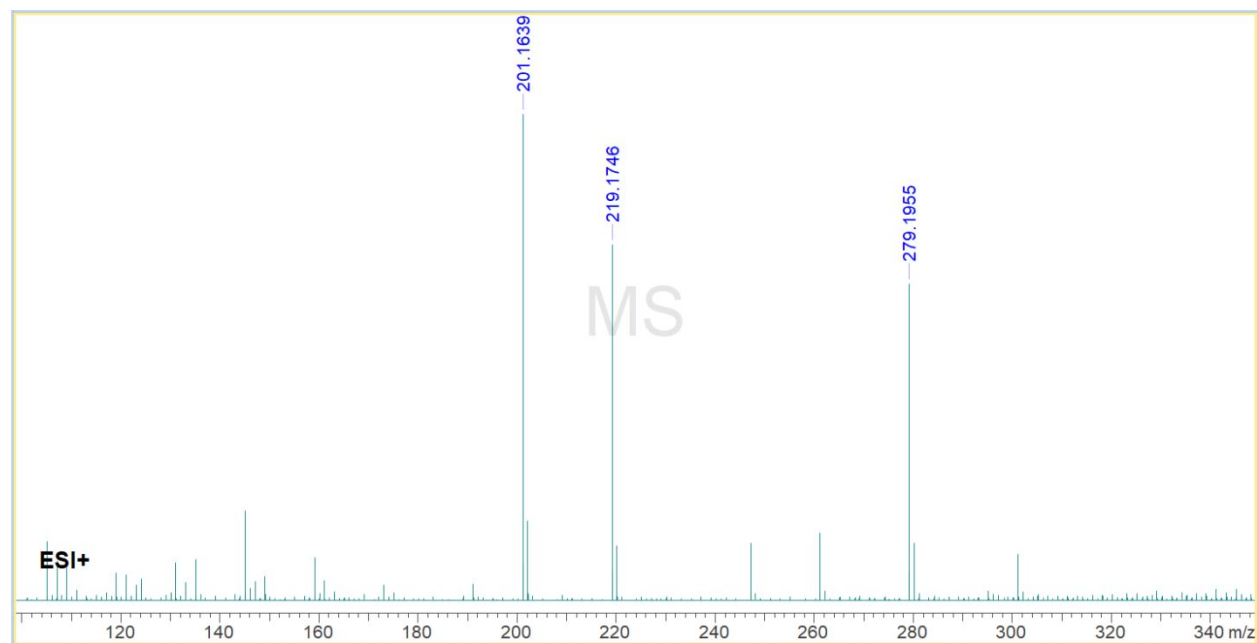


Figure S29: Crannenol C (**3**) HRESIMS.

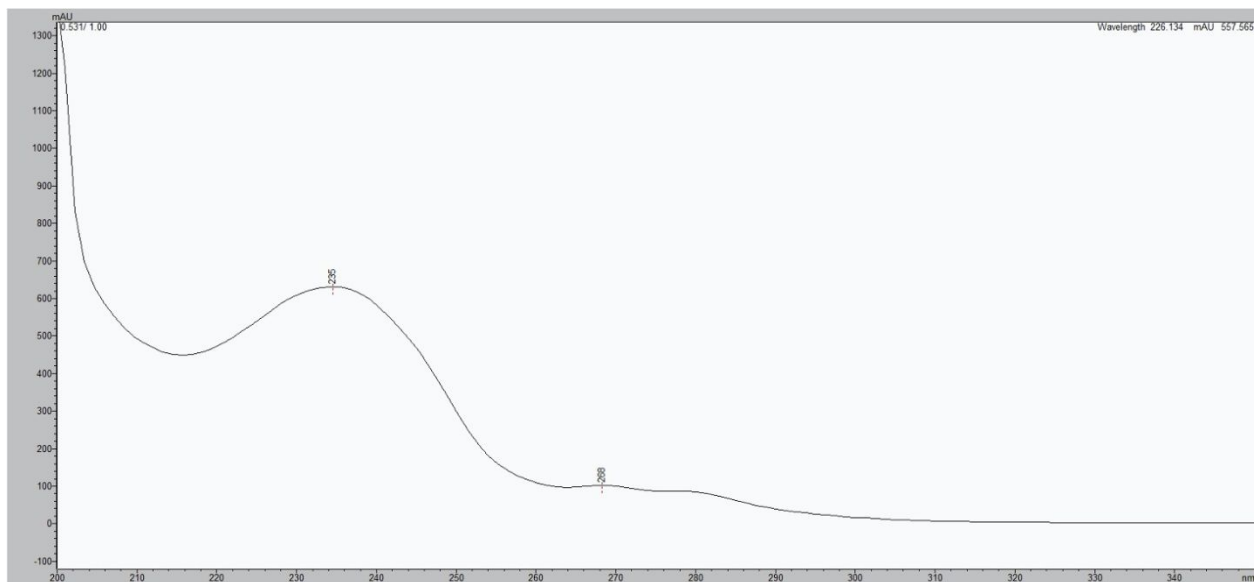


Figure S30: Crannenol C (**3**) UV λ_{\max} (CH₃OH).

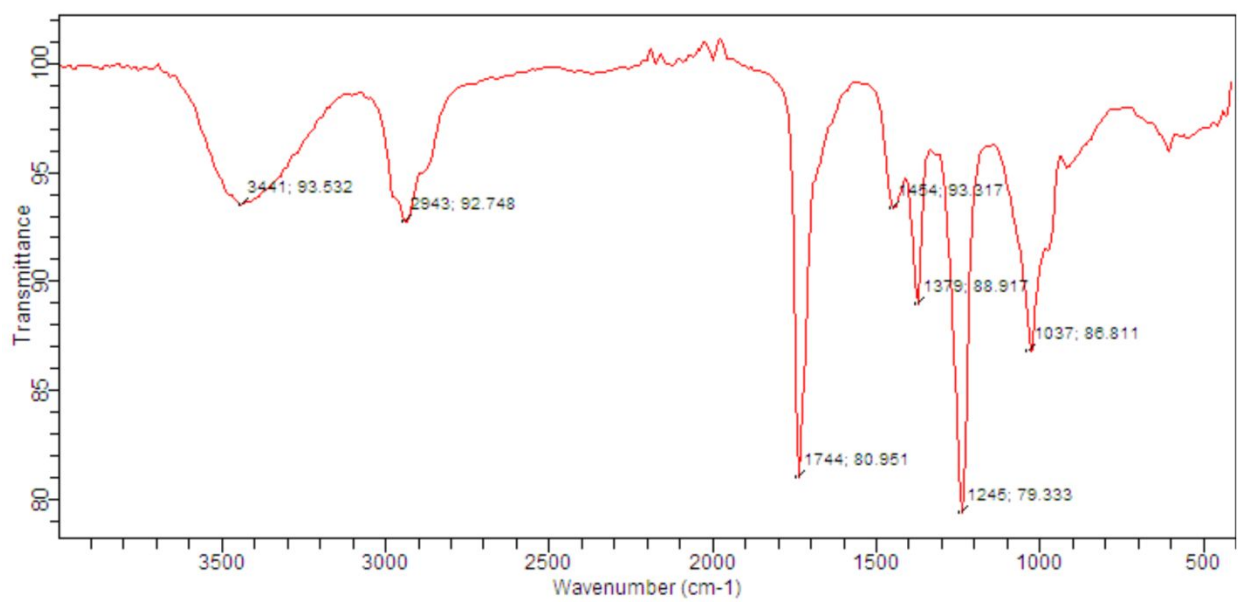


Figure S31: Crannenol C (**3**) IR spectrum (thin film).

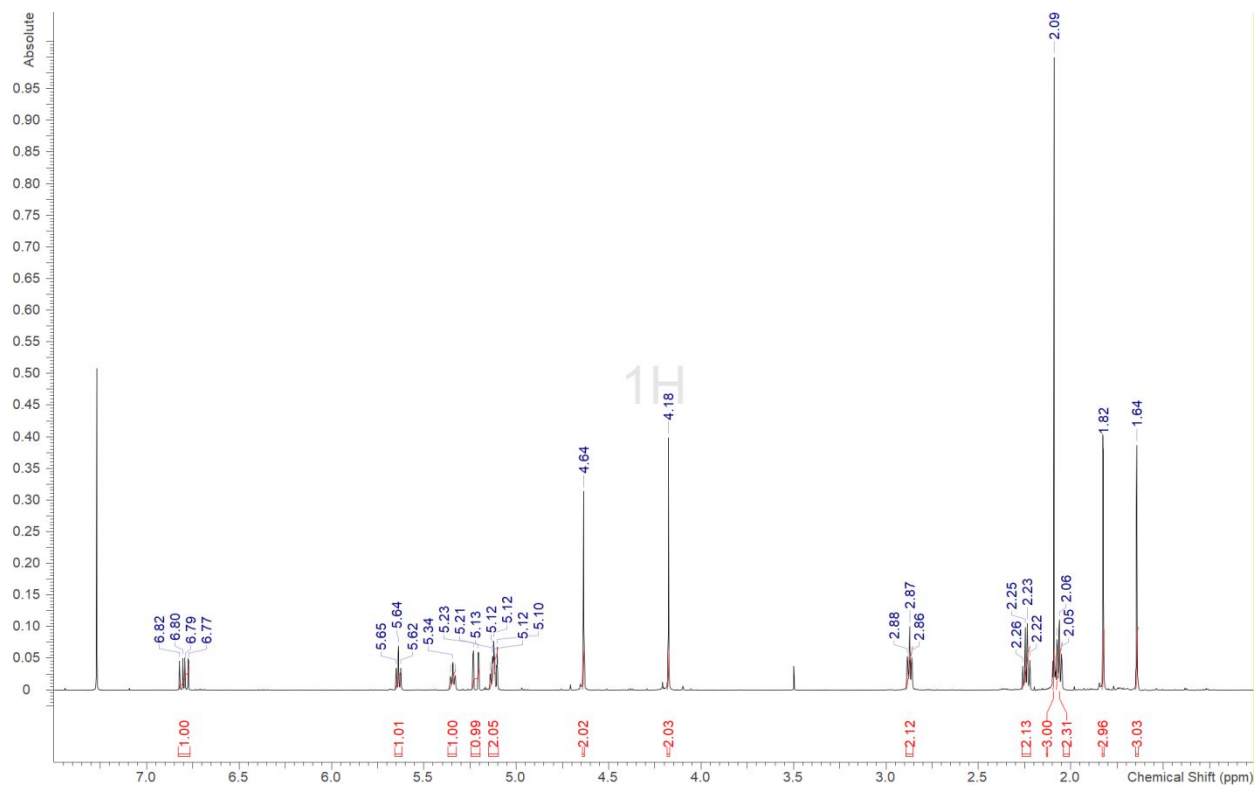


Figure S32: Crannenol D (4) ^1H NMR spectrum (600 MHz, CDCl_3).

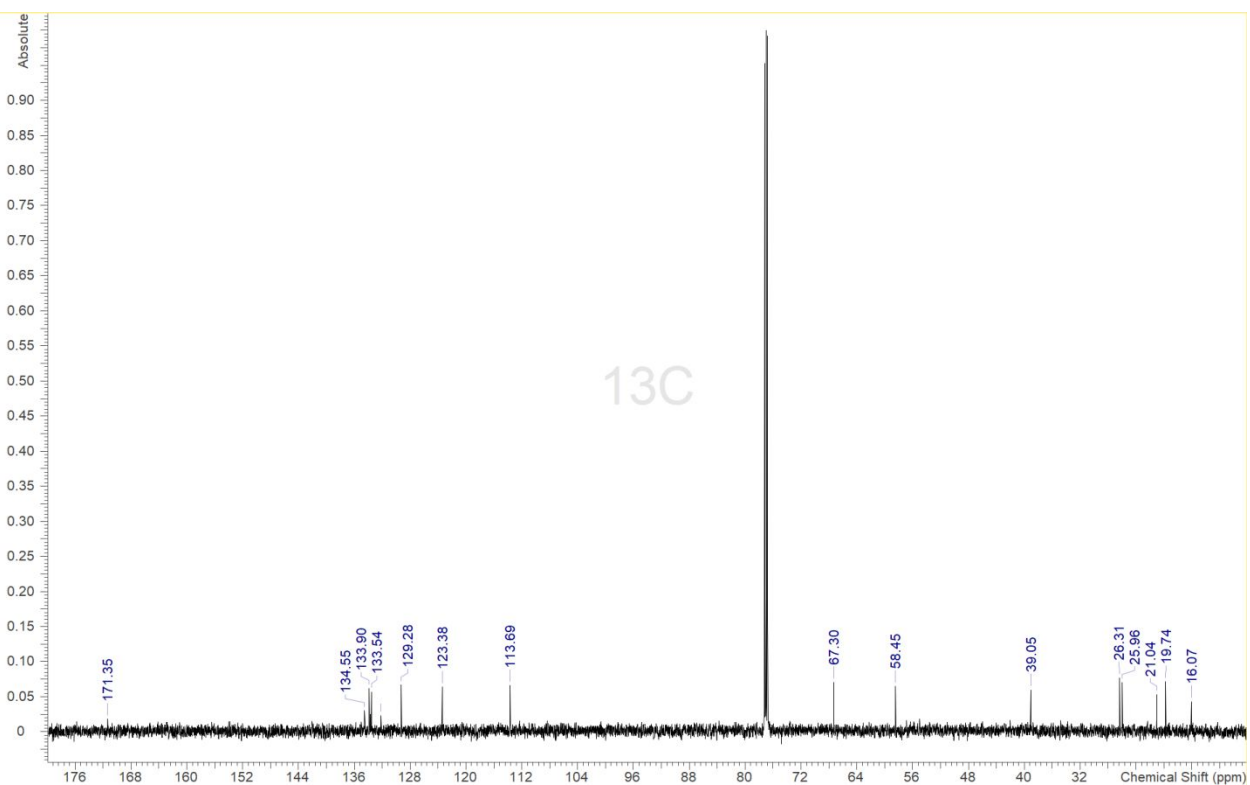


Figure S33: Crannenol D (4) ^{13}C NMR spectrum (150 MHz, CDCl_3).

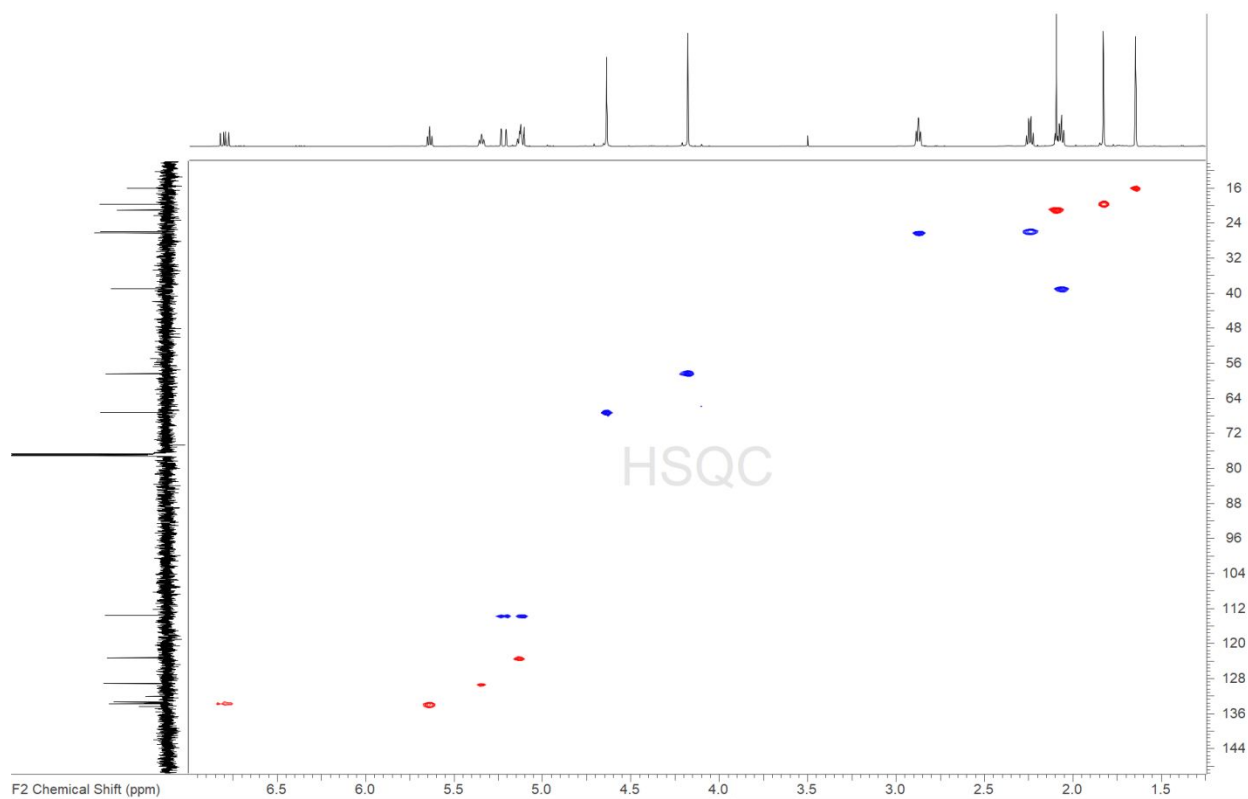


Figure S34: Crannenol D (**4**) HSQC NMR spectrum (500 MHz, CDCl₃).

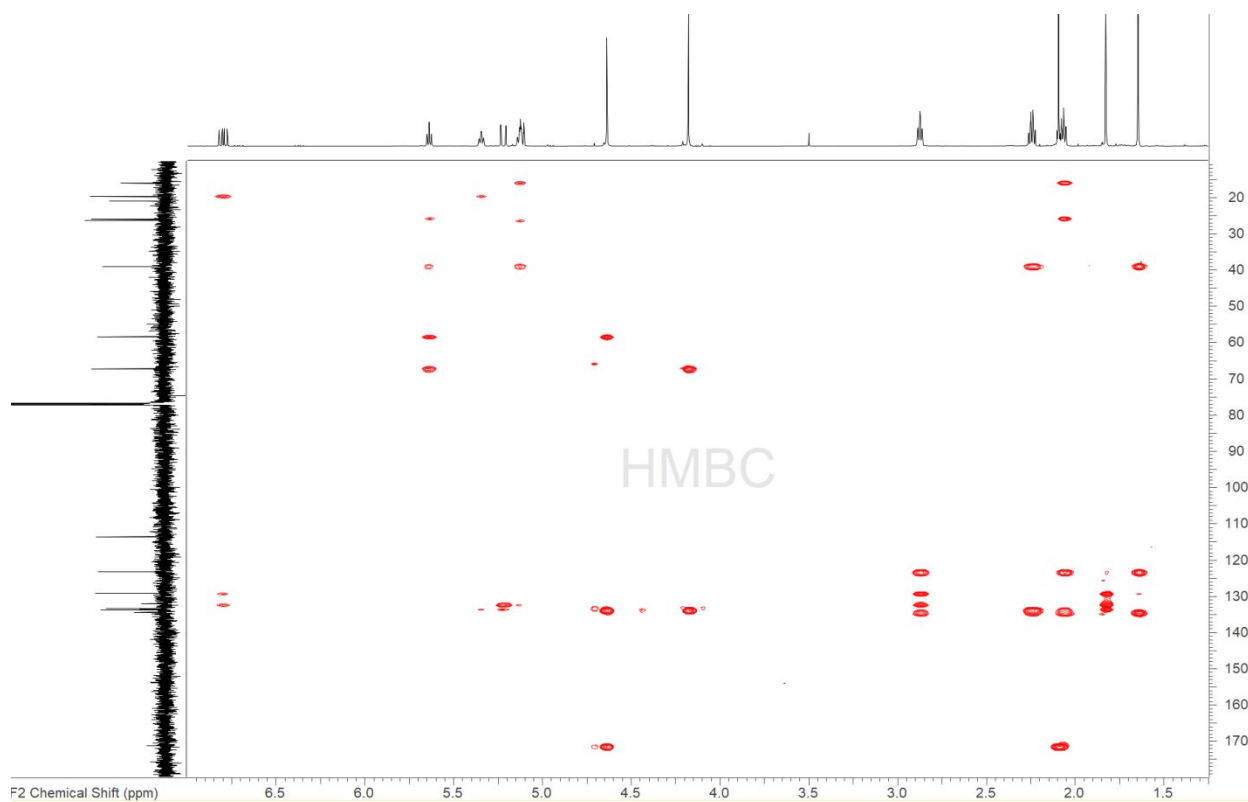


Figure S35: Crannenol D (**4**) HMBC NMR spectrum (500 MHz, CDCl₃).

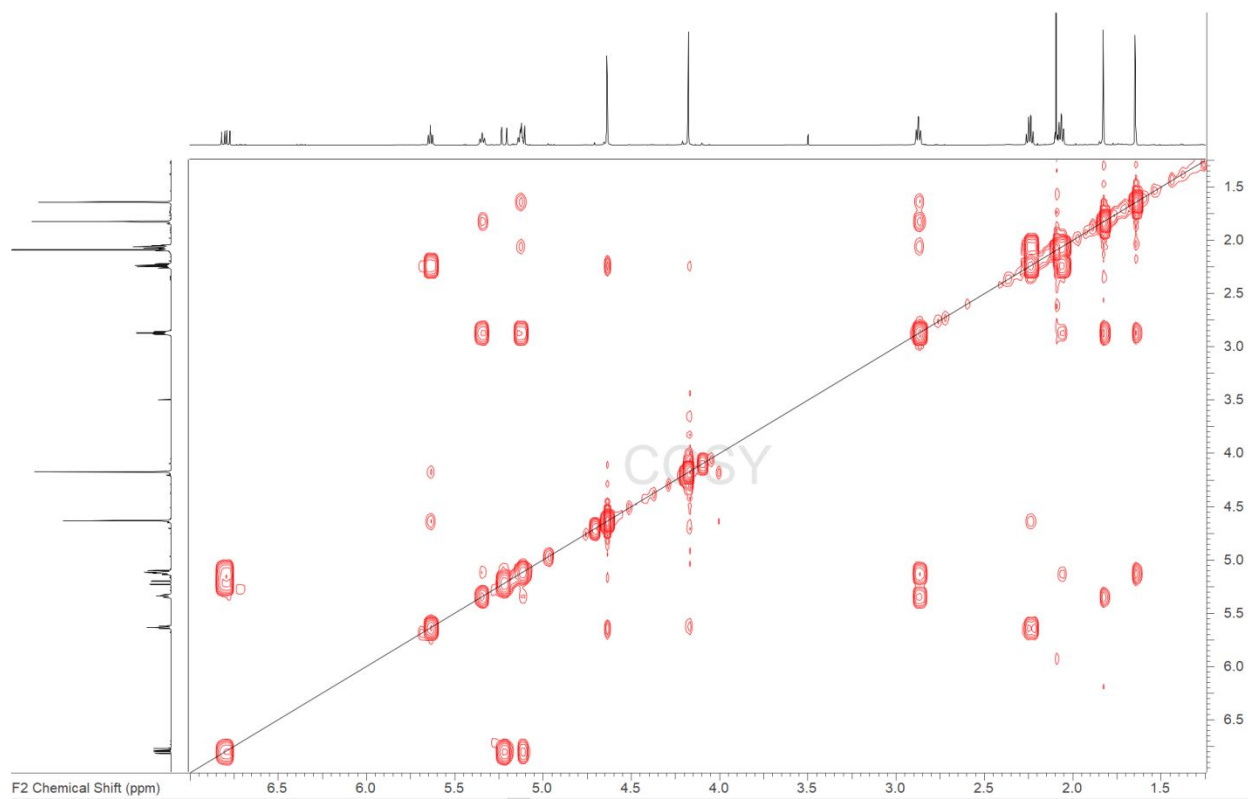


Figure S36: Crannenol D (**4**) COSY NMR spectrum (600 MHz, CDCl₃).

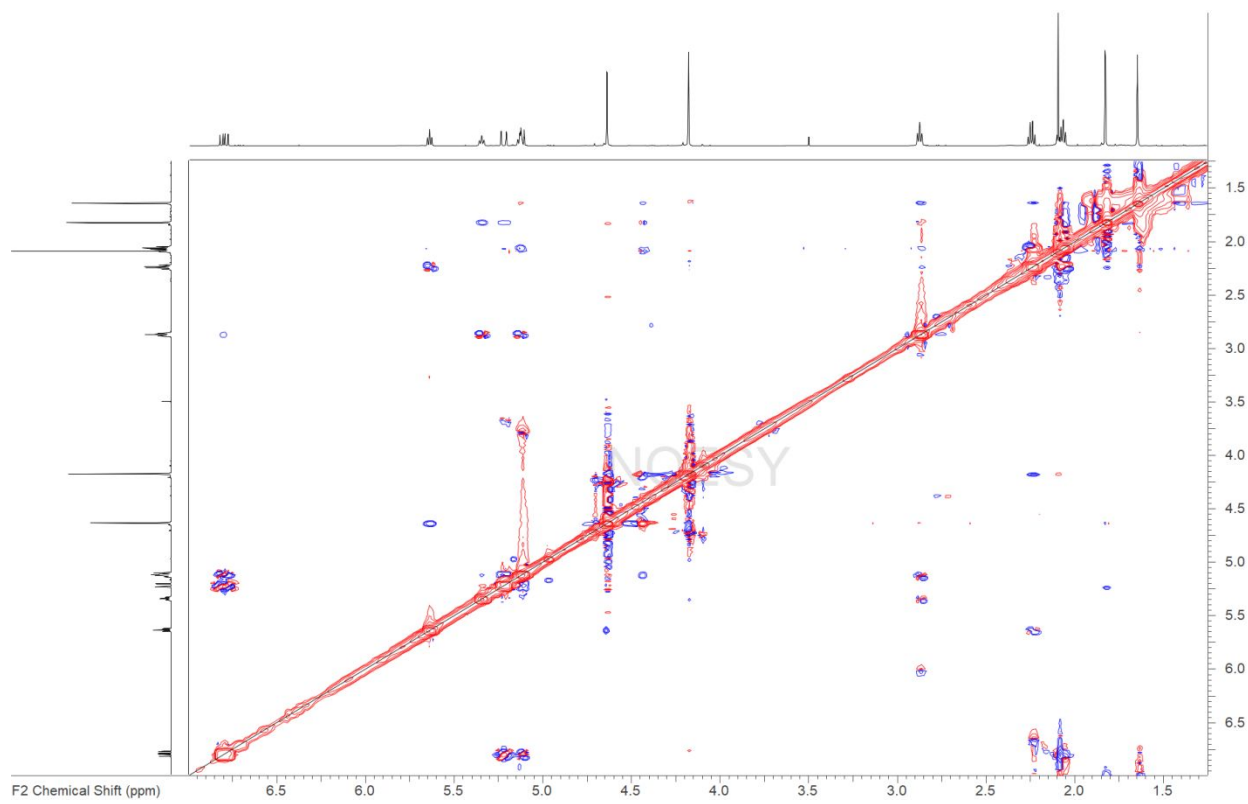


Figure S37: Crannenol D (**4**) NOESY NMR spectrum (500 MHz, CDCl₃).

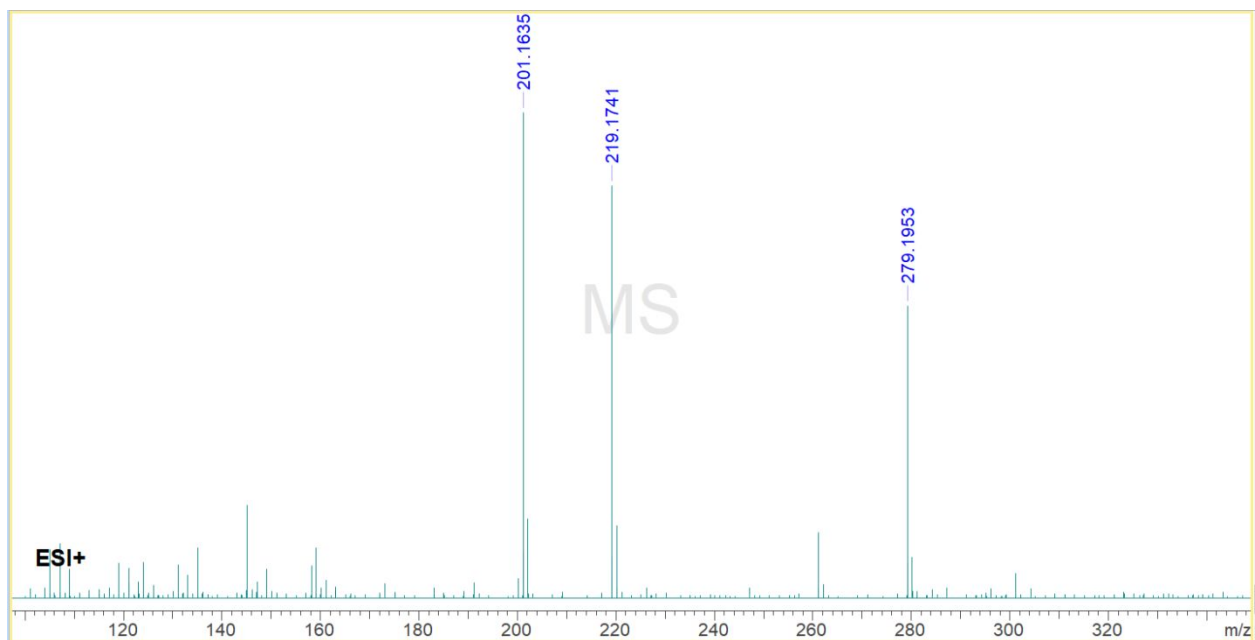


Figure S38: Crannenol D (**4**) HRESIMS.

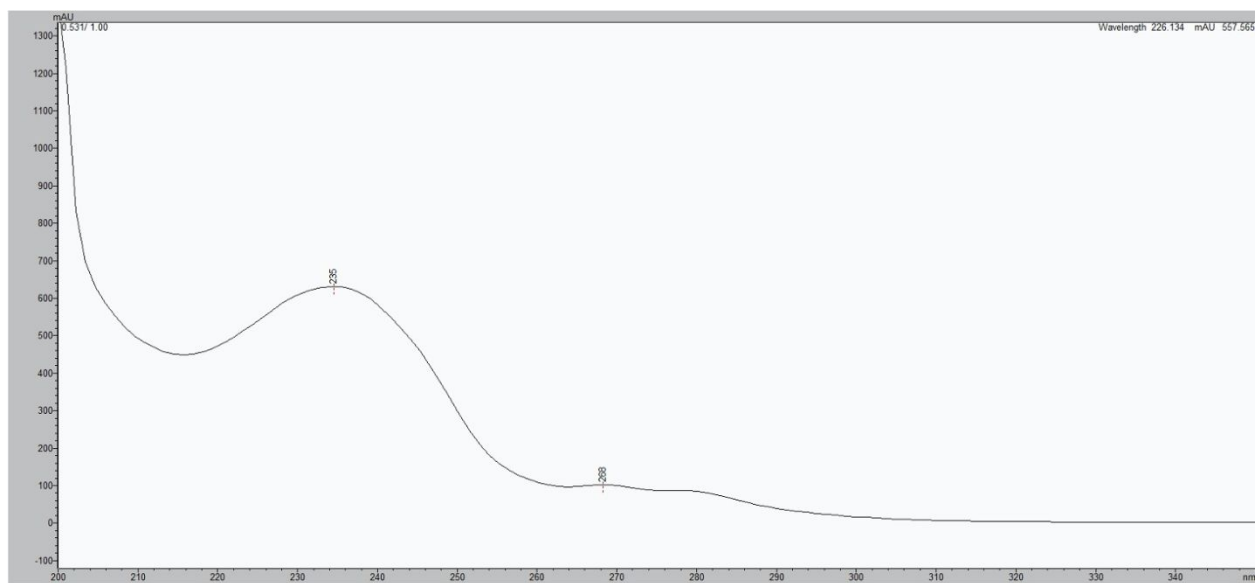


Figure S39: Crannenol D (**4**) UV λ_{\max} (CH₃OH).

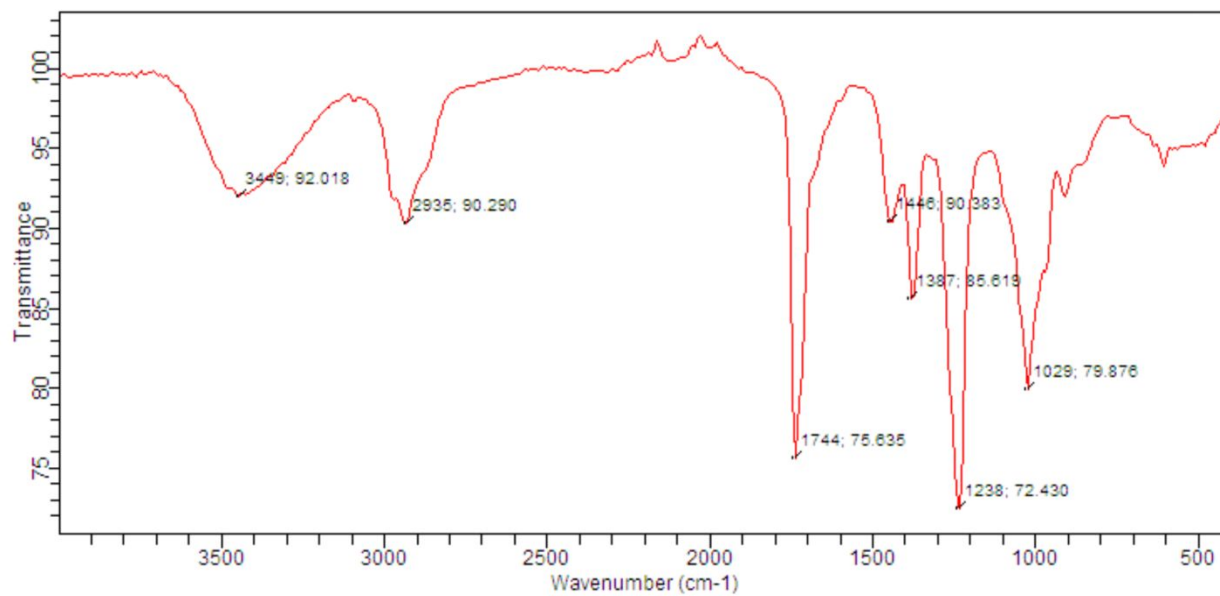


Figure S40: Crannenol D (**4**) IR spectrum (thin film).