

SUPPLEMENTARY MATERIAL

Phytochemical Analysis of *Anvillea garcinii* Leaves: Identification of Garcinamines F–H and Their Antiproliferative Activities

Hanan Y. Aati¹, Shagufta Perveen^{1*}, Raha Orfali¹, Areej M. Al-Taweel¹, Jiangnan Peng², Sobia Tabassum³, Maged S. Abdel-Kader⁴, Hasan Soliman Yusufoglu⁴ and Orazio Tagliatalata-Scafati⁵

¹Department of Pharmacognosy, College of Pharmacy, King Saud University. P. O. Box 22452, Riyadh 11495, Kingdom of Saudi Arabia;

²Department of Chemistry, School of Computer, Mathematical and Natural Sciences, Morgan State University, Baltimore, M D, 21251, USA;

³Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS University Islamabad, Lahore Campus, Pakistan;

⁴Department of Pharmacognosy, College of Pharmacy, Prince Sattam Bin Abdulaziz University, P.O. Box 173, Al-Kharj 11942, Saudi Arabia;

⁵Department of Pharmacy, School of Medicine and Surgery, University of Naples Federico II, Via Montesano 49, 80131 Naples, Italy;

Figure S1. ¹³C NMR Spectra of Compound **1** in CD₃OD.

Figure S2. DEPT-135 NMR Spectra of Compound **1** in CD₃OD.

Figure S3. ¹H NMR Spectra of Compound **1** in CD₃OD.

Figure S4. HSQC Spectra of Compound **1** in CD₃OD.

Figure S5. HMBC Spectra of Compound **1** in CD₃OD.

Figure S6. COSY of Compound **1** in CD₃OD.

Figure S7. ¹³C NMR Spectra of Compound **2** in CD₃OD.

Figure S8. DEPT-135 NMR Spectra of Compound **2** in CD₃OD.

Figure S9. ¹H NMR Spectra of Compound **2** in CD₃OD.

Figure S10. HSQC Spectra of Compound **2** in CD₃OD.

Figure S11. HMBC Spectra of Compound **2** in CD₃OD.

Figure S12. COSY of Compound **2** in CD₃OD.

Figure S13. ¹³C NMR Spectra of Compound **3** in CD₃OD.

Figure S14. DEPT-135 NMR Spectra of Compound **3** in CD₃OD.

Figure S15. ¹H NMR Spectra of Compound **3** in CD₃OD.

Figure S16. HSQC Spectra of Compound **3** in CD₃OD.

Figure S17. HMBC Spectra of Compound **3** in CD₃OD.

Figure S18. COSY of Compound **3** in CD₃OD.

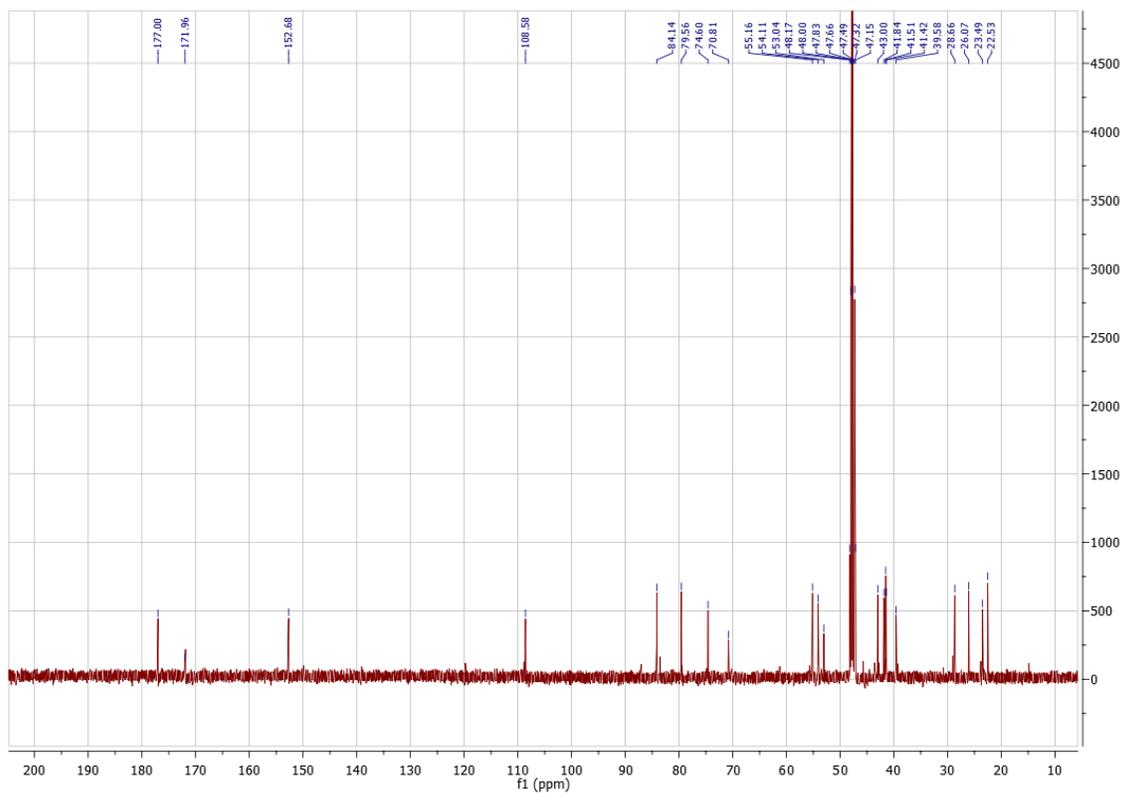


Figure S1. ^{13}C NMR Spectrum of Compound 1 in CD_3OD .

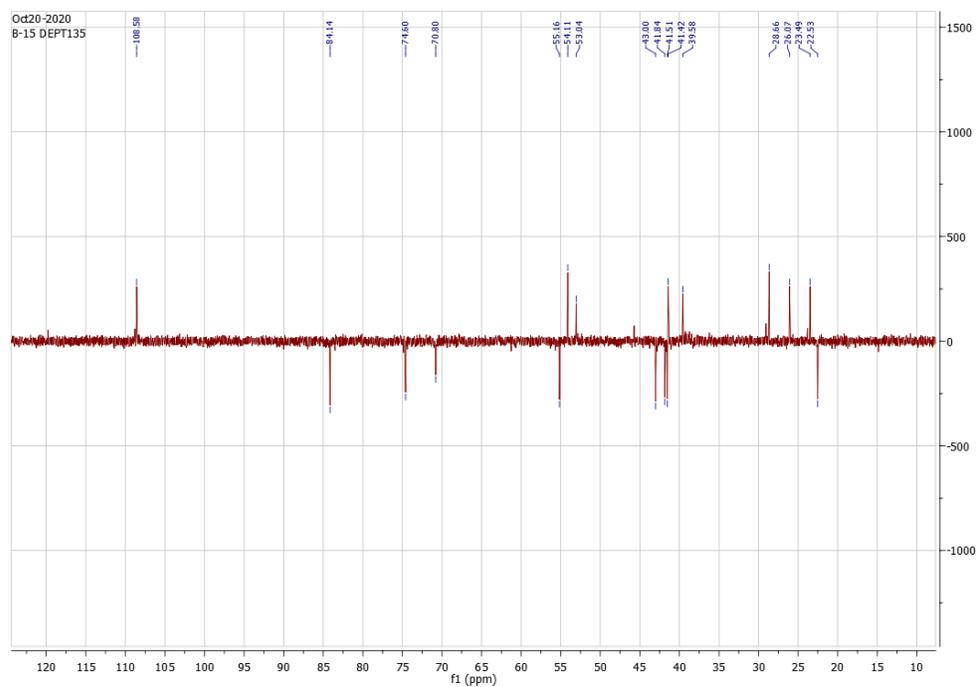


Figure S2. DEPT-135 NMR spectrum of compound 1 in CD_3OD .

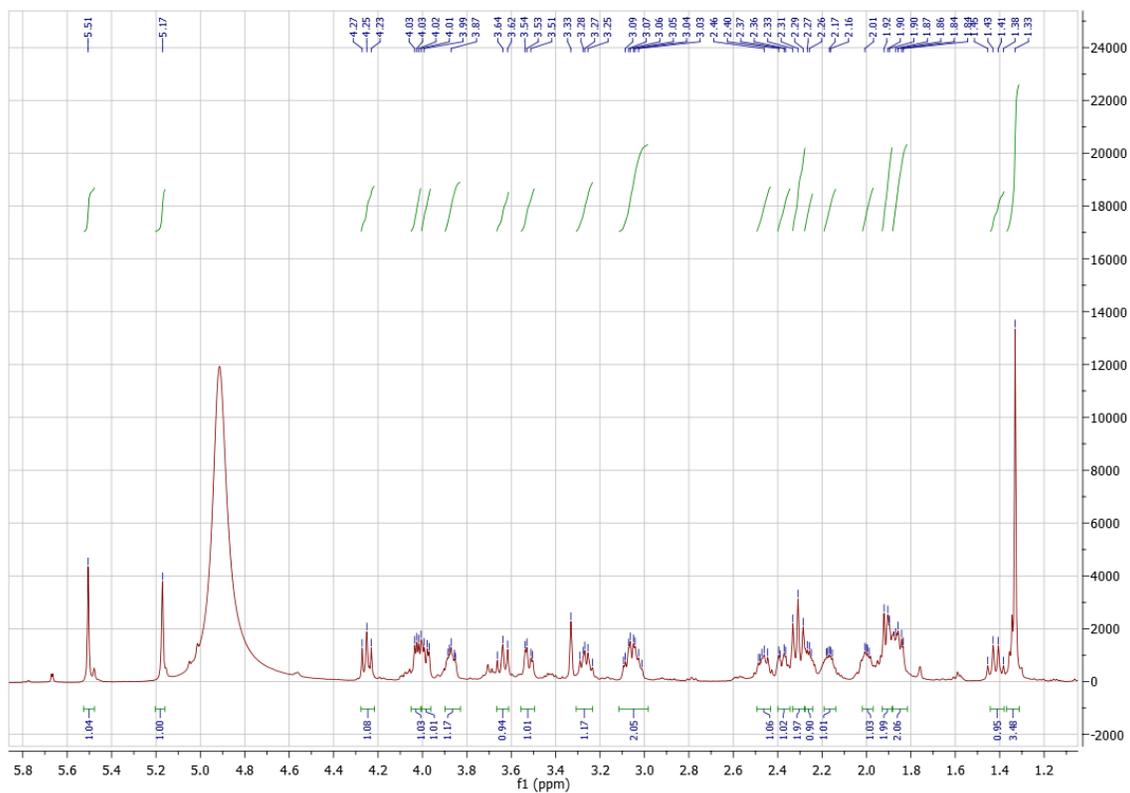


Figure S3. ^1H NMR spectrum of compound **1** in CD_3OD .

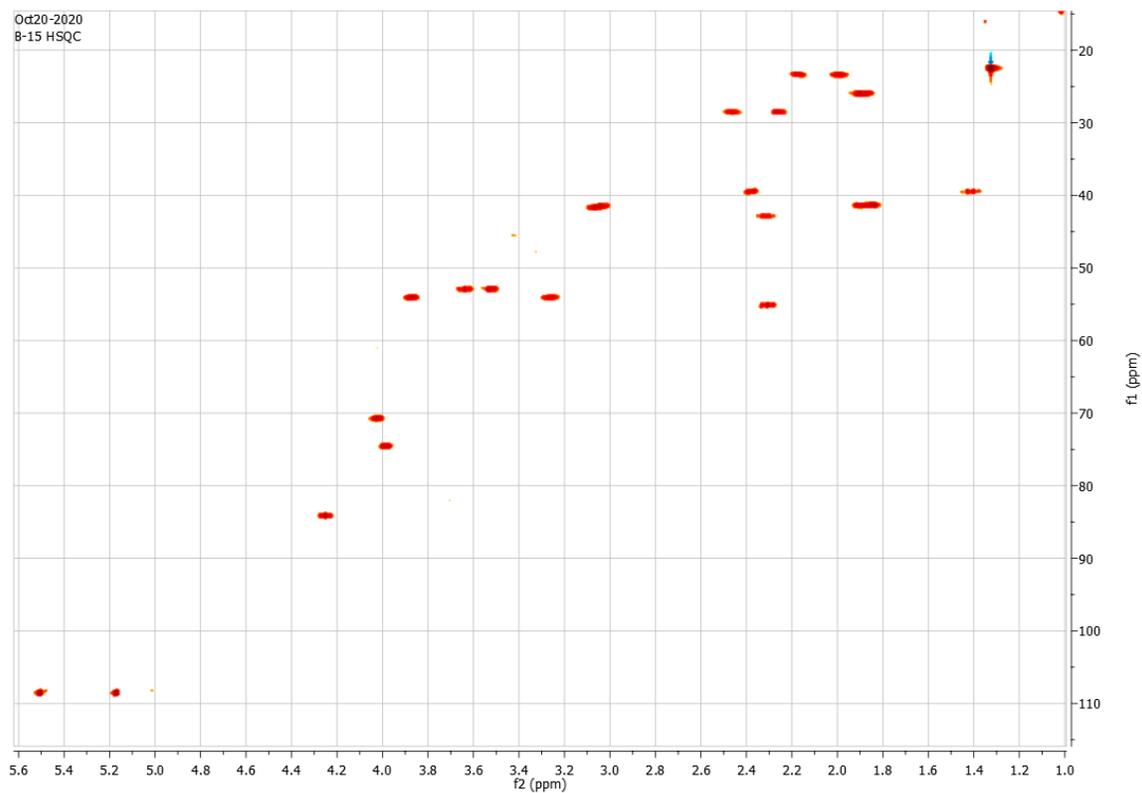


Figure S4. HSQC spectrum of Compound **1** in CD₃OD.

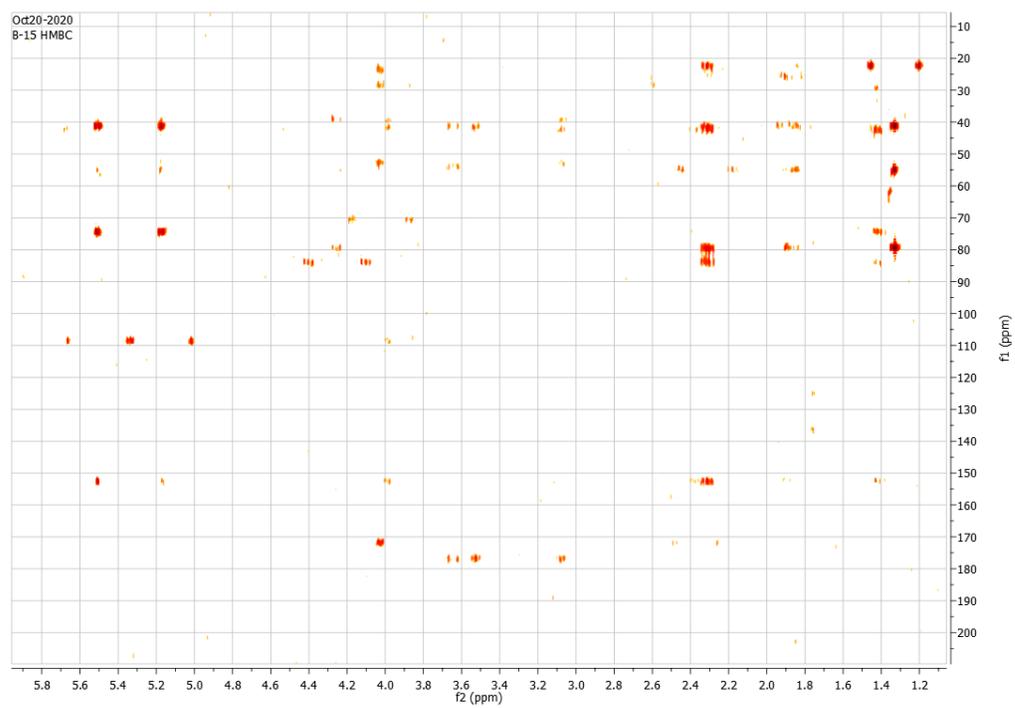


Figure S5. HMBC spectrum of compound **1** in CD₃OD.

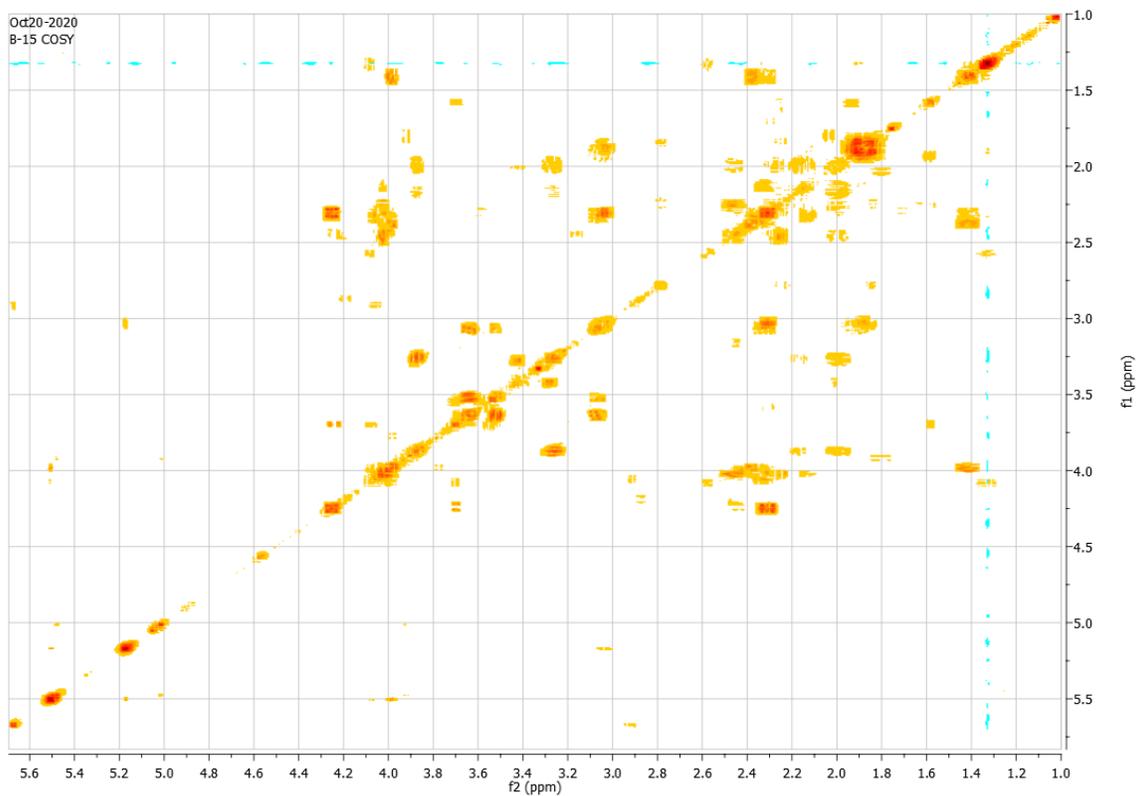


Figure S6. COSY spectrum of compound **1** in CD₃OD.

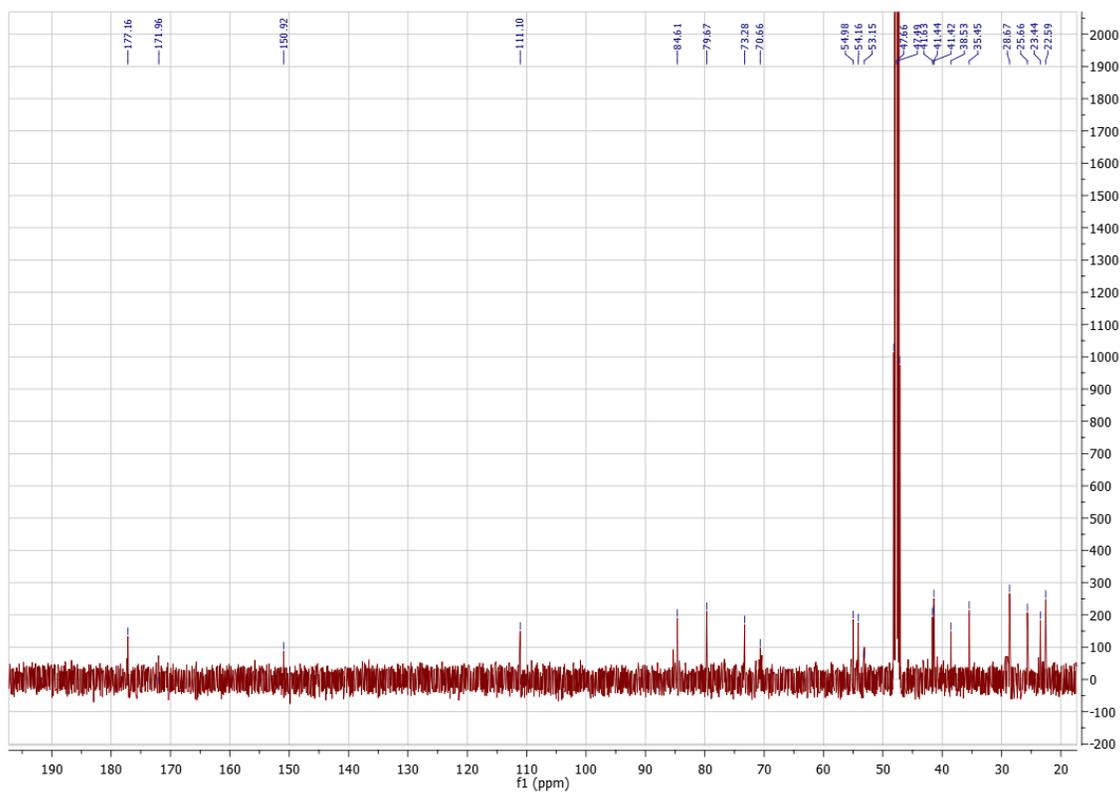


Figure S7. ^{13}C NMR spectrum of compound **2** in CD_3OD .

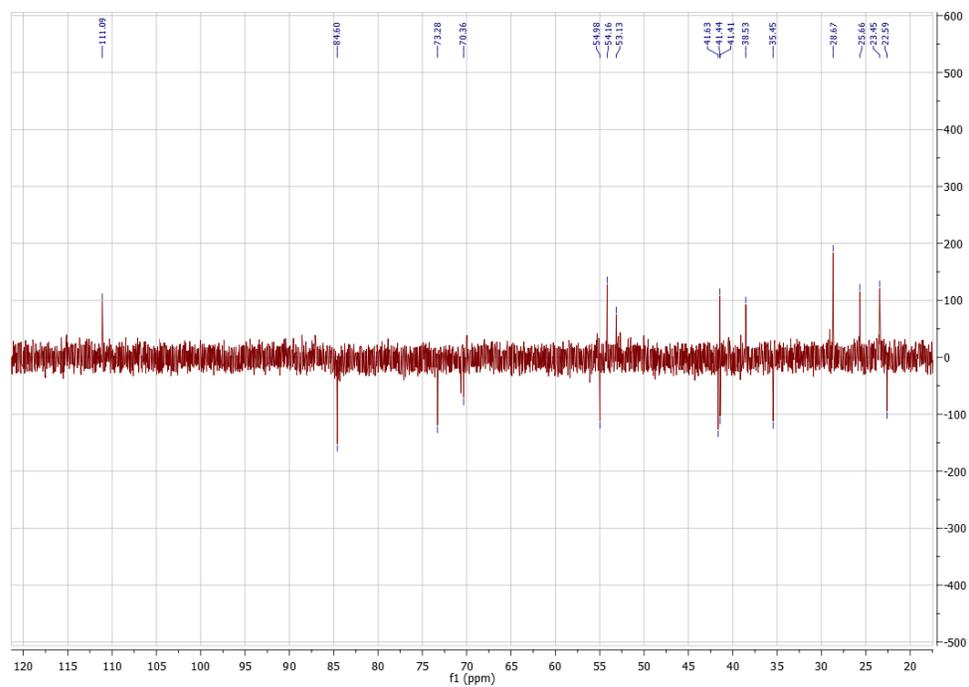


Figure S8. DEPT-135 NMR spectrum of compound **2** in CD_3OD .

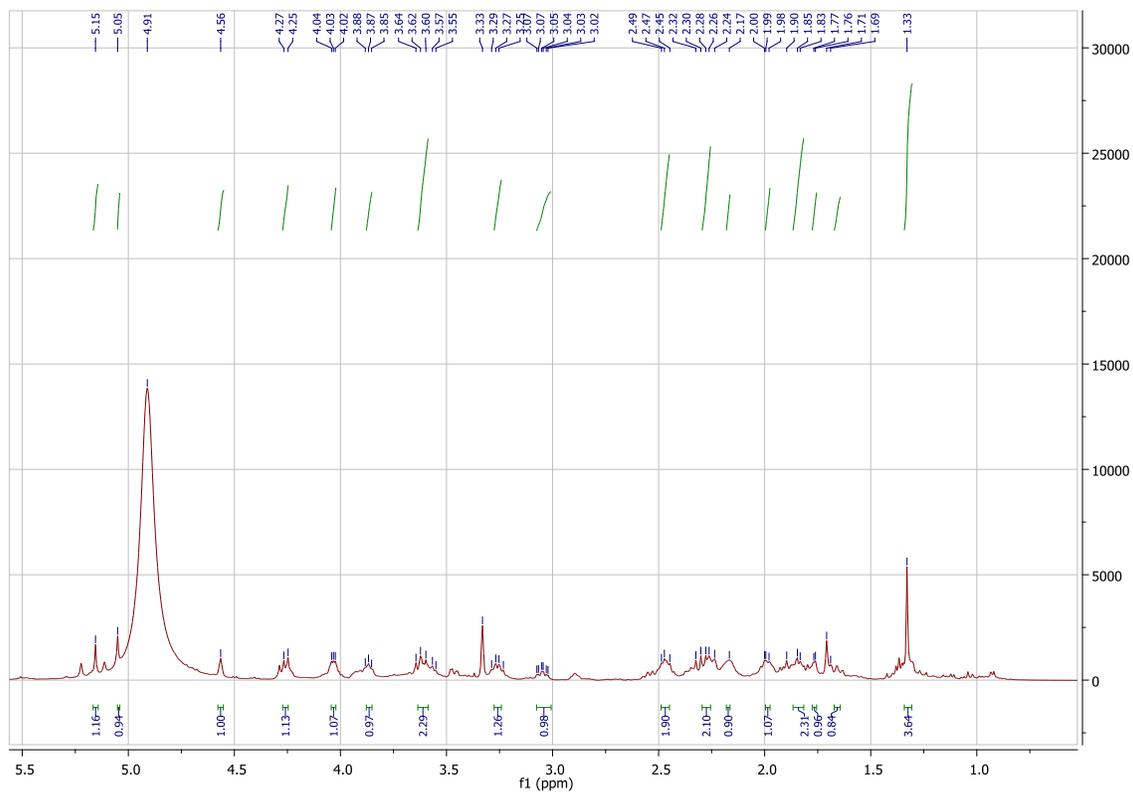


Figure S9. ^1H NMR spectrum of compound **2** in CD_3OD .

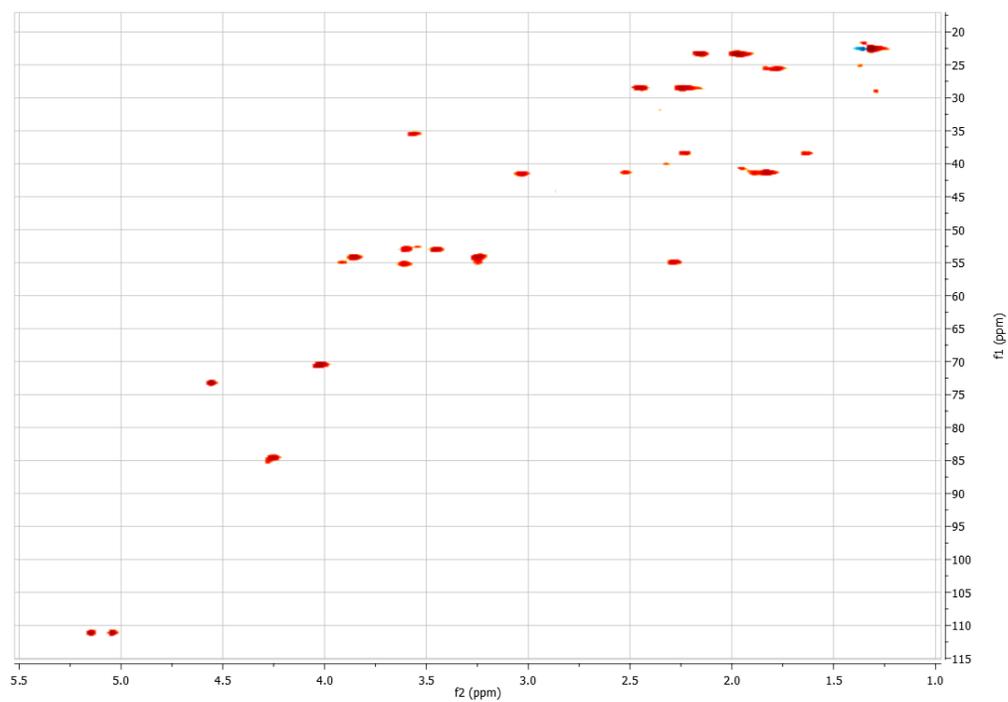


Figure S10. HSQC spectrum of compound **2** in CD_3OD .

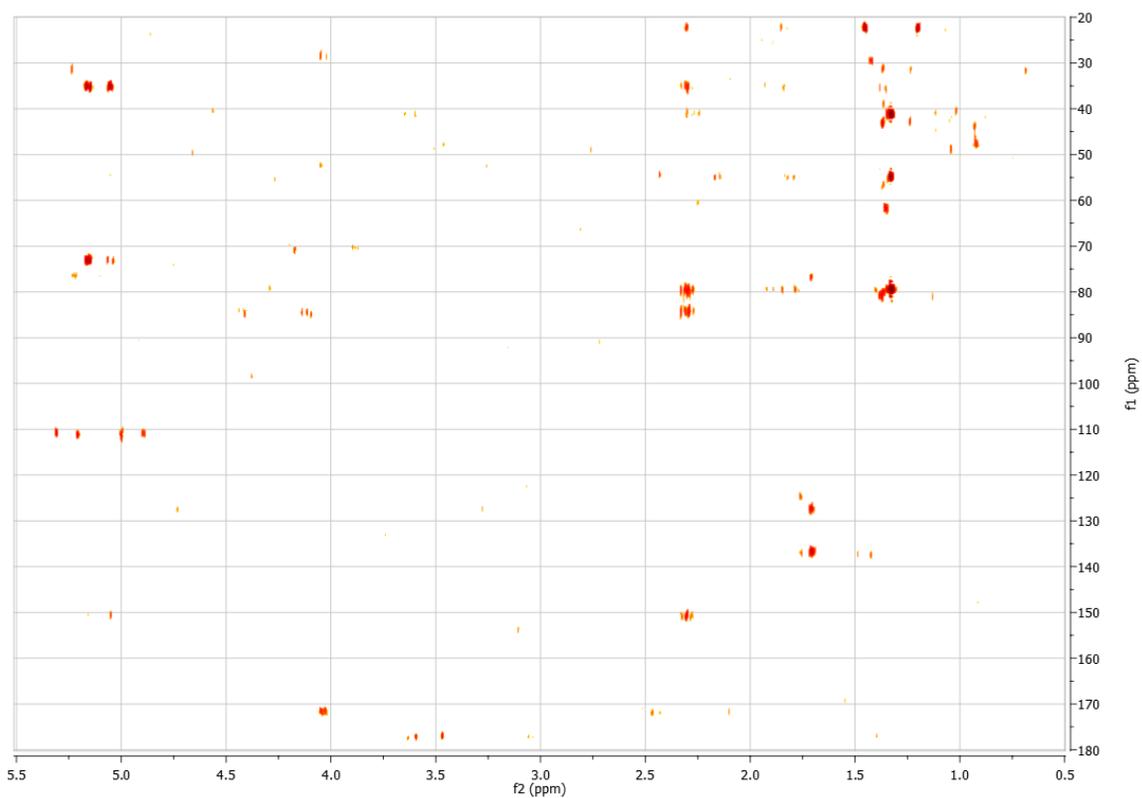


Figure S11. HMBC spectrum of compound **2** in CD₃OD.

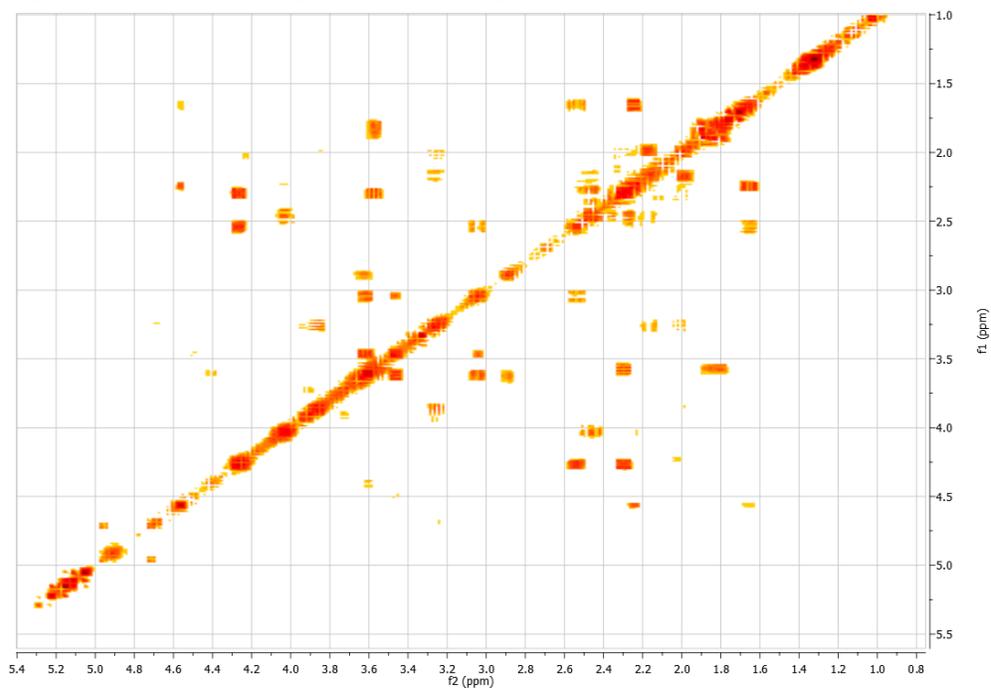


Figure S12. COSY spectrum of compound **2** in CD₃OD.

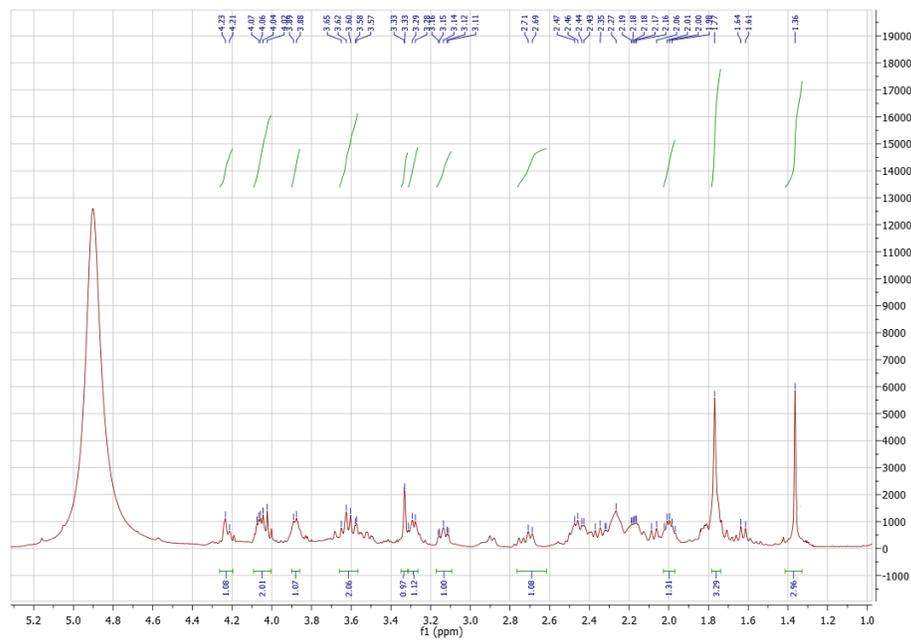


Figure S15. ^1H NMR spectrum of compound **3** in CD_3OD .

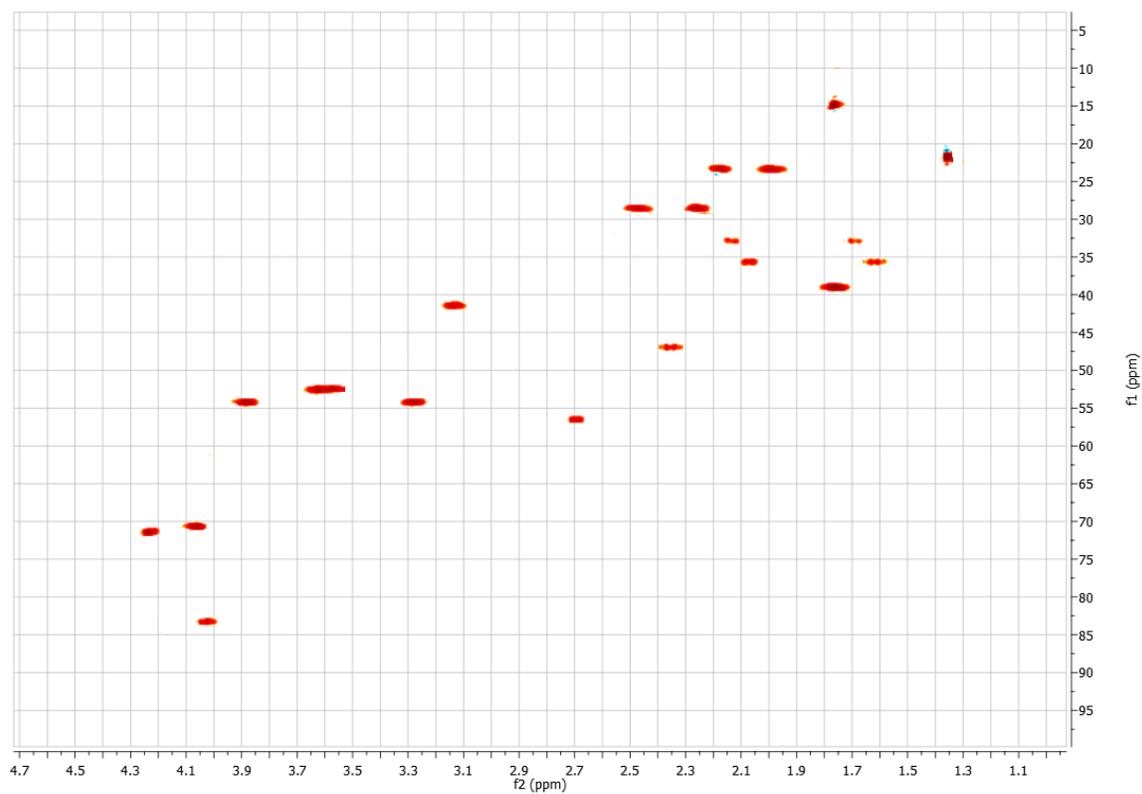


Figure S16. HSQC spectrum of compound **3** in CD_3OD .

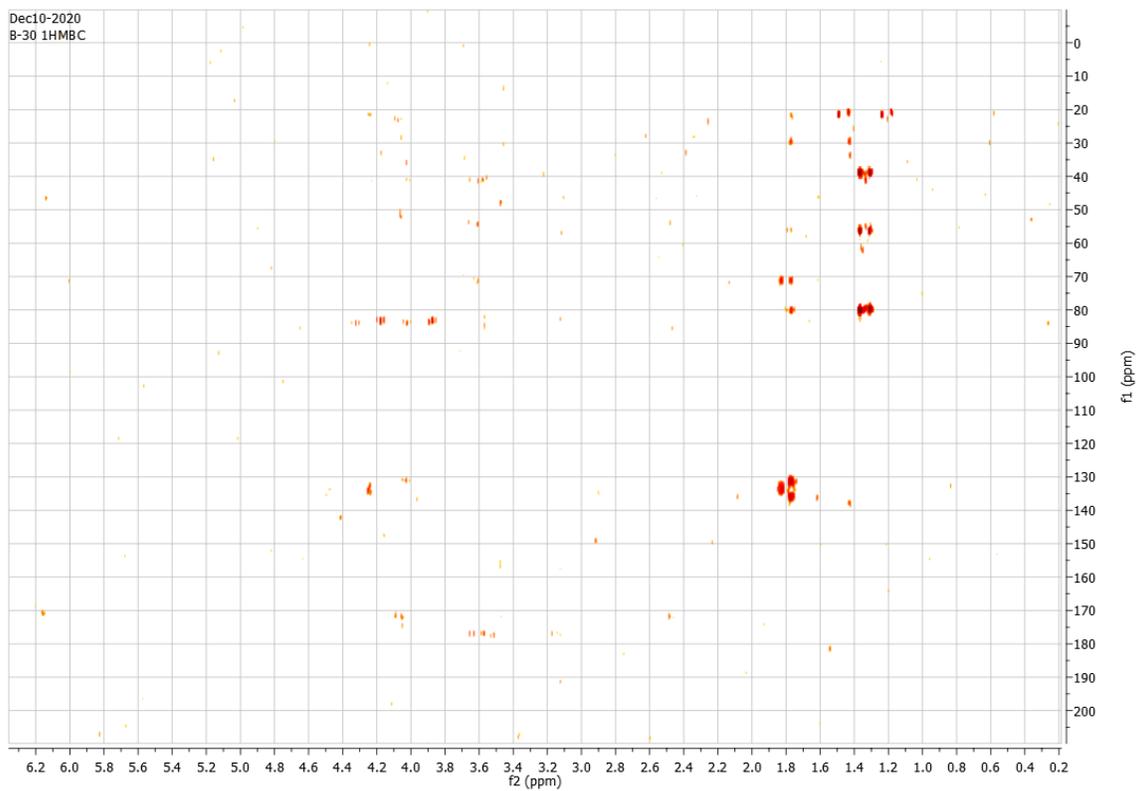


Figure S17. HMBC spectrum of compound **3** in CD₃OD.

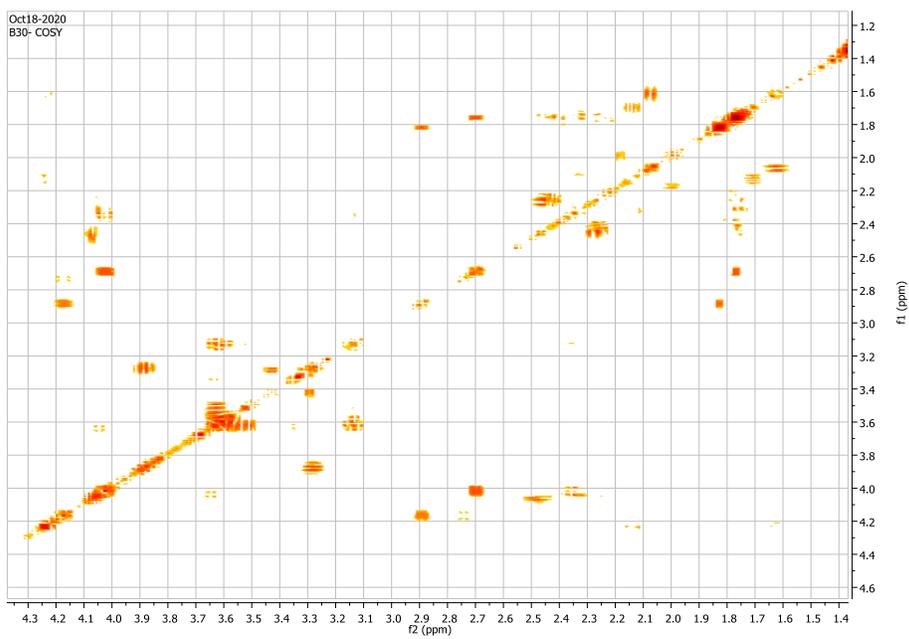


Figure S18. COSY spectrum of compound **3** in CD₃OD.