

Saponin and Fatty Acid Profiling of the Sea Cucumber *Holothuria atra*, α -Glucosidase Inhibitory Activity and the Identification of a Novel Triterpene Glycoside

Yunita Eka Puspitasari ^{1,2,3,*}, Emmy Tuenter ¹, Kenn Foubert ¹, Herawati Herawati ⁴, Anik Martinah Hariati ⁵, Aulanni'am Aulanni'am ⁶, Luc Pieters ¹, Tess De Bruyne ¹ and Nina Hermans ^{1,*}

SUPPLEMENTARY MATERIALS

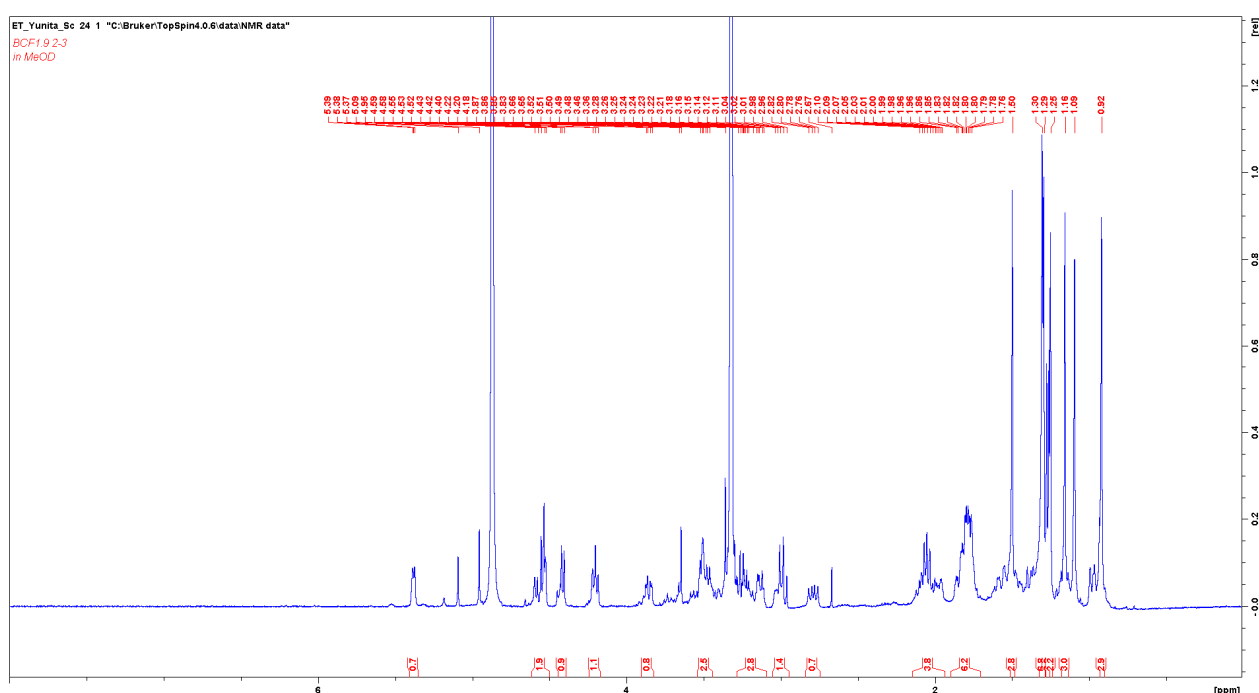


Figure S1. ^1H NMR spectrum of compound **1** (desholothurin B) in CD_3OD .

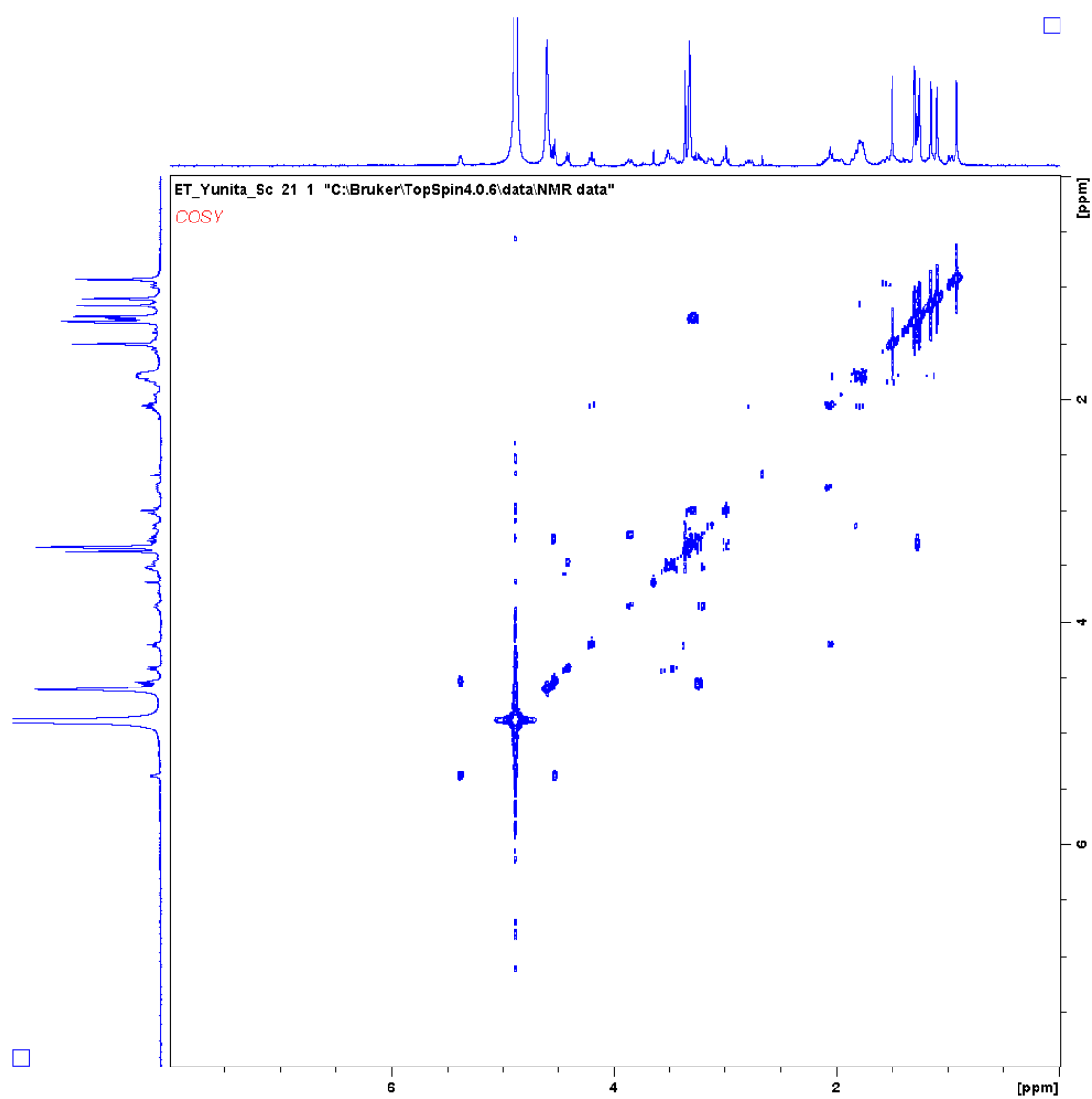


Figure S2. COSY spectrum of compound **1** (desholothurin B) in CD₃OD.

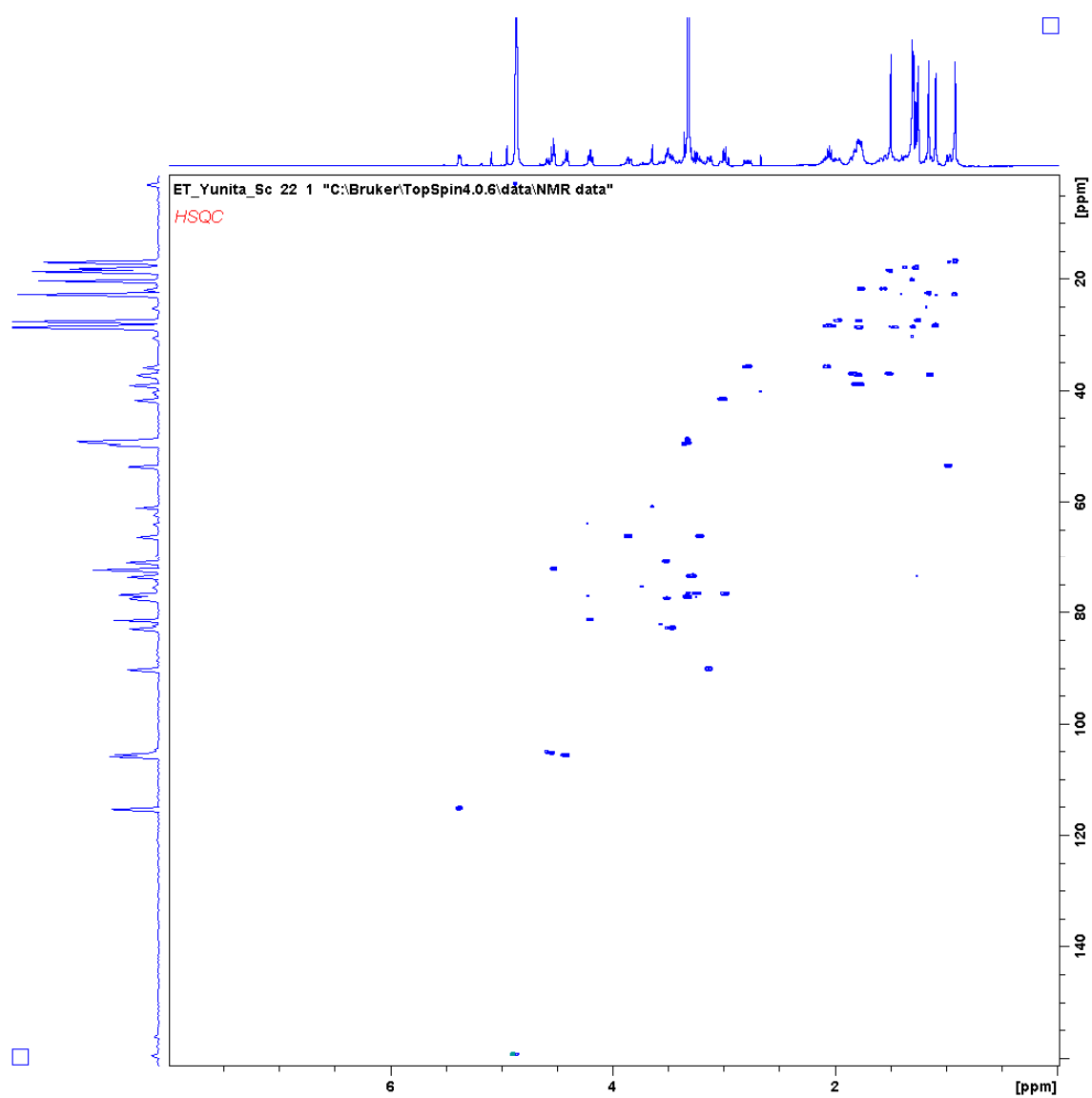


Figure S3. HSQC spectrum of compound **1** (desholothurin B) in CD₃OD.

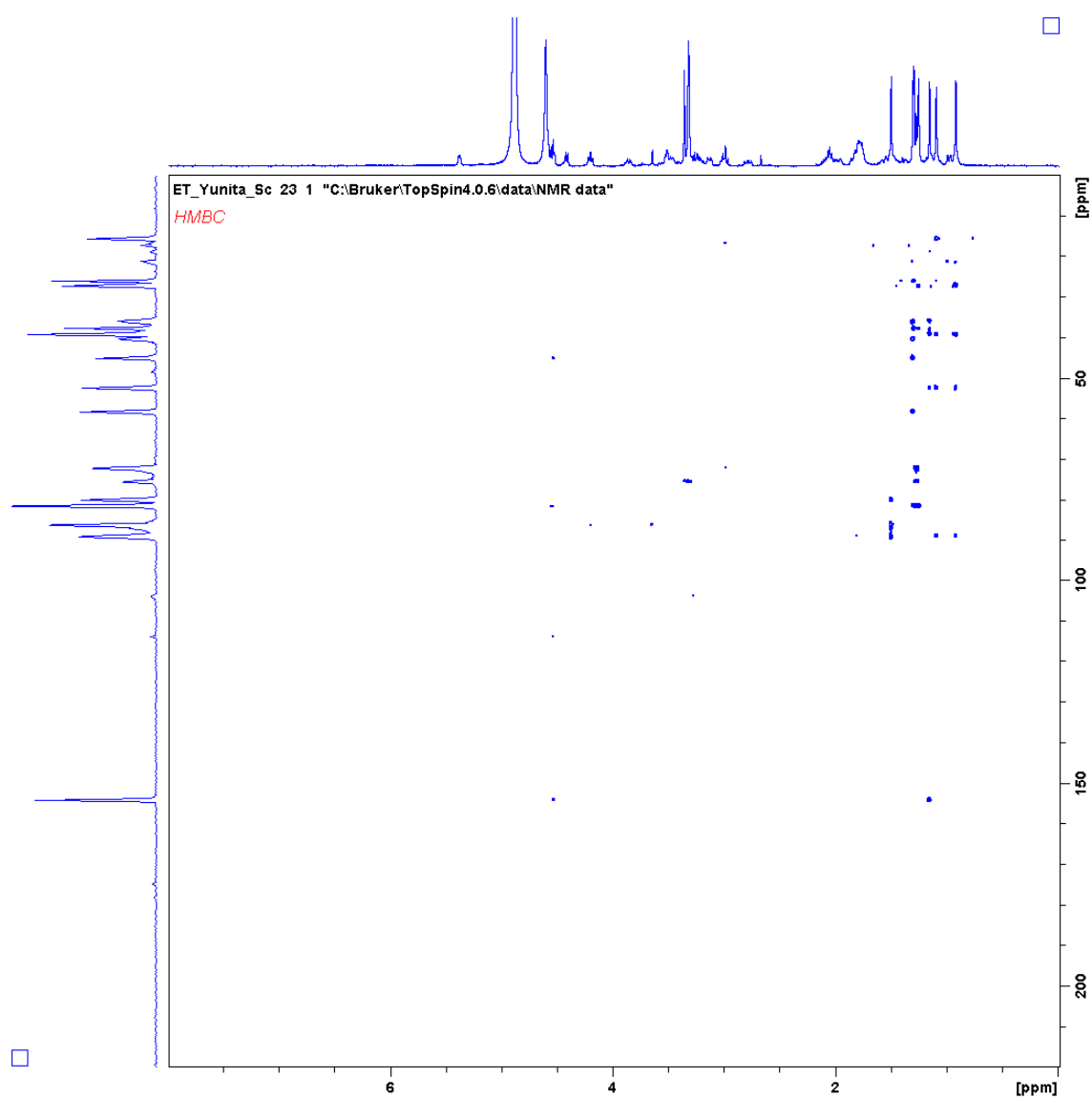


Figure S4. HMBC spectrum of compound **1** (desholothurin B) in CD₃OD.

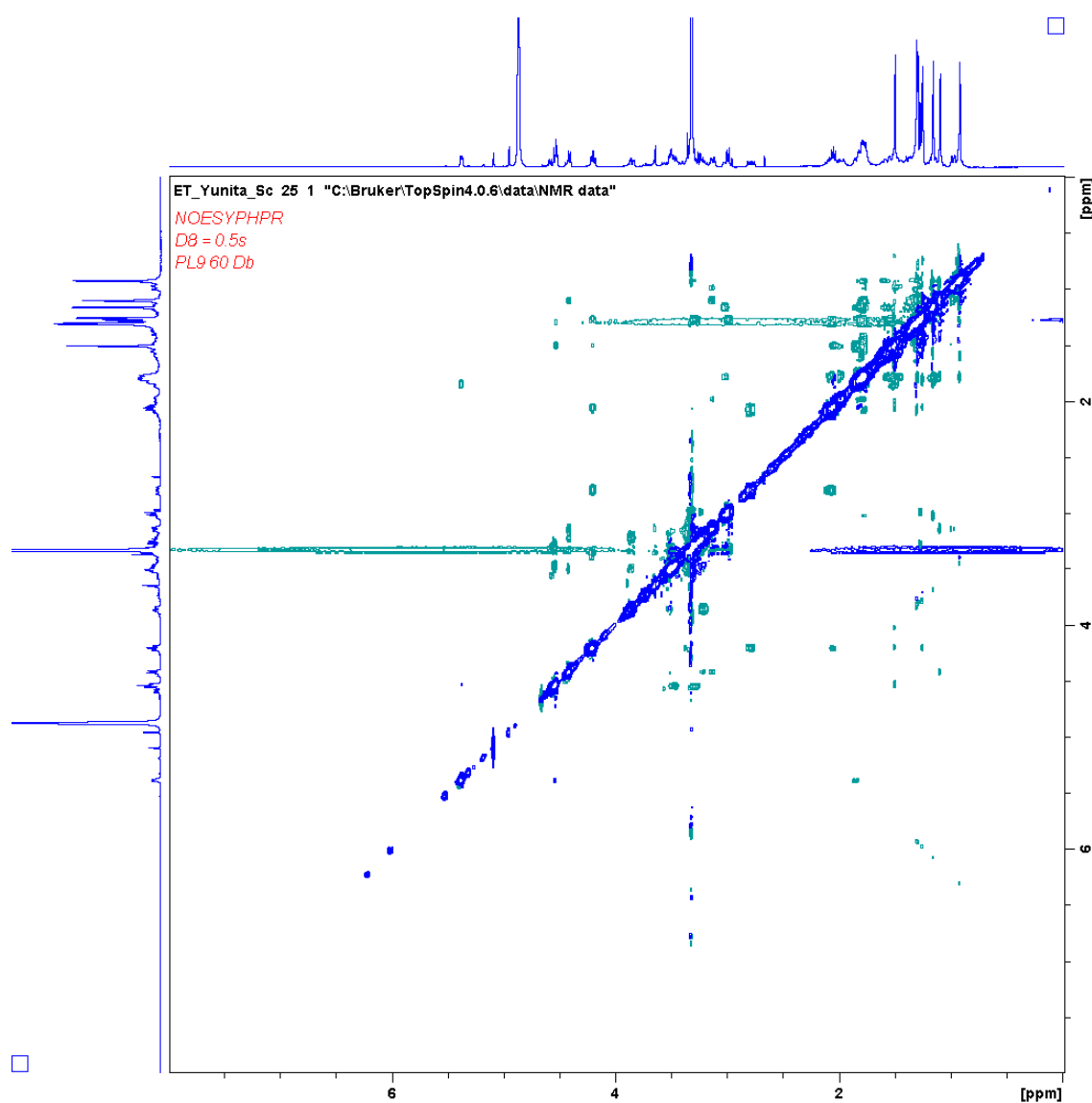


Figure S5. NOESY spectrum of compound **1** (desholothurin B) in CD₃OD

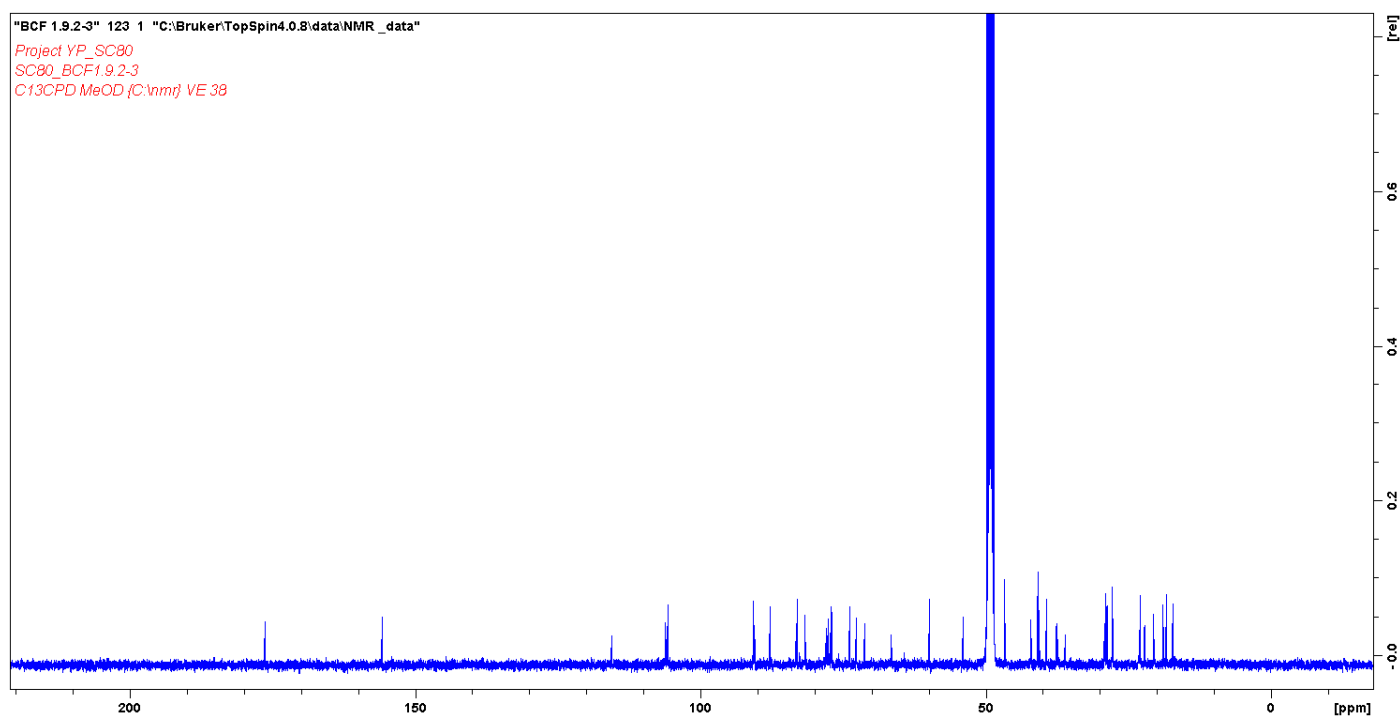
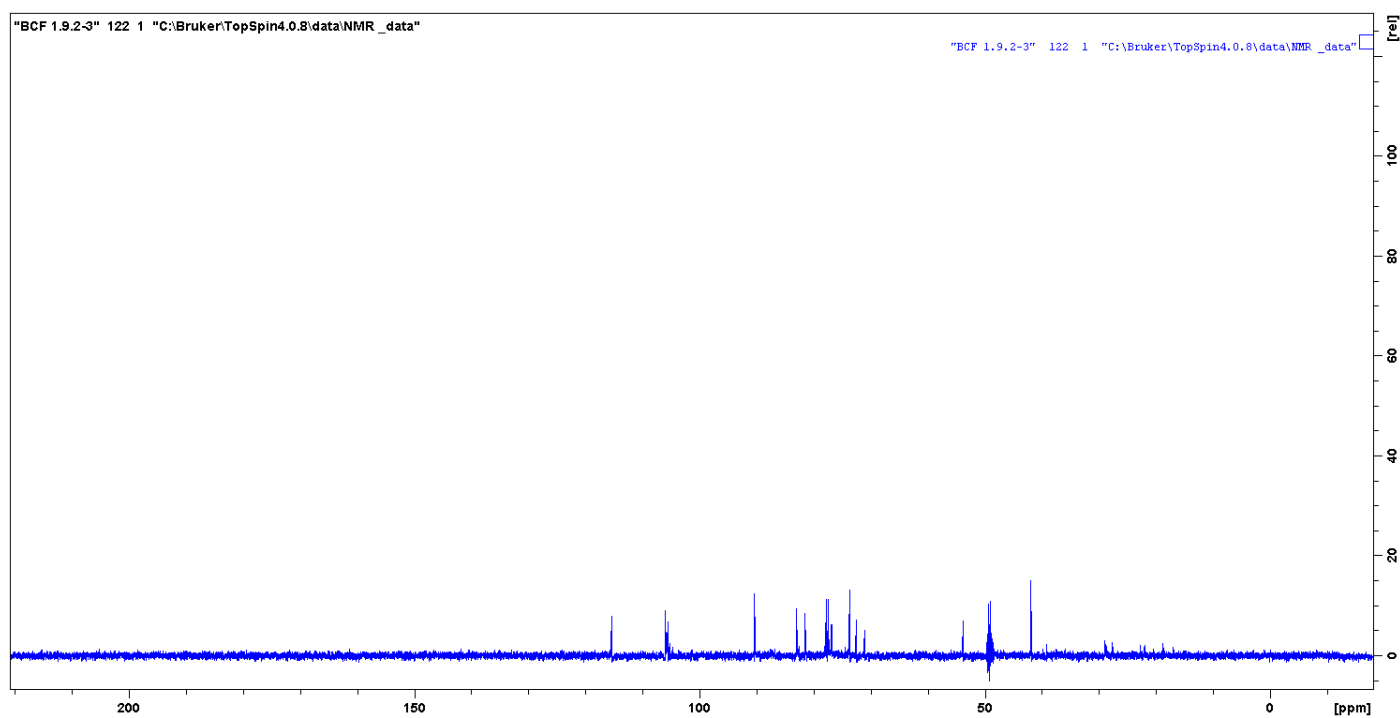


Figure S6. ^{13}C spectrum of compound **1** (desholothurin B) in CD_3OD .



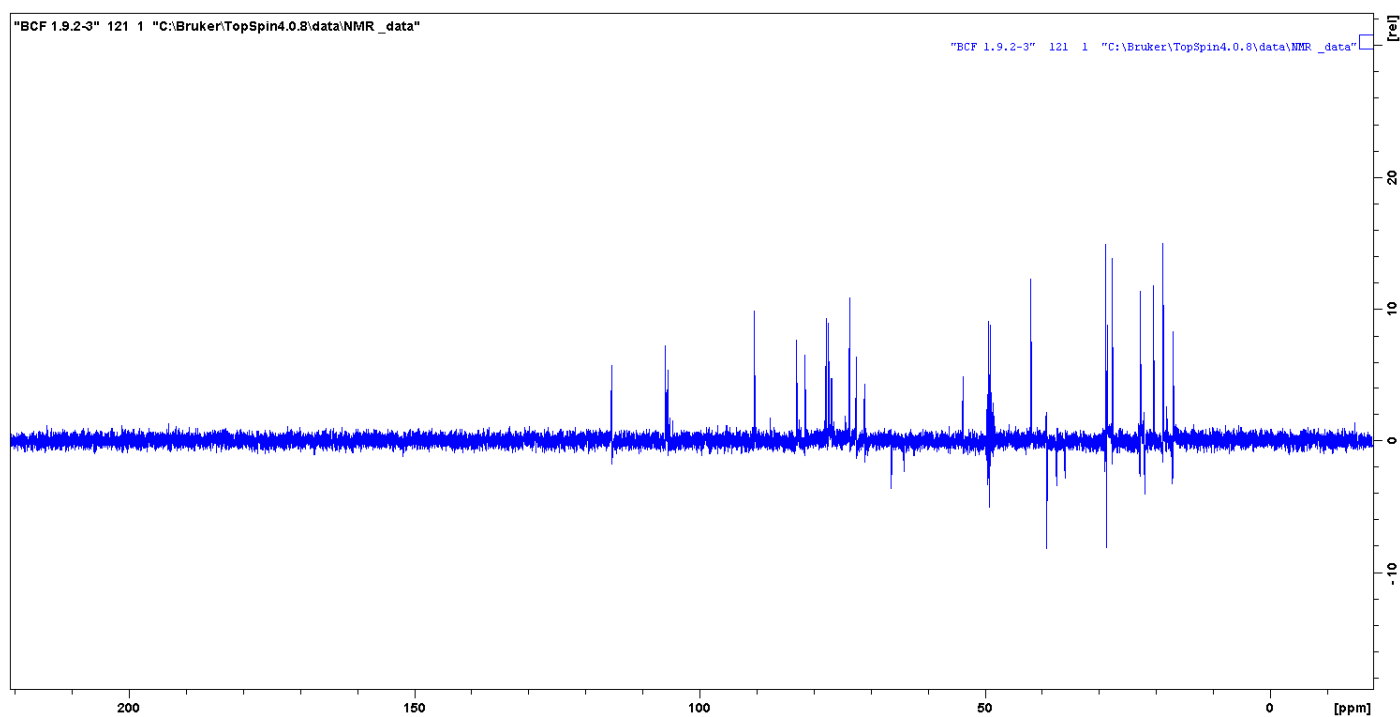


Figure S8. ^{13}C DEPT 135 spectrum of compound **1** (desholothurin B) in CD_3OD .

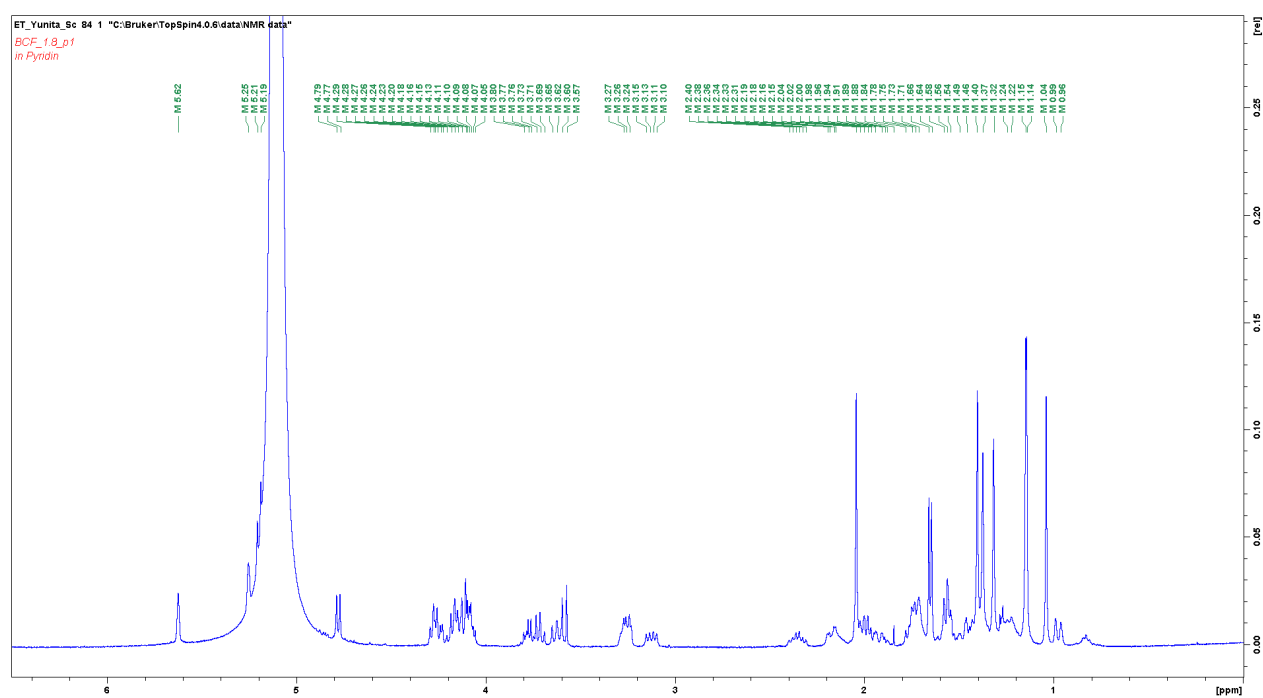


Figure S9. ^1H spectrum of compound 2 (12-*epi*-desholothurin B) in pyridine- d_5 .

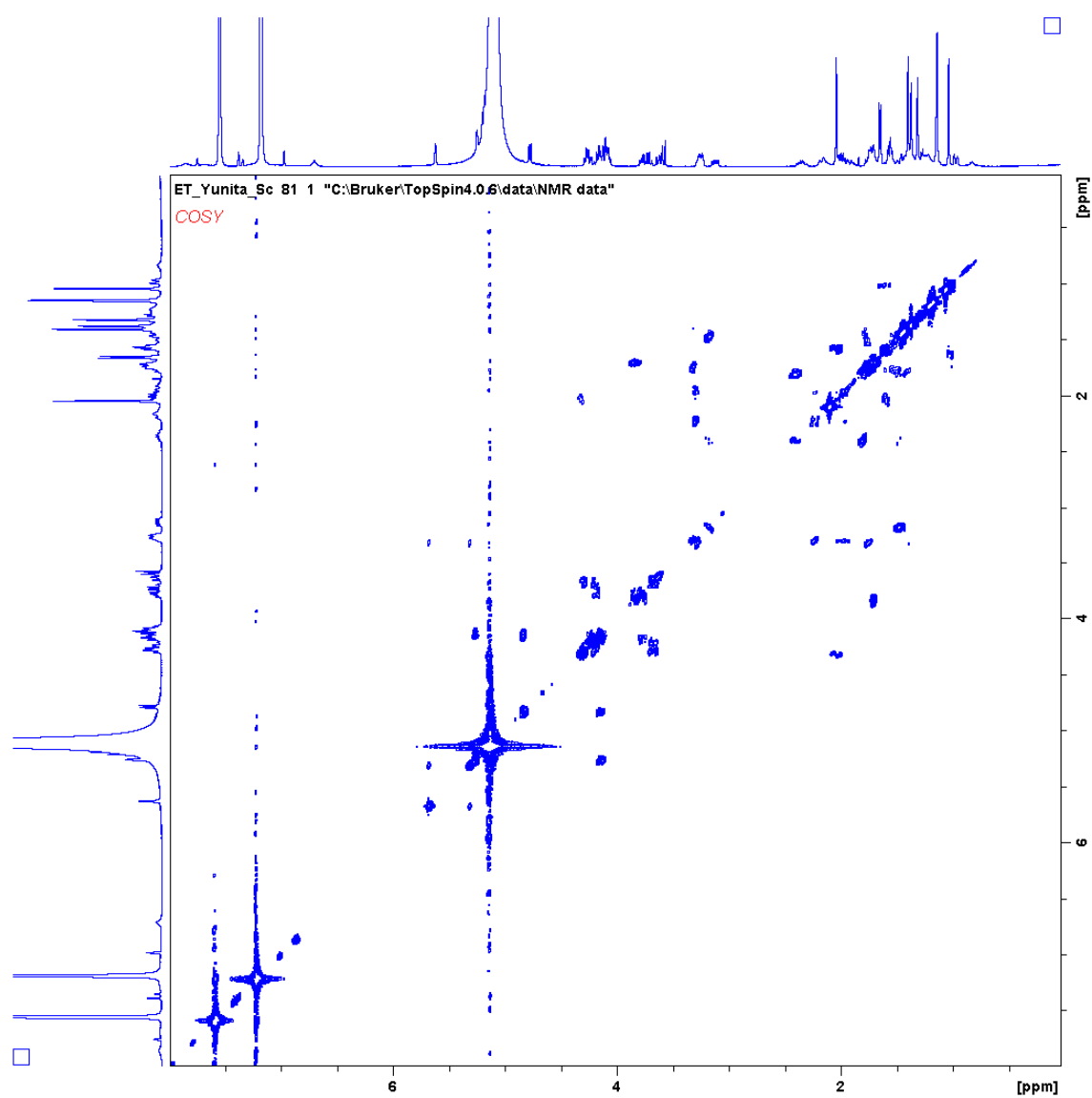


Figure S10. COSY spectrum of compound **2** (12-*epi*-desholothurin B) in pyridine-*d*₅.

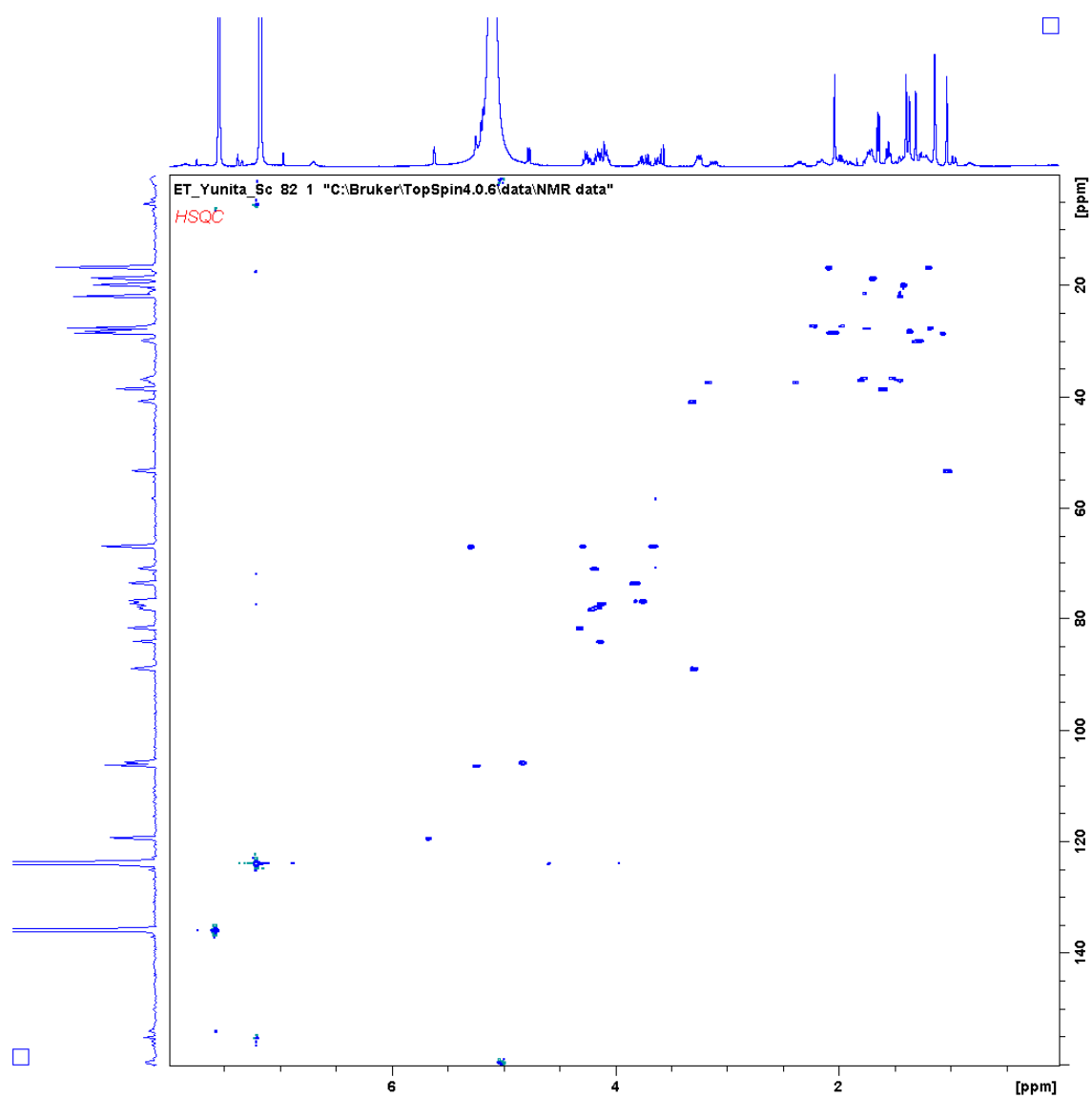


Figure S11. HSQC spectrum of compound **2** (12-*epi*-desholothurin B) in pyridine-*d*₅.

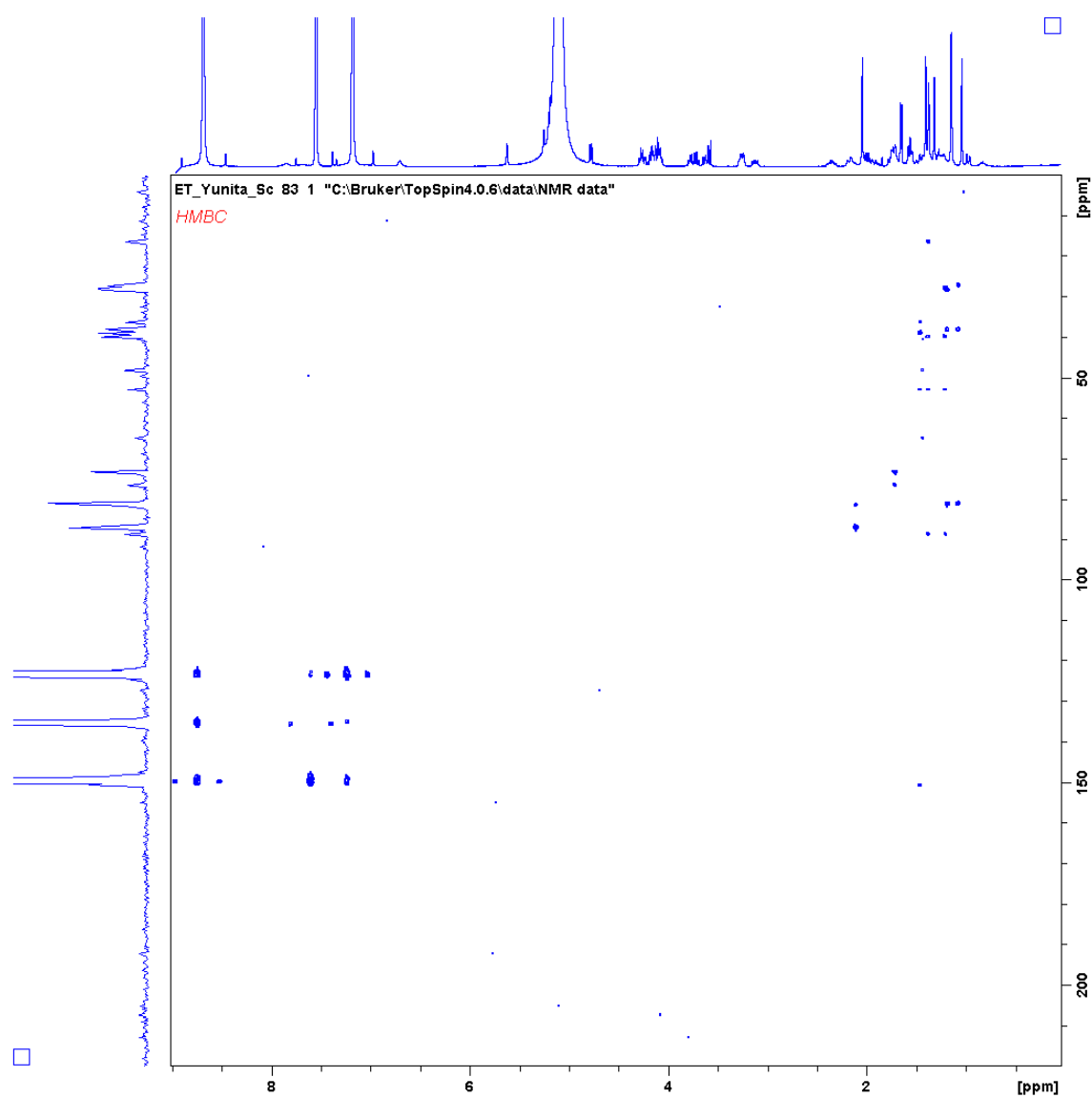


Figure S12. HMBC spectrum of compound **2** (12-*epi*-desholothurin B) in pyridine-*d*₅.

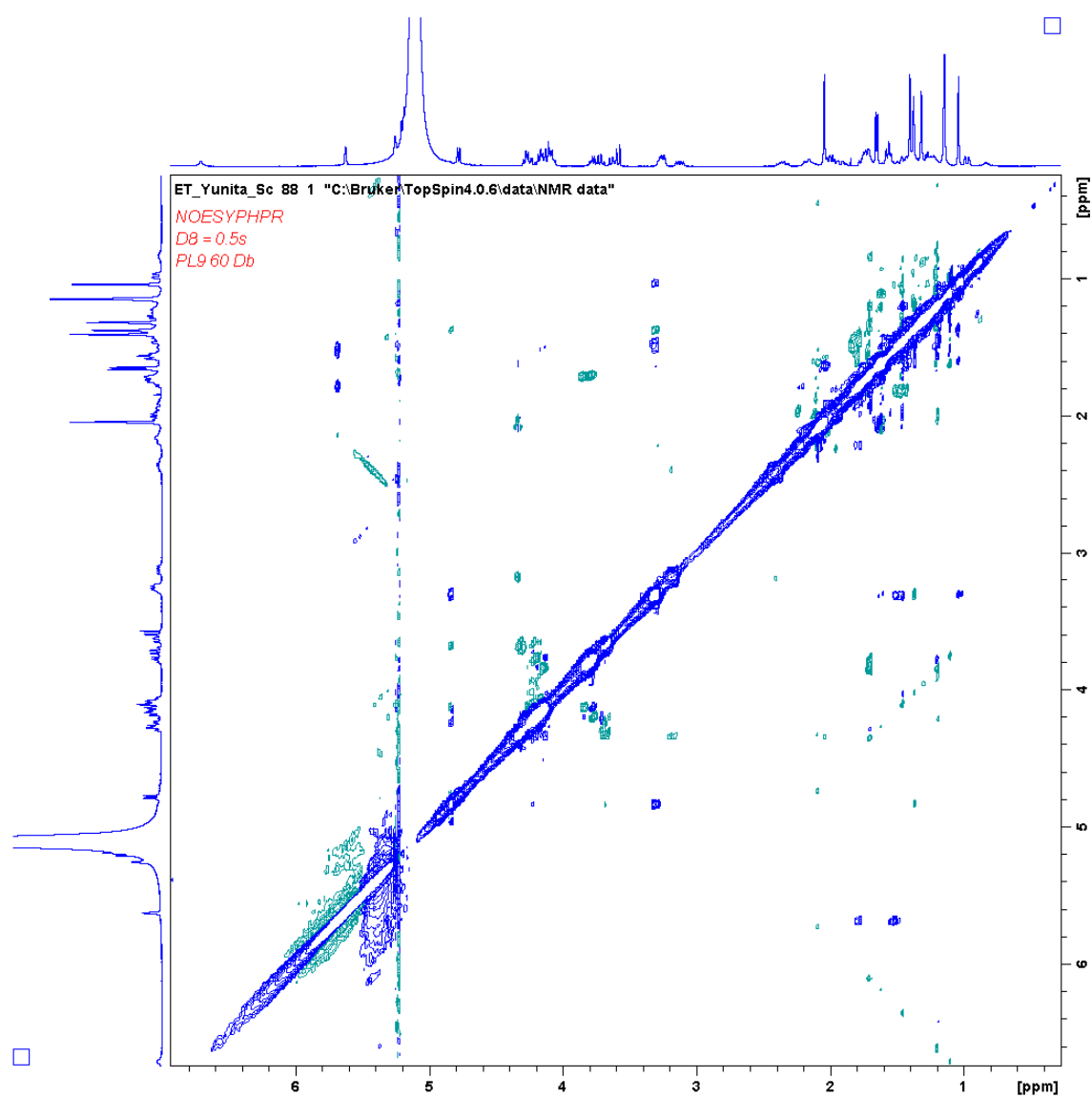


Figure S13. NOESY spectrum of compound **2** (12-*epi*-desholothurin B) in pyridine-*d*₅.

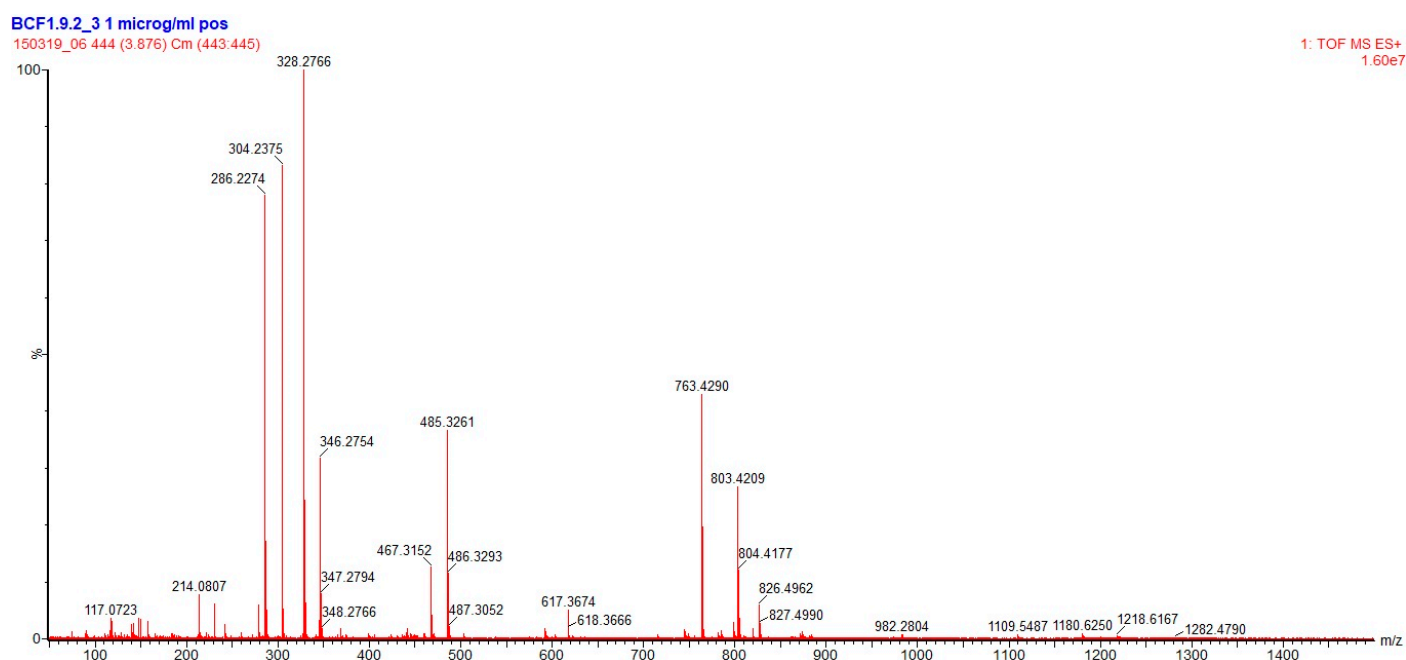


Figure S14. ESI+ HRMS spectrum of compound 1 (desholothurin B).

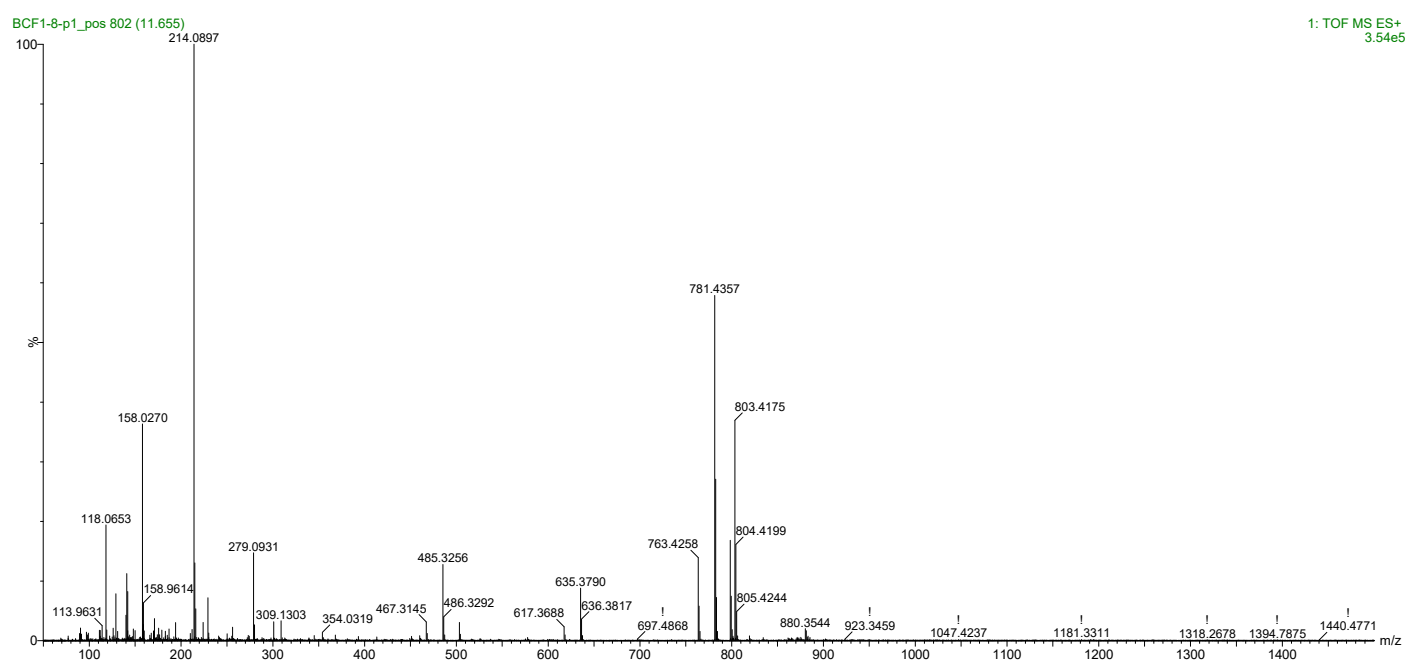


Figure S15. ESI+ HRMS spectrum of compound 2 (12-*epi*-desholothurin B).

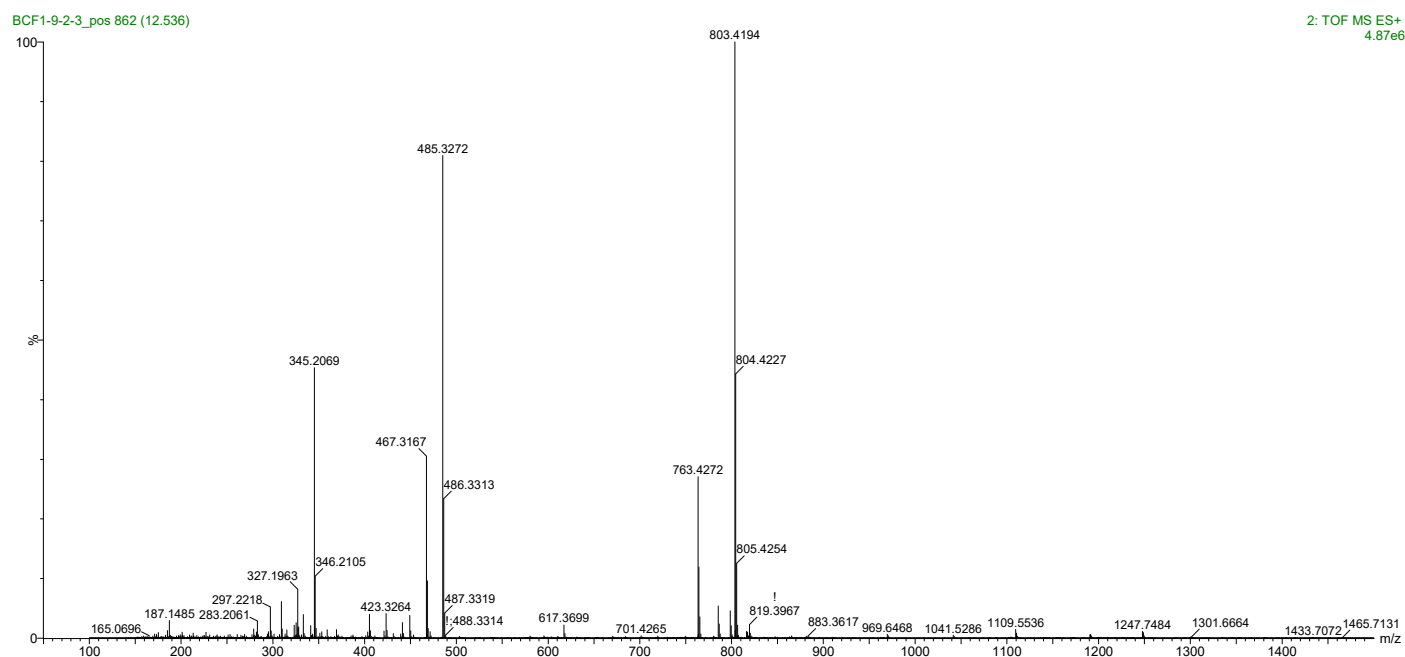


Figure S16. ESI+ HRMS spectrum of fragment ions of compound **1** (desholothurin B).

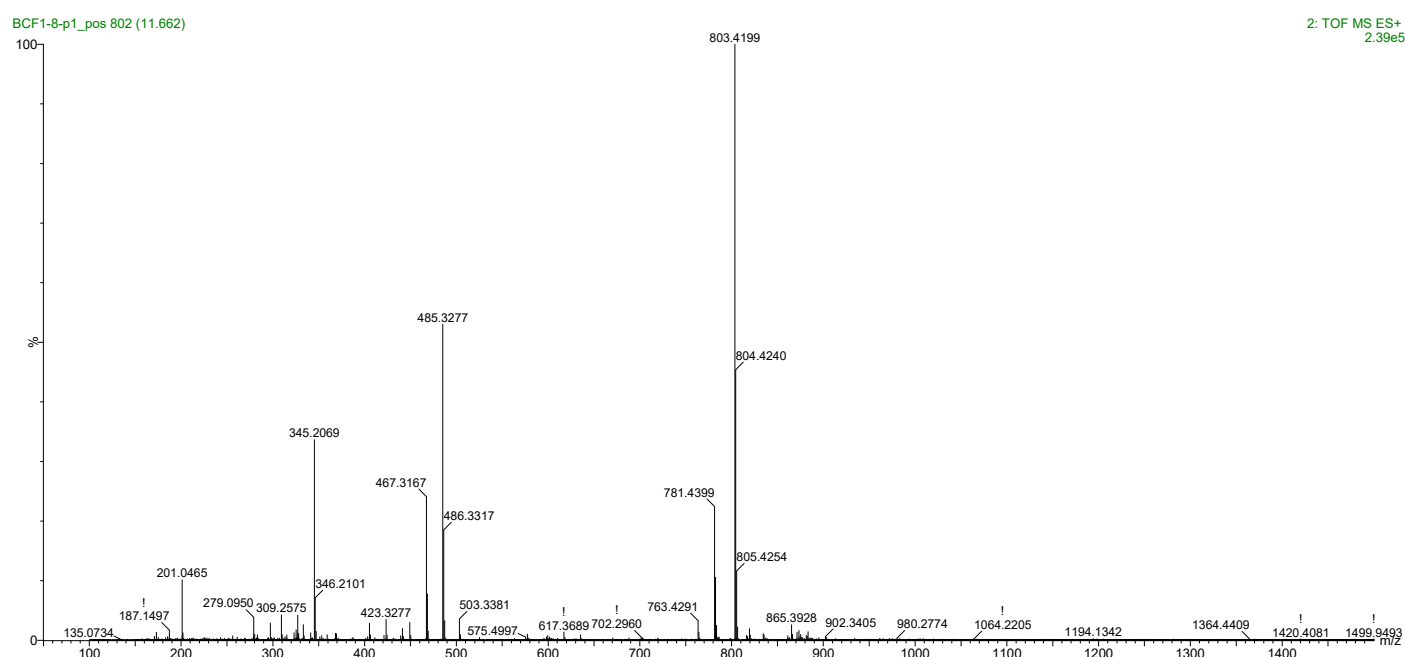


Figure S17. ESI+ HRMS spectrum of fragment ions of compound **2** (12-*epi*-desholothurin B).