

Supporting Information

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Benzodiazepine Derivatives from Marine-Derived

Streptomyces cacaoi 14CM034

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General Experimental Procedures

Mass spectra analysis was obtained on Thermo-Scientific TSQ Quantum Access Max LC-MS/MS equipped with an ESI source. 1D- and 2D (COSY, HMBC, HSQC and NOESY) NMR spectra were recorded on Varian Oxford AS400 spectrometer with TMS as internal standard at room temperature. 2D NMR spectra were run using standard Varian pulse programs.

Column chromatography was carried out on Polyamide 6 (Sigma) and Sephadex LH-20 (GE Healthcare) using analytical grade purity solvents (Merck and Sigma). TLC analyses were carried out on silica gel 60 F254 and RP-C18 F254s (Merck) pre-coated aluminum plates. Fractions were monitored by TLC and visualized by heating plates sprayed with 30% H₂SO₄ in EtOH.

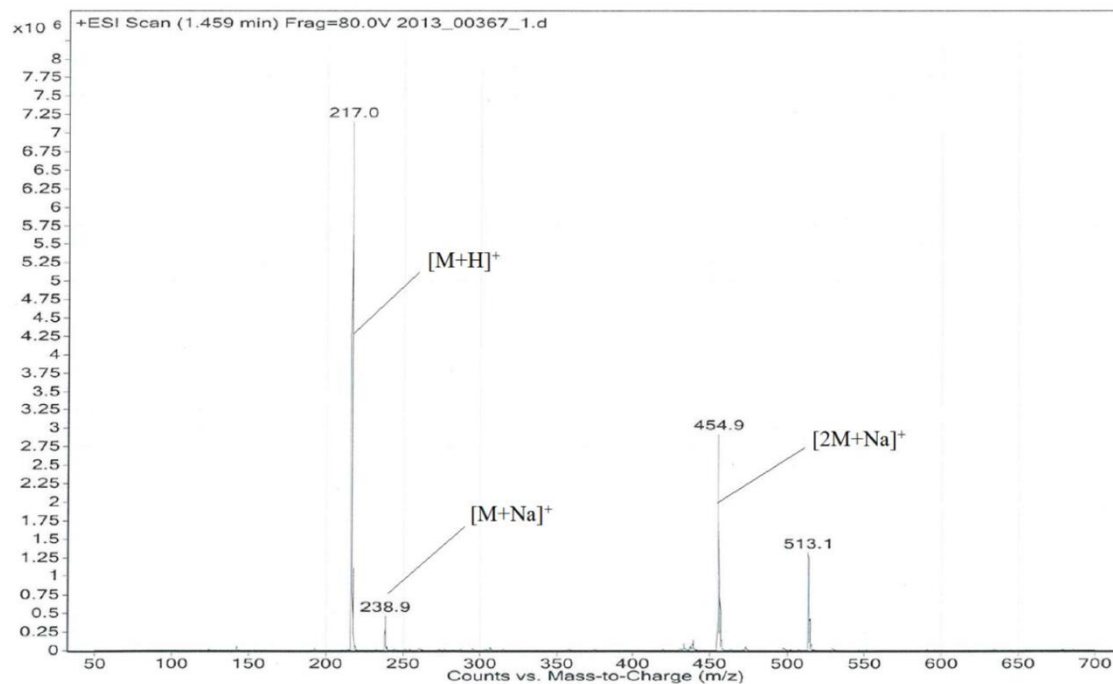


Figure S1: LC-MS Spectrum (+ Mode) of Compound **1**

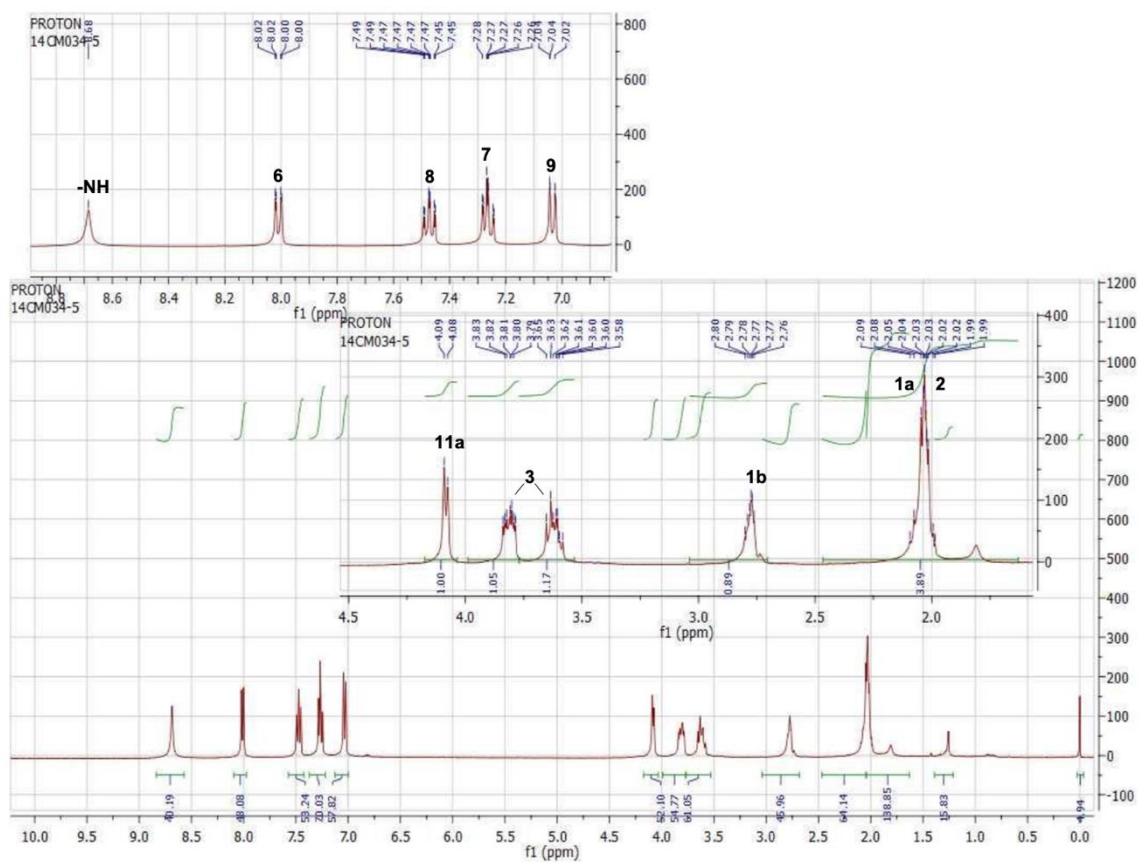


Figure S2: ^1H -NMR (400 MHz, CDCl_3) Spectrum of Compound 1

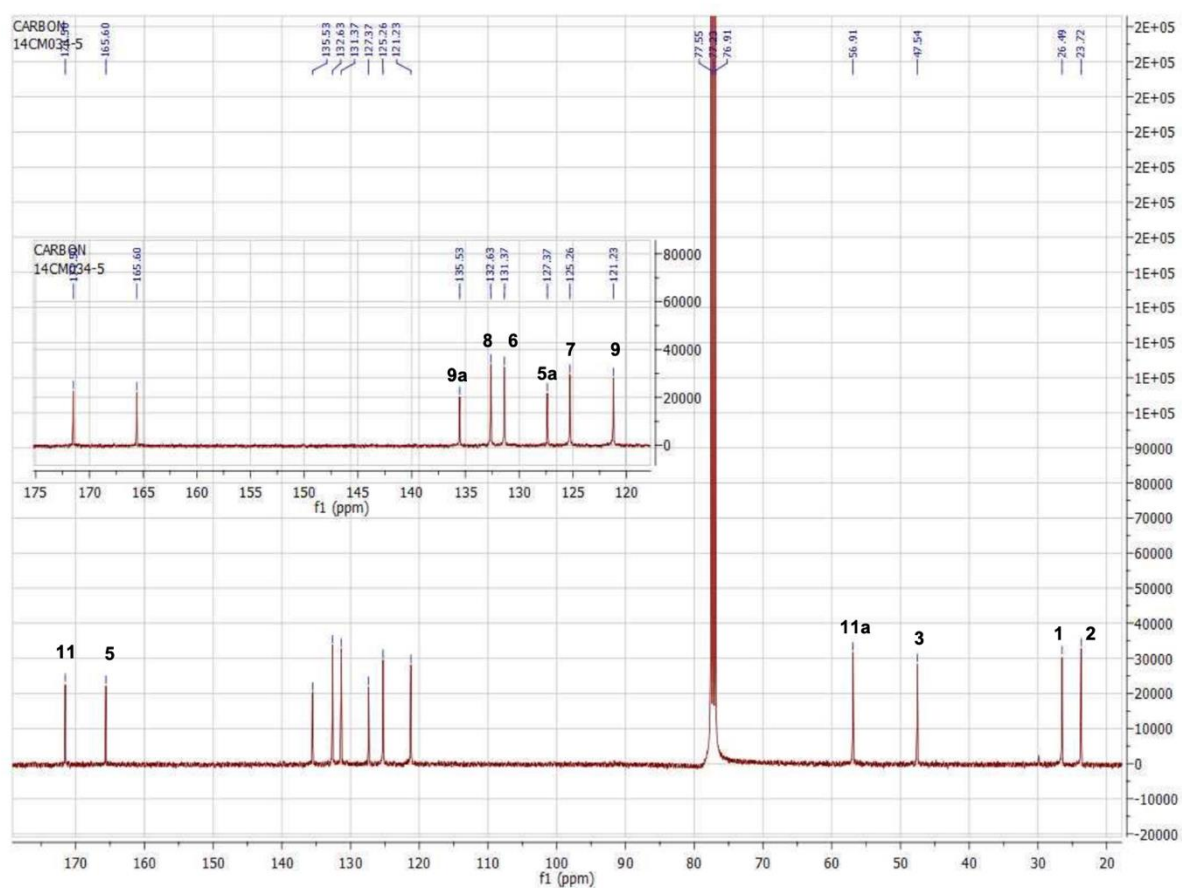


Figure S3: ^{13}C -NMR (100 MHz, CDCl_3) Spectrum of Compound 1

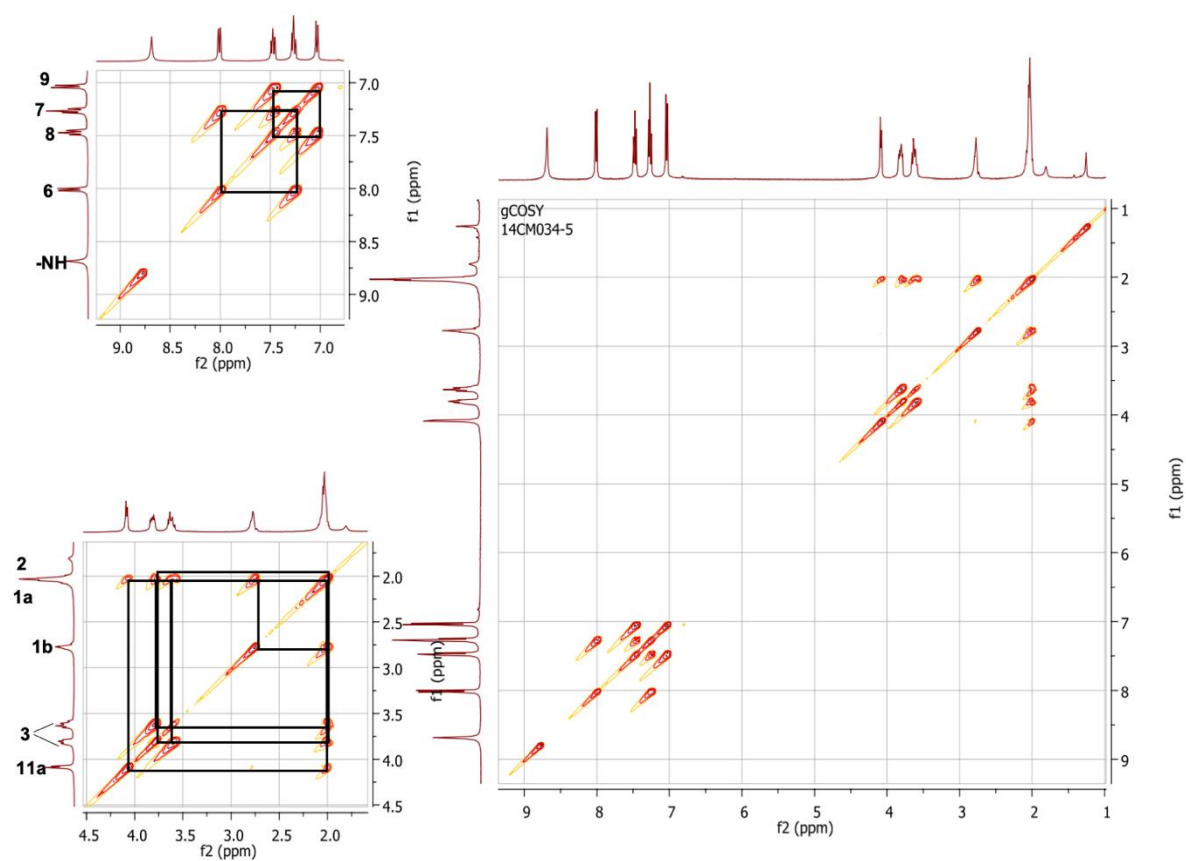


Figure S4: COSY (400 MHz, CDCl₃) Spectrum of Compound **1**

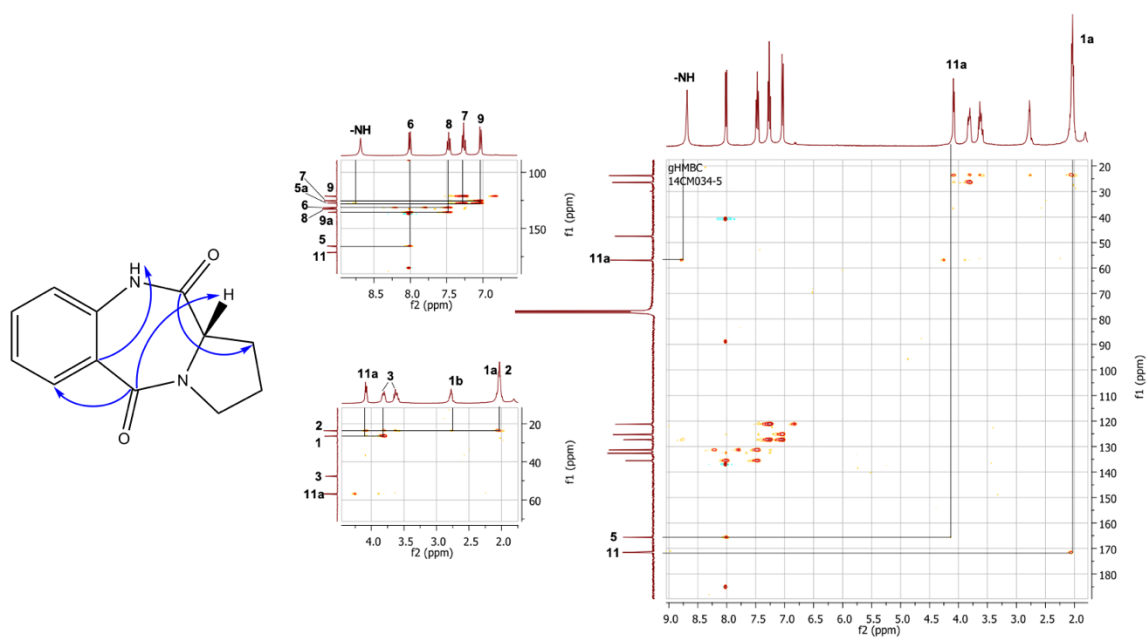


Figure S5: HMBC (400 MHz, CDCl_3) Spectrum of Compound **1**

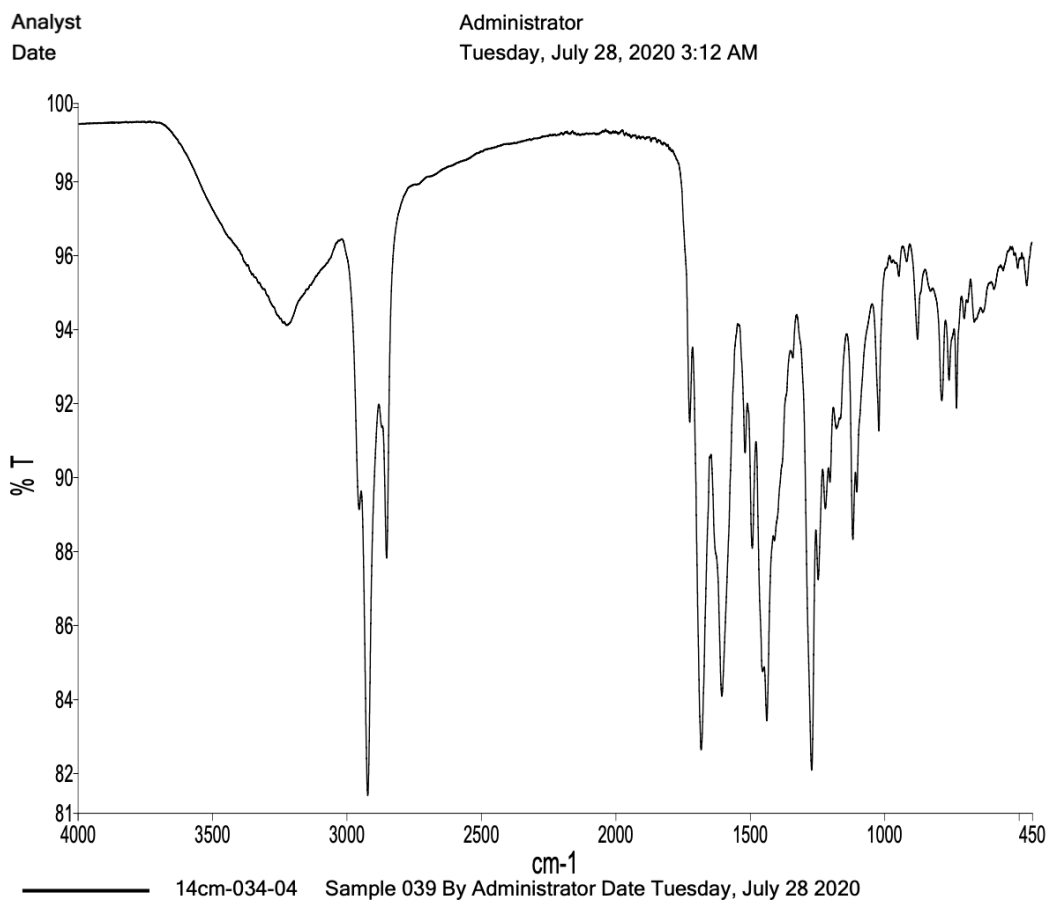


Figure S6: FT-IR Spectrum of Compound **2**

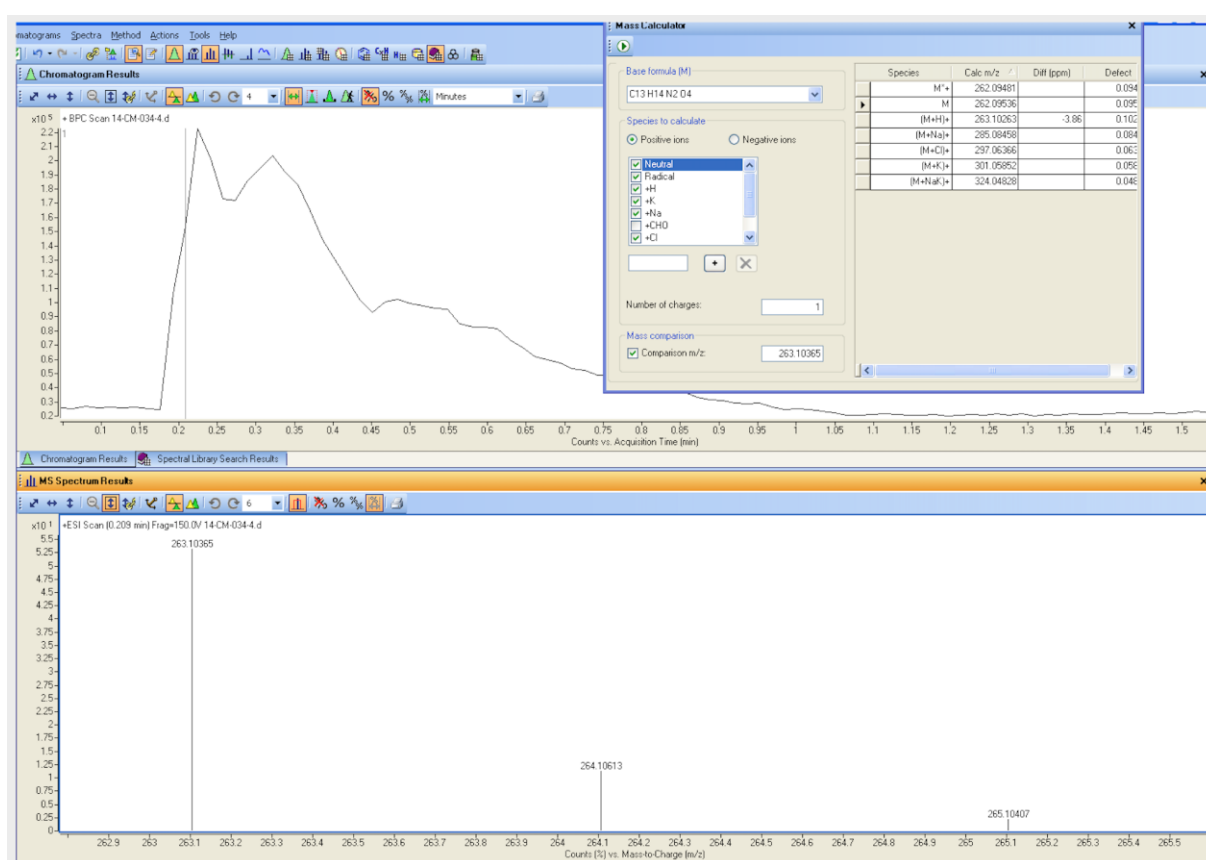
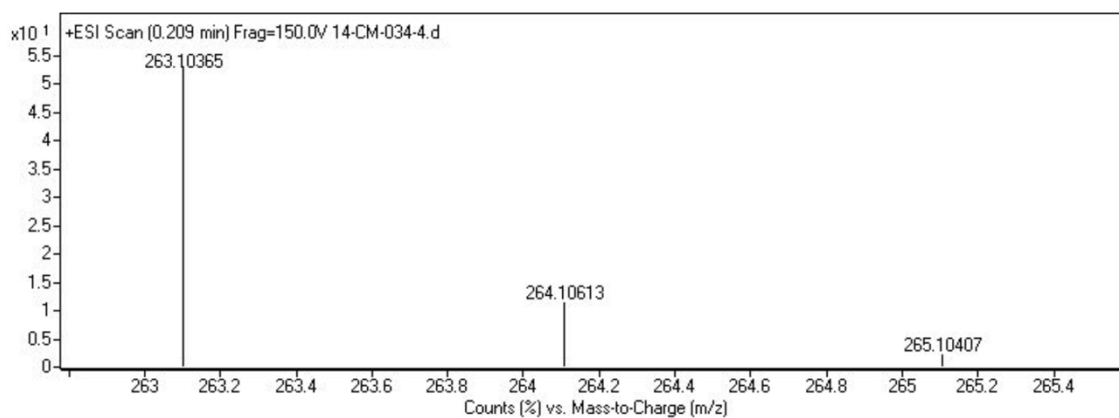


Figure S7: HR-ESI-TOF-MS Spectrum (+ Mode) of Compound 2

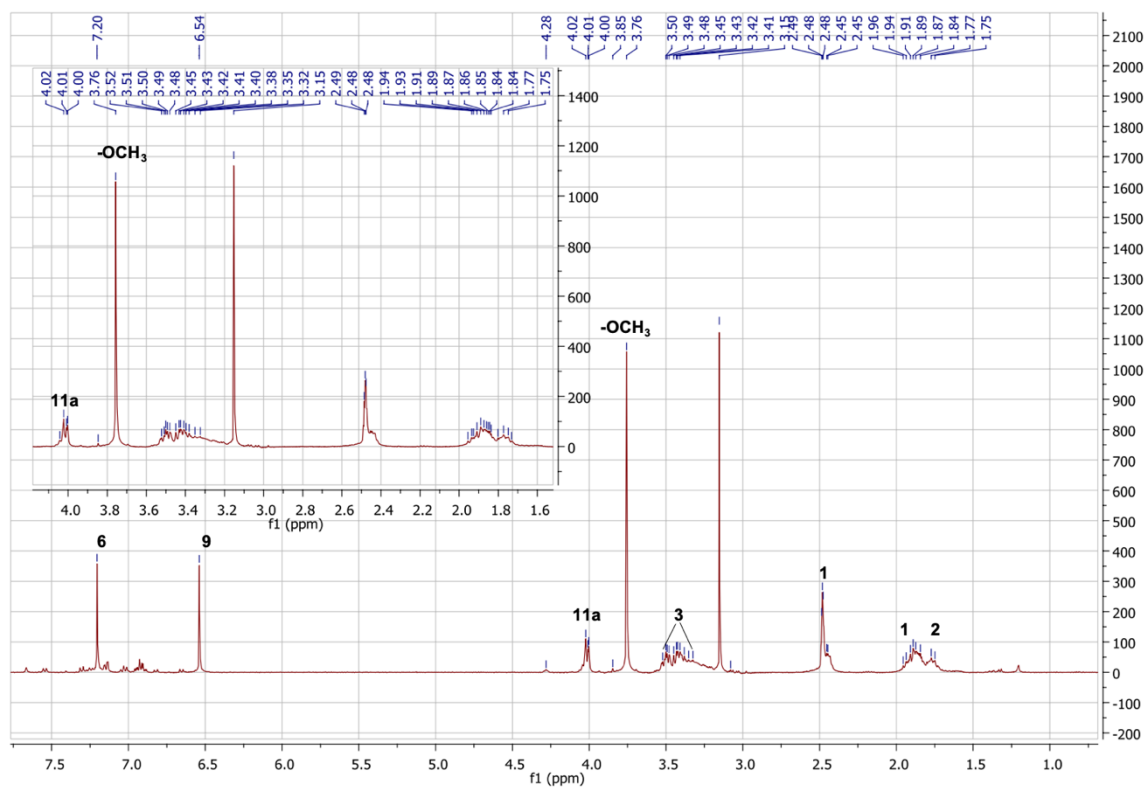


Figure S8: ^1H -NMR (400 MHz, $\text{DMSO}-d_6$) Spectrum of Compound 2

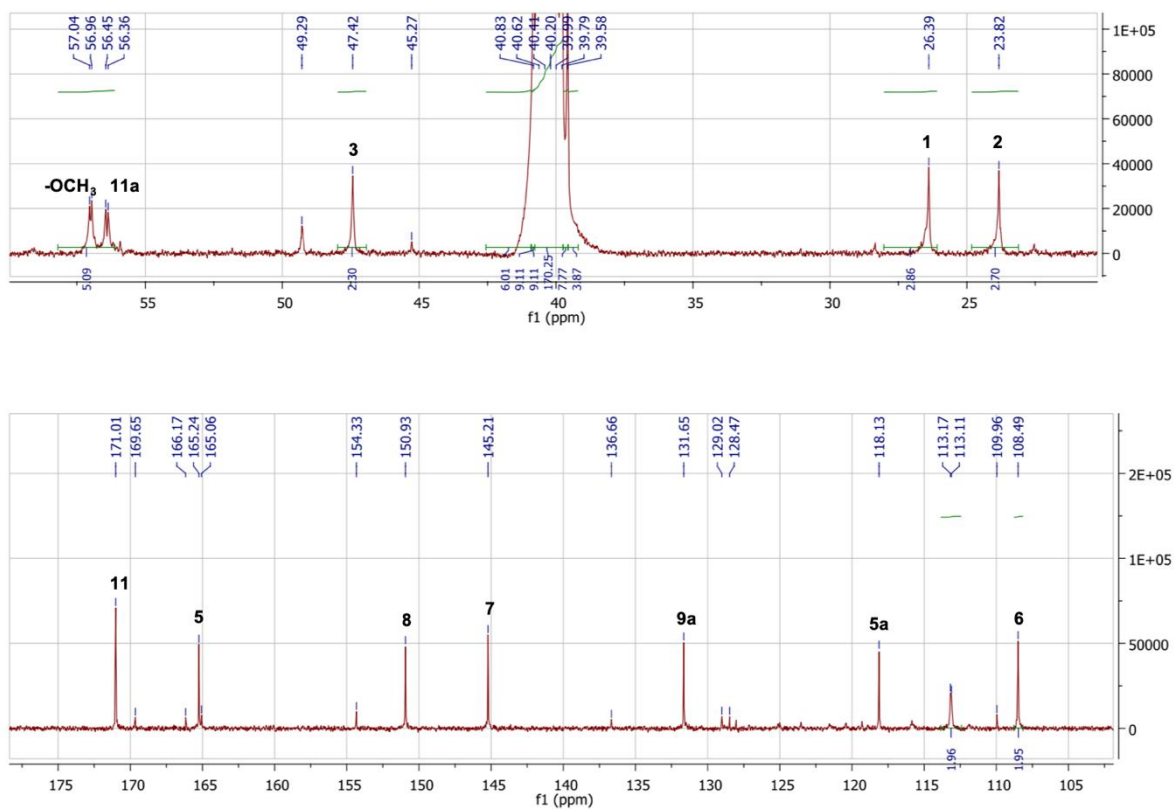


Figure S9: ^{13}C -NMR (100 MHz, $\text{DMSO}-d_6$) Spectrum of Compound 2

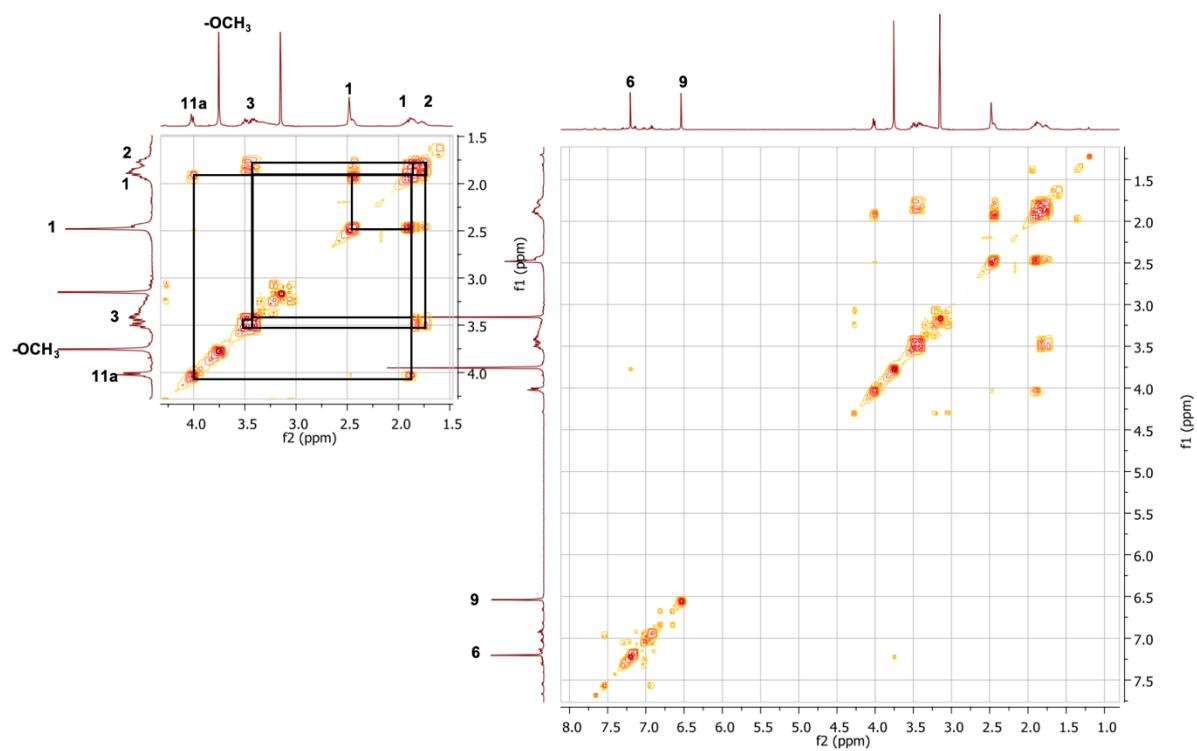


Figure S10: COSY (400 MHz, DMSO-*d*₆) Spectrum of Compound 2

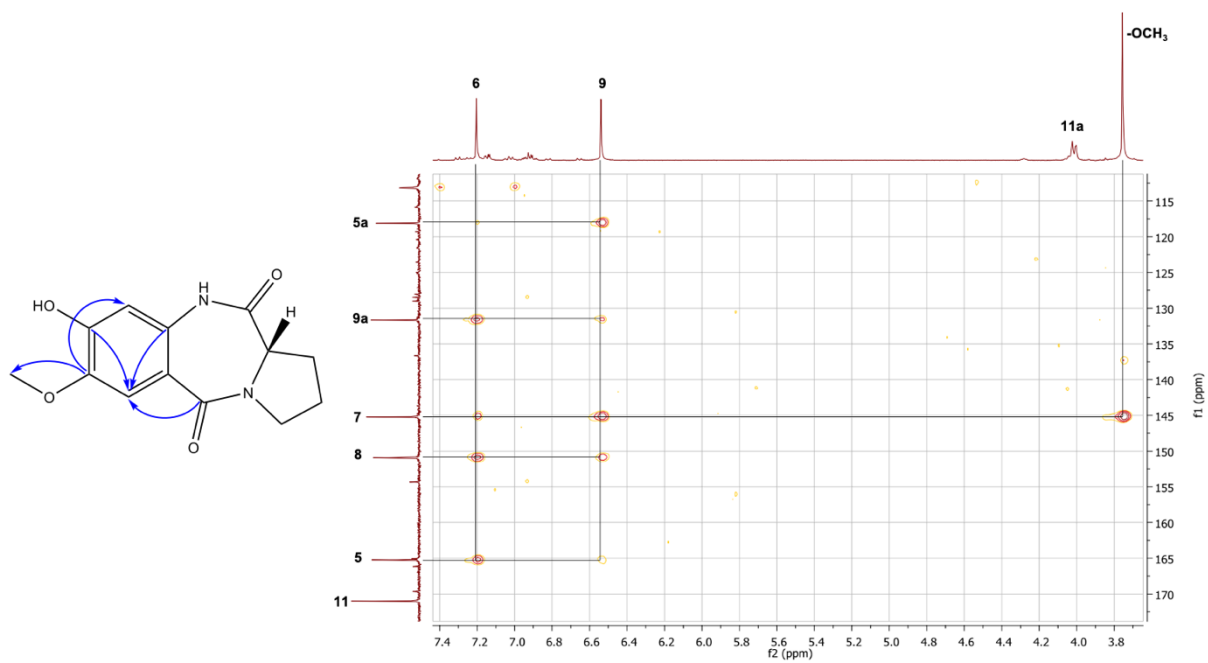


Figure S11: HMBC (400 MHz, DMSO- d_6) Spectrum of Compound **2**

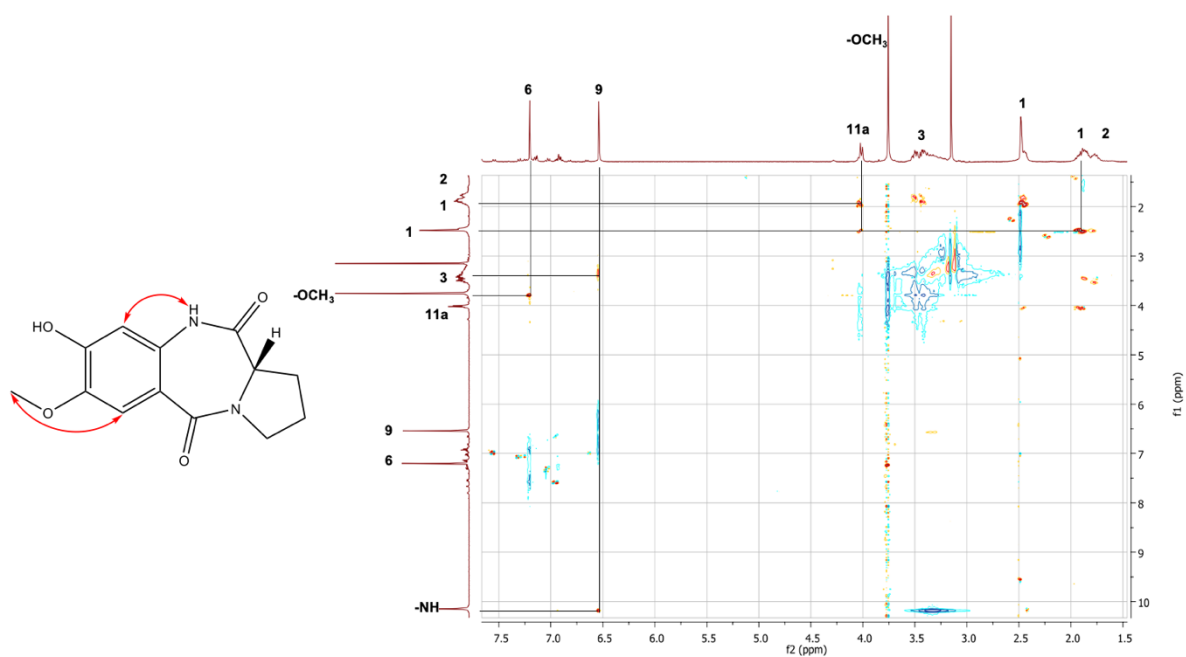


Figure S12: NOESY (400 MHz, DMSO- d_6) Spectrum of Compound 2