

SUPPLEMENTARY MATERIAL

Two triterpene glycosides with antiproliferative activities on hepg2 from *Phytolacca acinosa* fruit fermentation broth

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Abstract: Two new oleanane-type triterpene glycosides, phytolasides A (**1**) and B (**2**), and six known ones (**3–8**), were isolated from *Phytolacca acinosa* fruit fermentation broth. Their structures were elucidated by HR-ESI-MS and 1D- and 2D-NMR spectroscopic methods. Antiproliferation of compounds **1** and **2** against HepG2 cells was examined by using CCK8 assays.

Key words: *Phytolacca acinosa*; fruit fermentation broth; triterpene glycosides; antiproliferation

Table S1. Antiproliferation of compounds **1** and **2** against HepG2 cells (IC_{50} , μM , mean \pm SD)

Compounds	IC_{50} (x \pm SD) μM
	HepG2
1	12.524 \pm 0.659
2	14.738 \pm 0.725
DOX*	1.463 \pm 0.059

DOX*: Doxorubicin was used as the positive control.

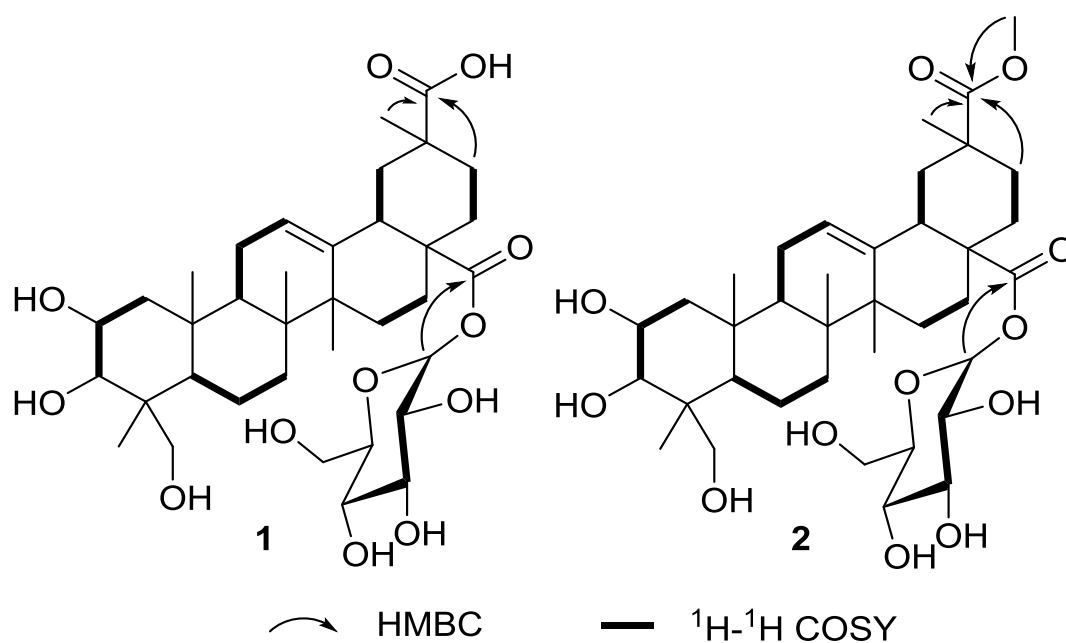


Figure S1. 1H - 1H COSY and key HMBC correlations of compounds **1** and **2**

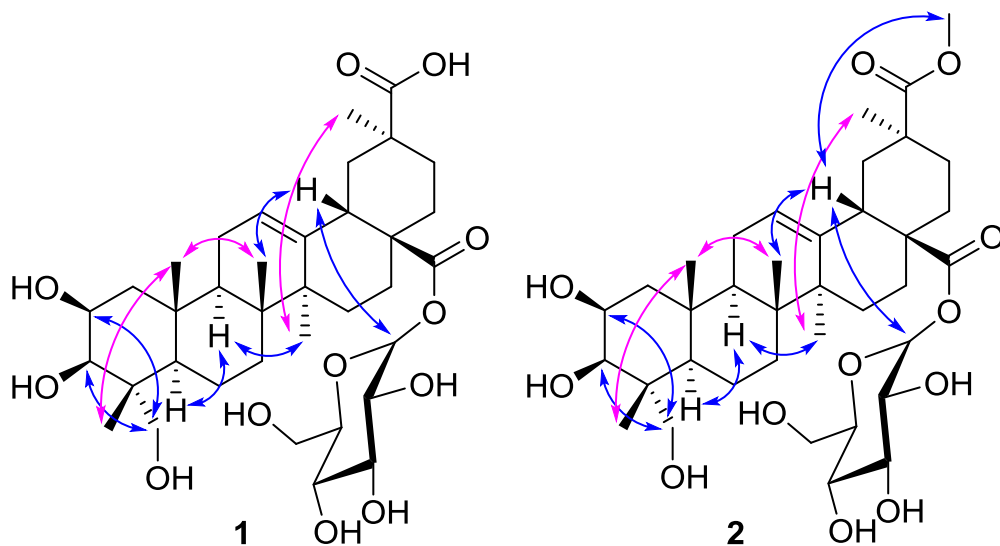


Figure S2. NOESY correlations of compounds **1** and **2**.

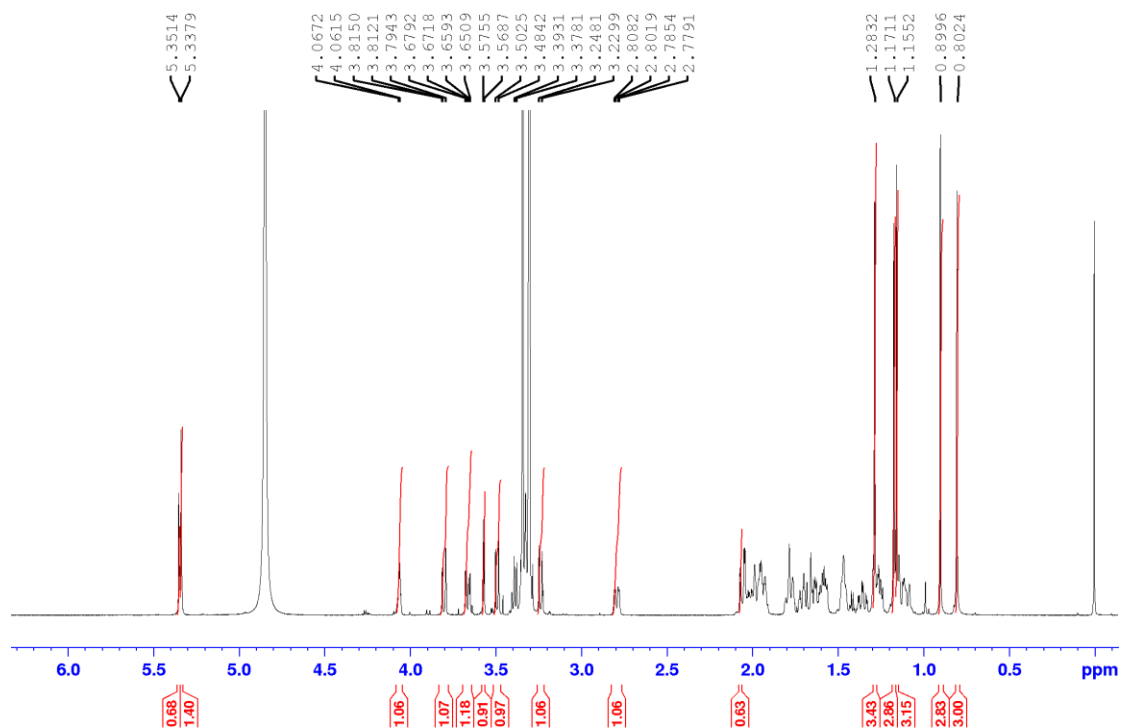


Figure S3. ^1H NMR spectrum of **1** in methanol- d_4 .

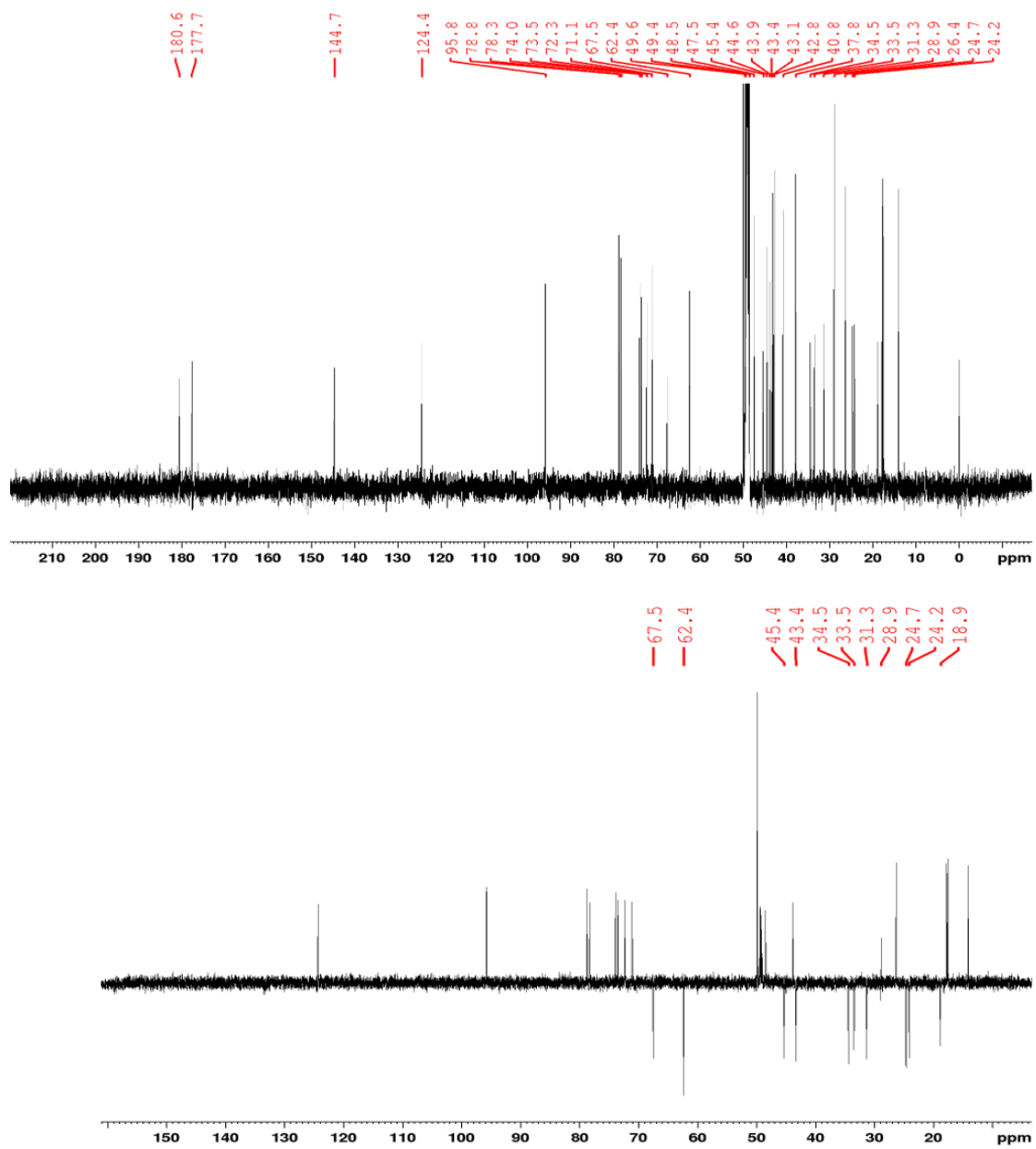


Figure S4. ^{13}C NMR and DEPT spectra of **1** in methanol- d_4 .

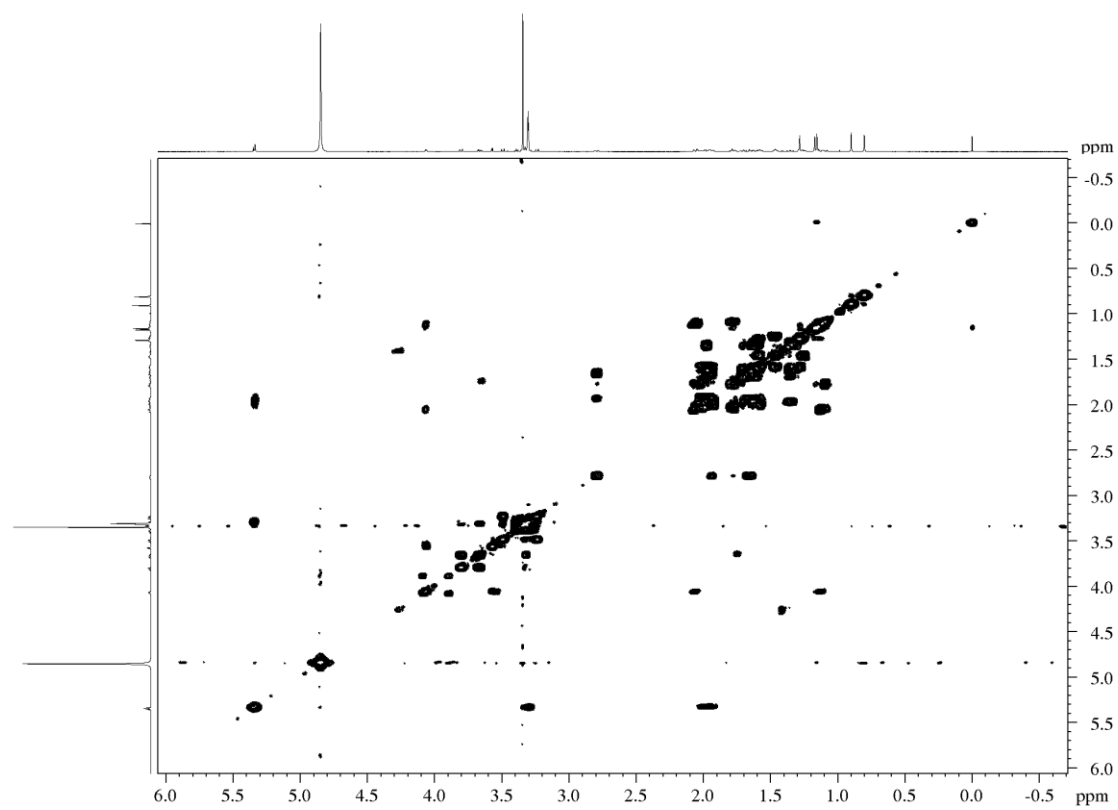


Figure S5. ^1H - ^1H COSY spectrum of **1** in methanol- d_4 .

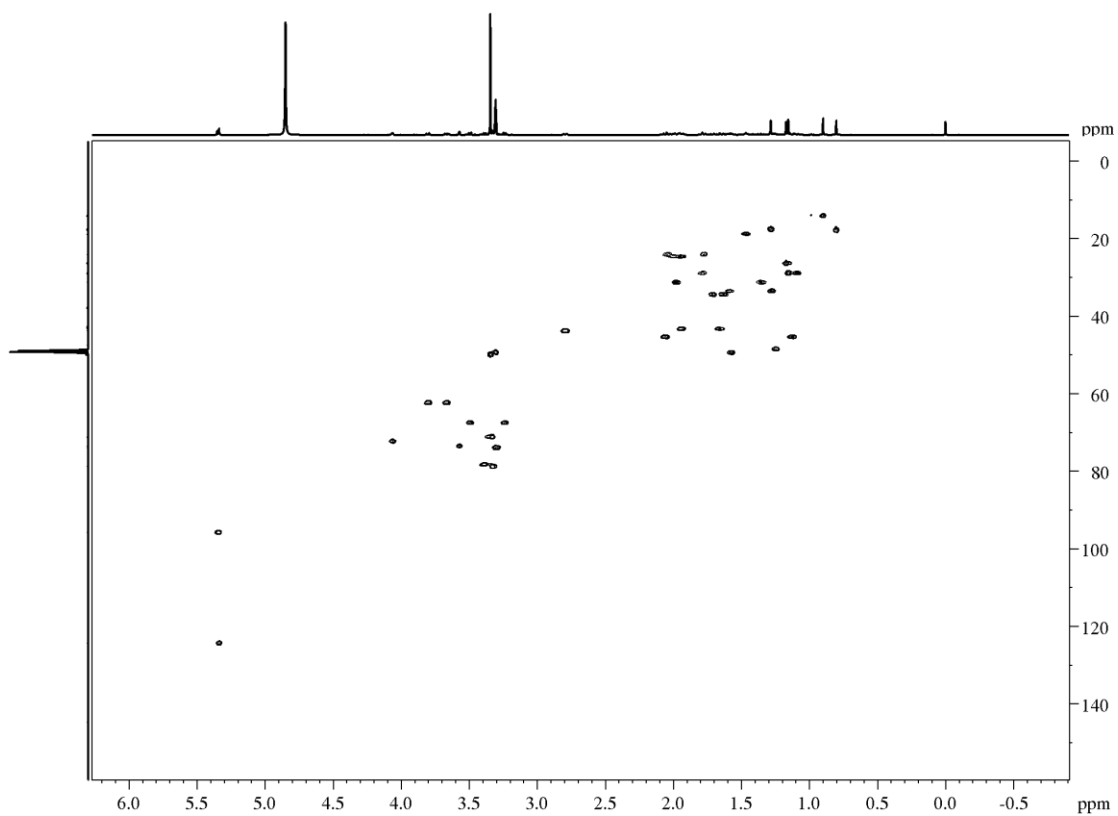


Figure S6. HSQC spectrum of **1** in methanol- d_4 .

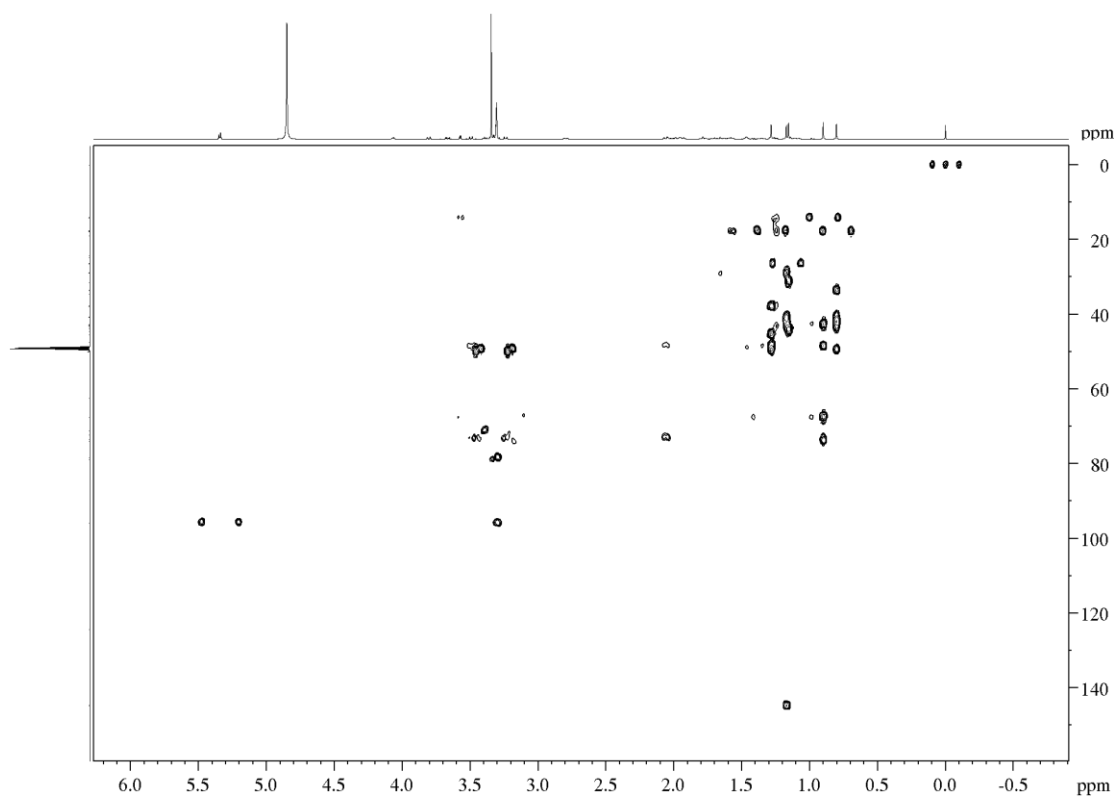


Figure S7. HMBC spectrum of **1** in methanol- d_4 .

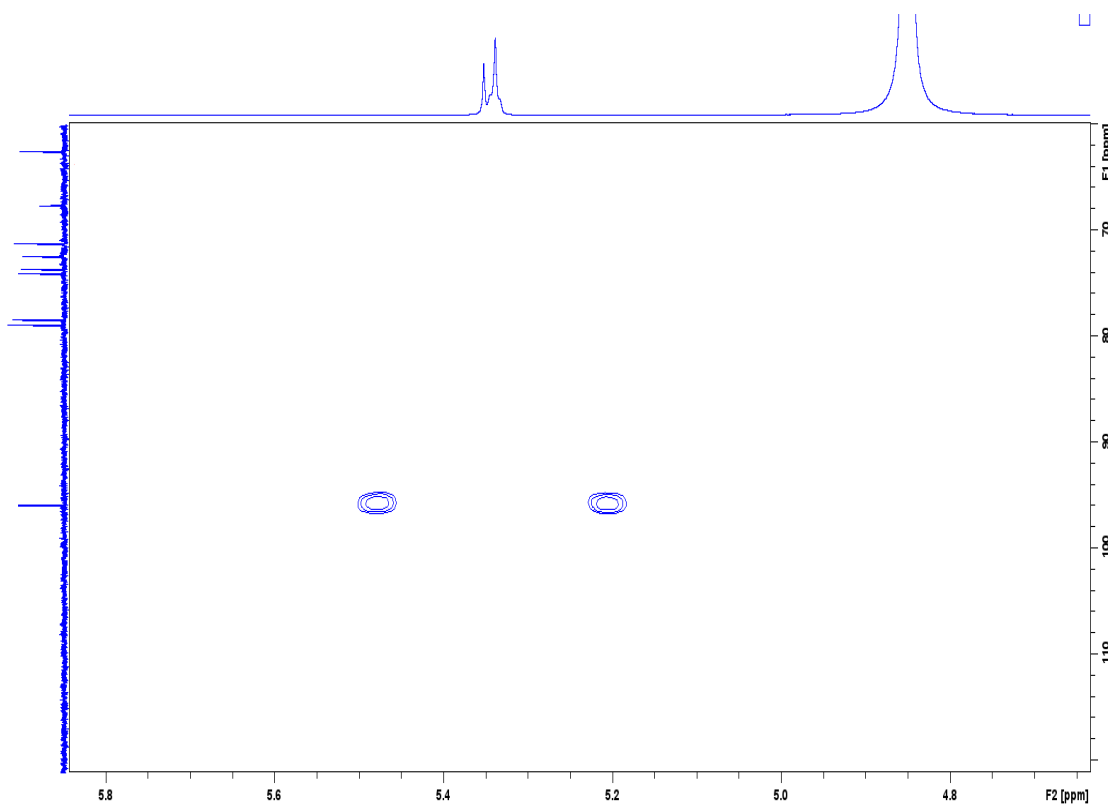


Figure S8. Enlarged HMBC spectrum of **1** in methanol- d_4 .

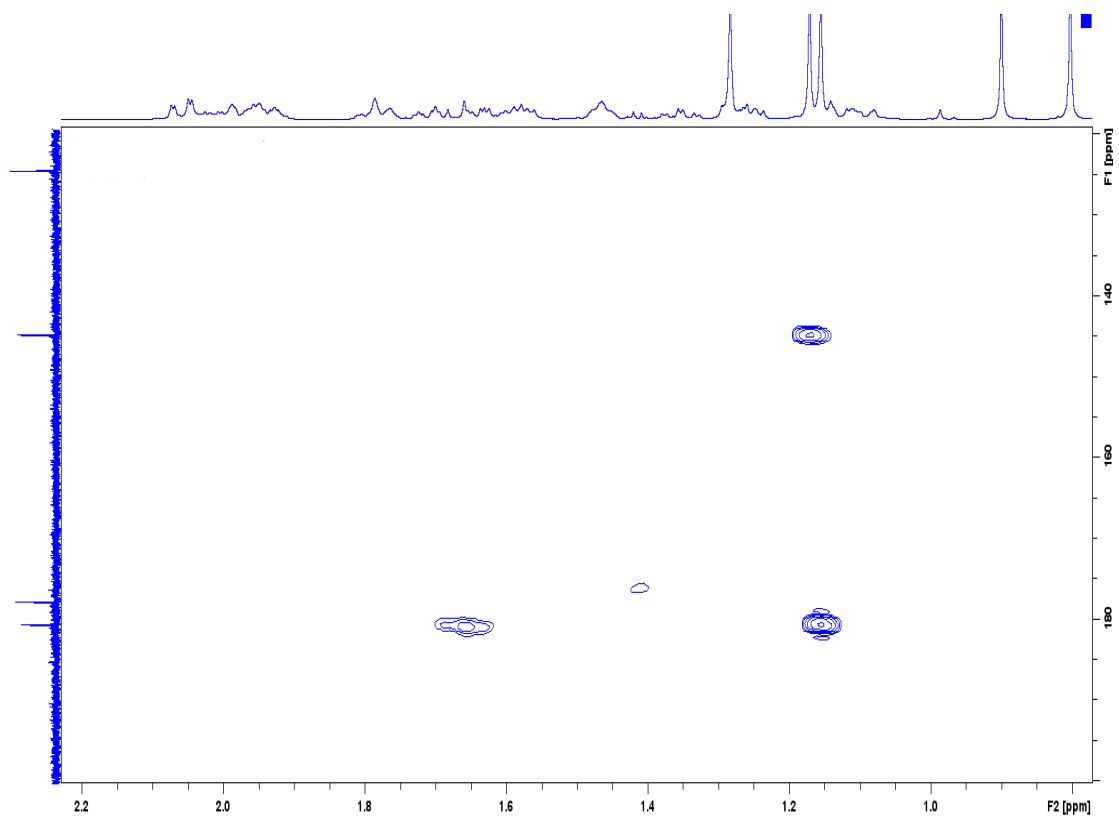


Figure S9. Enlarged HMBC spectrum of **1** in methanol- d_4 .

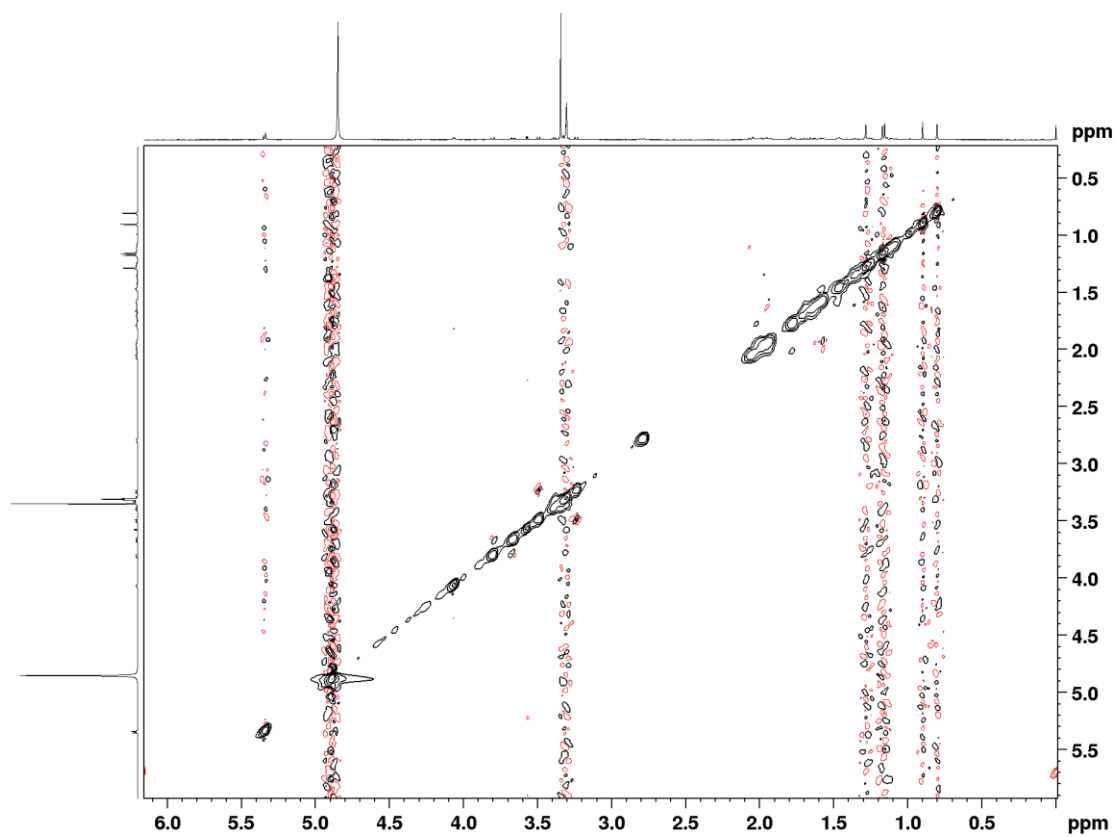


Figure S10. NOESY spectrum of **1** in methanol- d_4 .

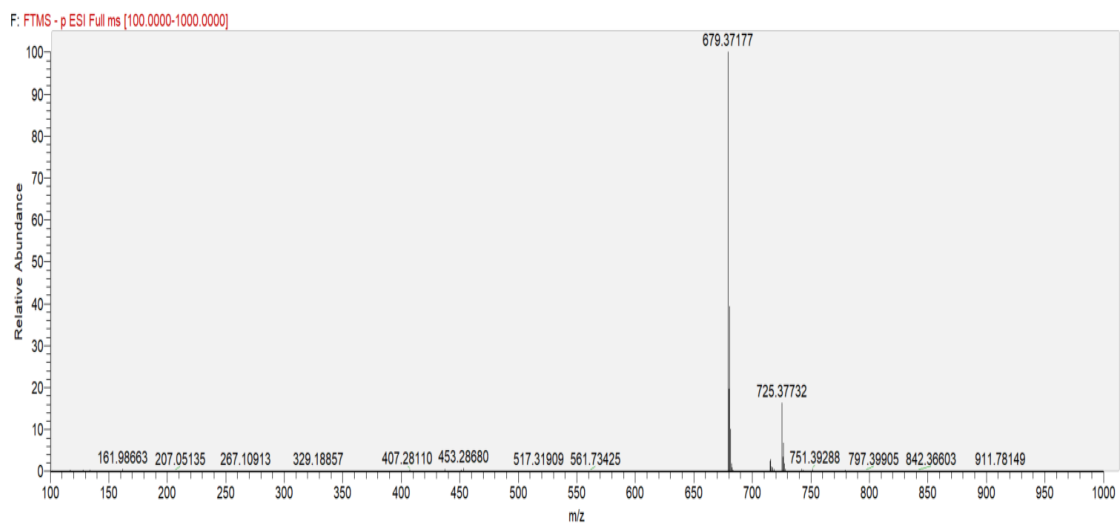


Figure S11. HRESIMS of 1.

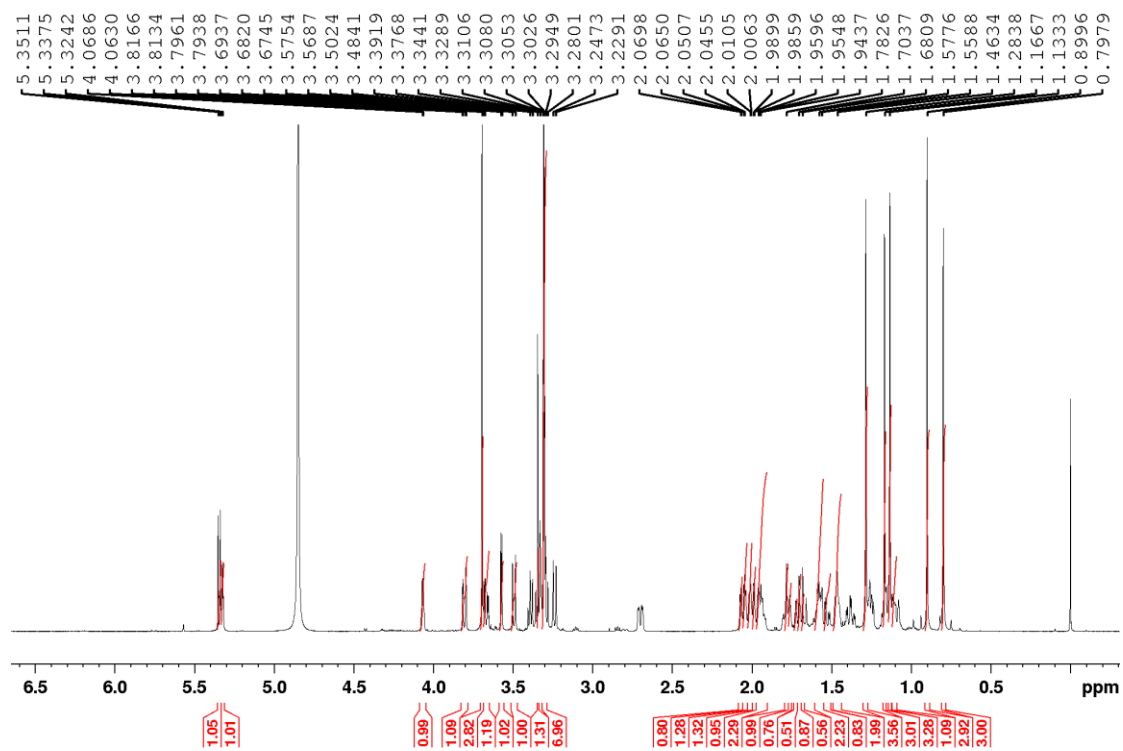


Figure S12. ^1H NMR spectrum of 2 in methanol- d_4 .

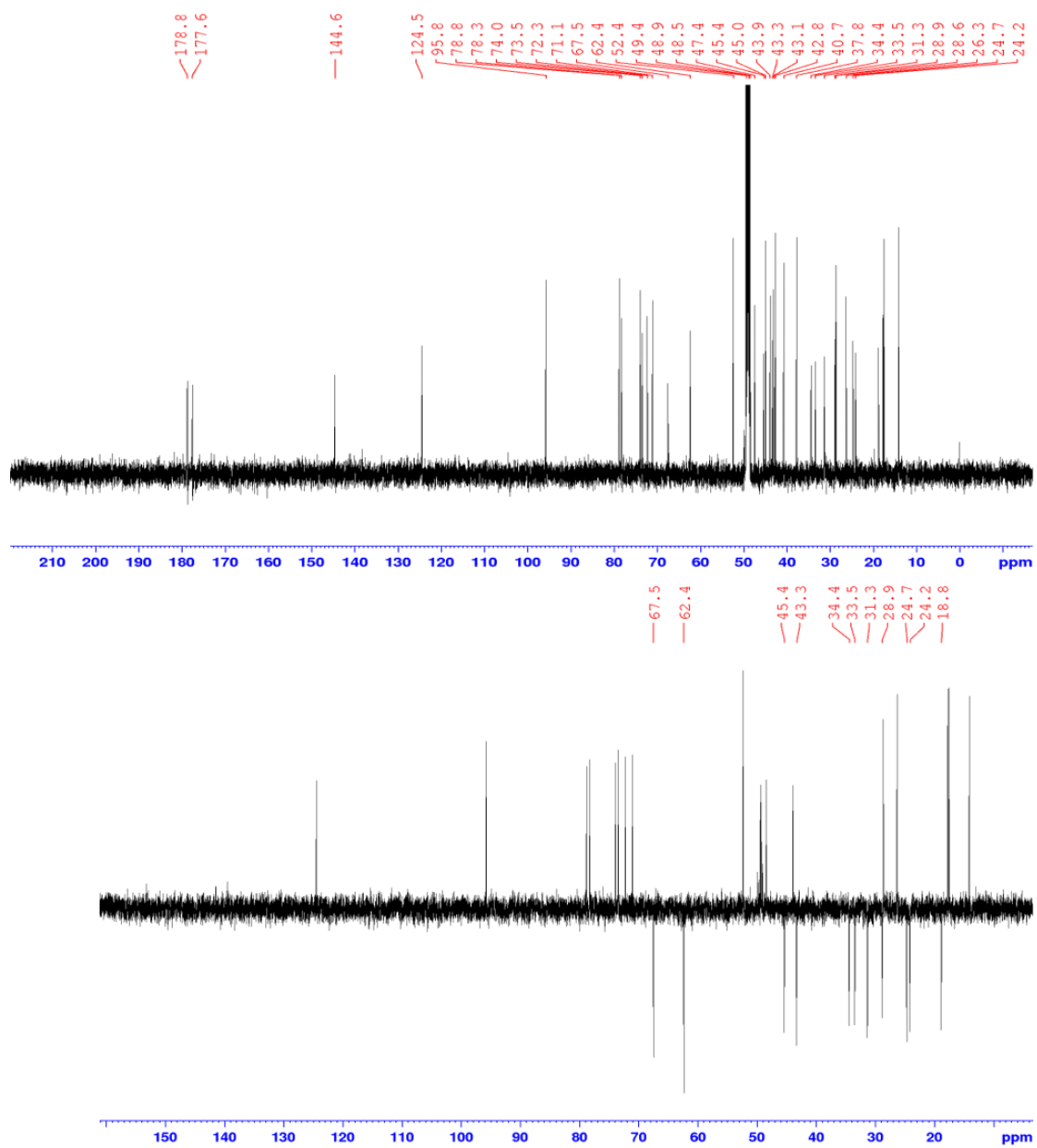


Figure S13. ^{13}C NMR and DEPT spectra of **2** in methanol- d_4 .

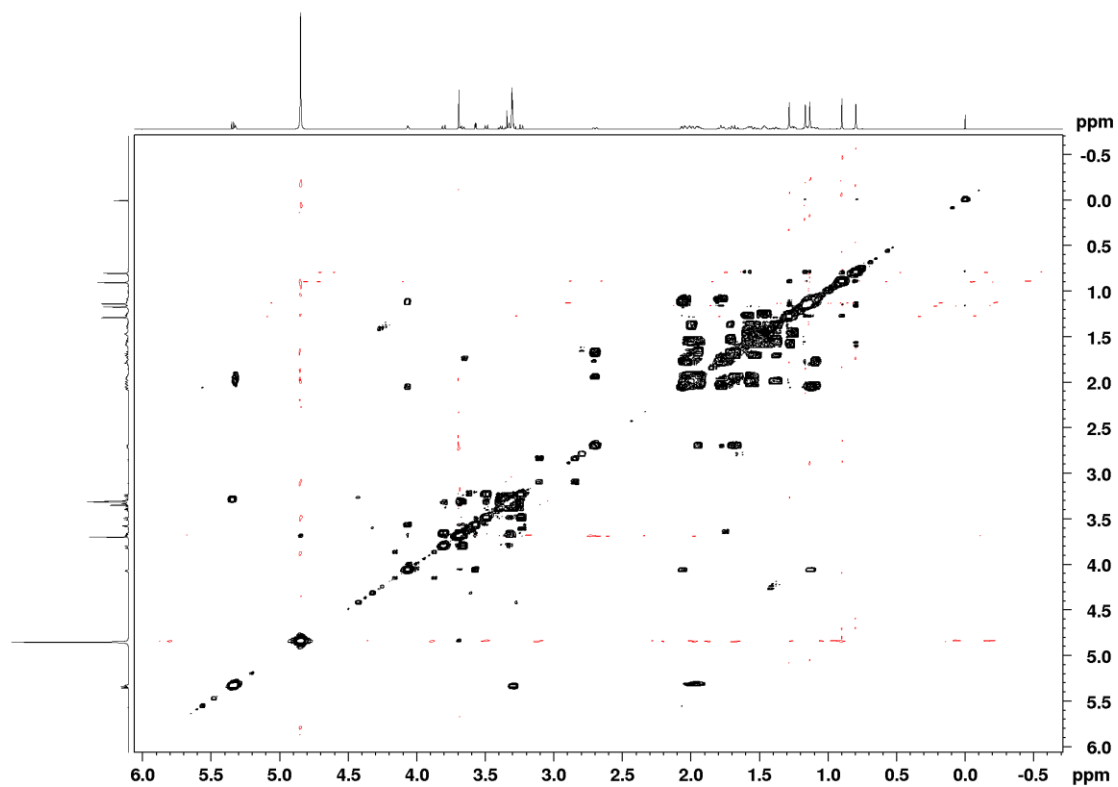


Figure S14. ^1H - ^1H COSY spectrum of **2** in methanol- d_4 .

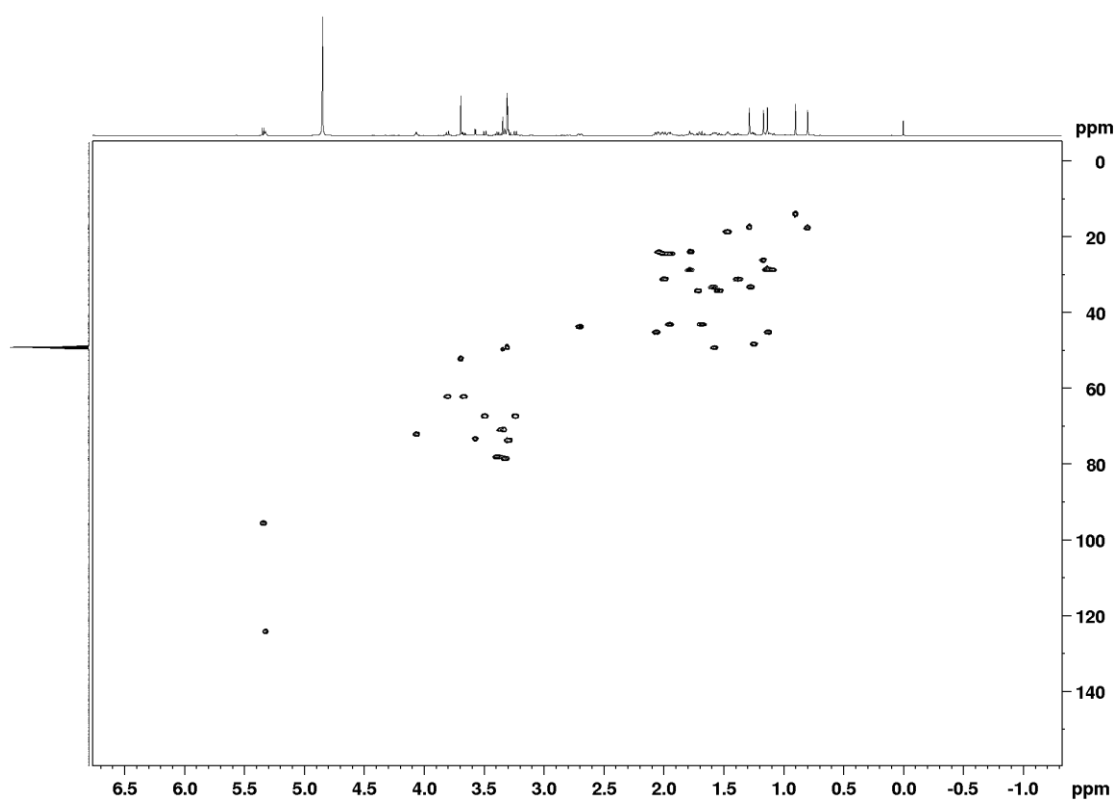


Figure S15. HSQC spectrum of **2** in methanol- d_4 .

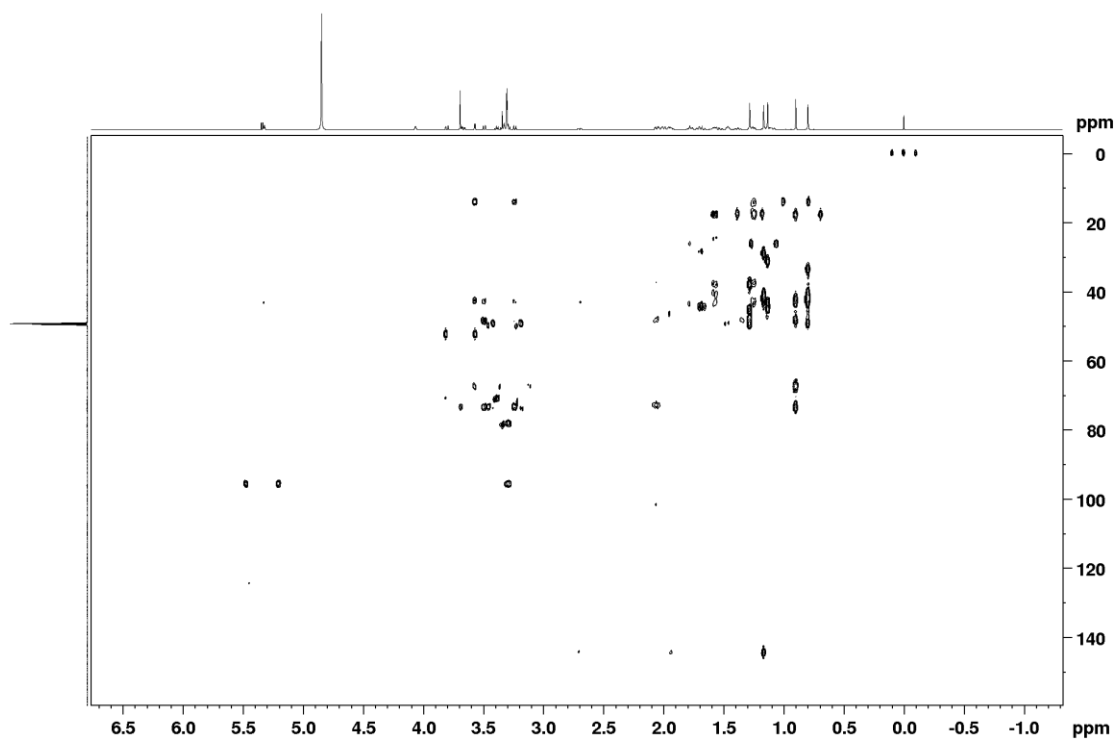


Figure S16. HMBC spectrum of **2** in methanol- d_4 .

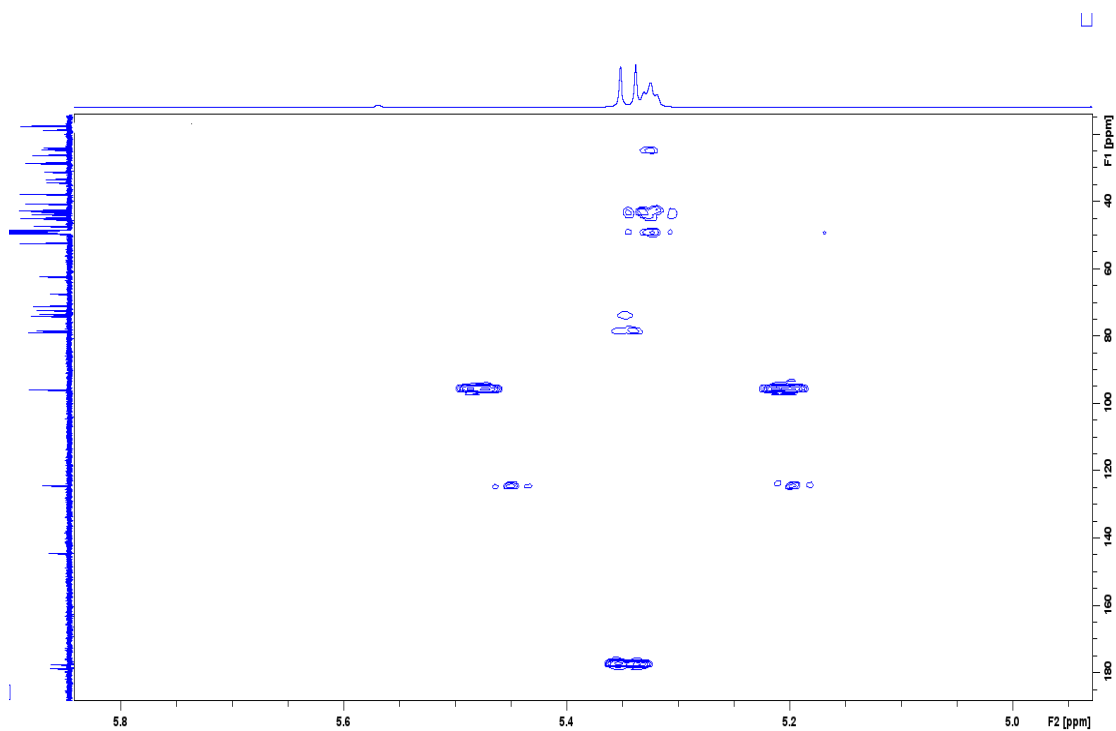


Figure S17. Enlarged HMBC spectrum of **1** in methanol- d_4 .

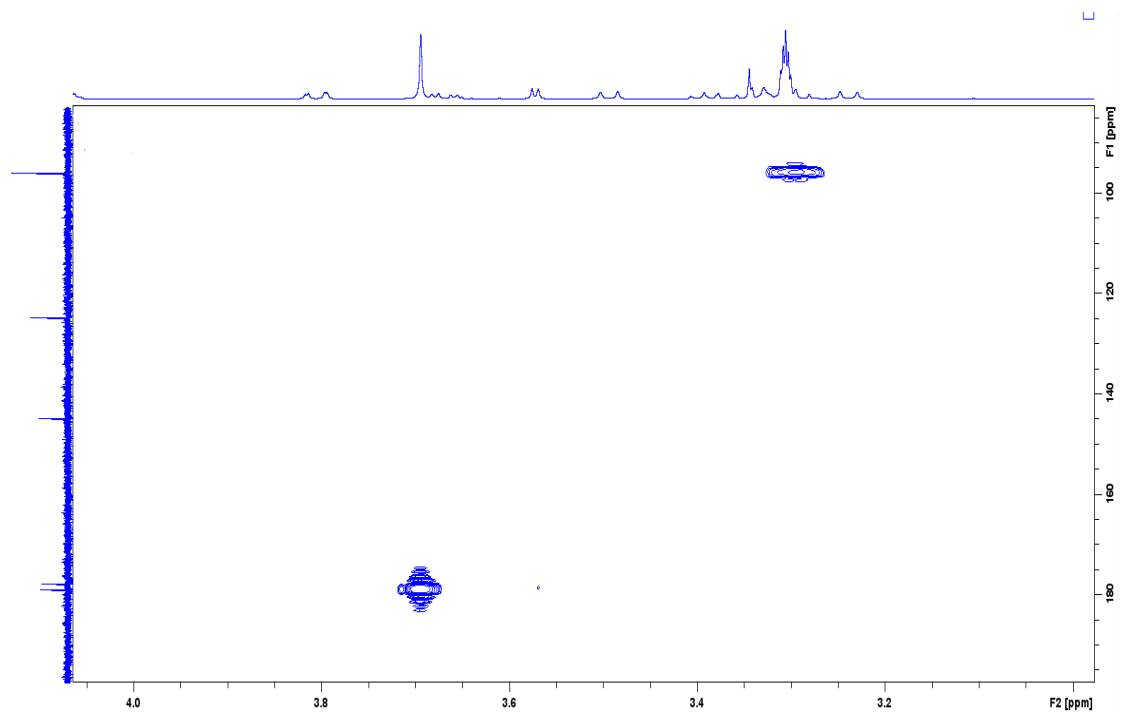


Figure S18. Enlarged HMBC spectrum of **1** in methanol- d_4 .

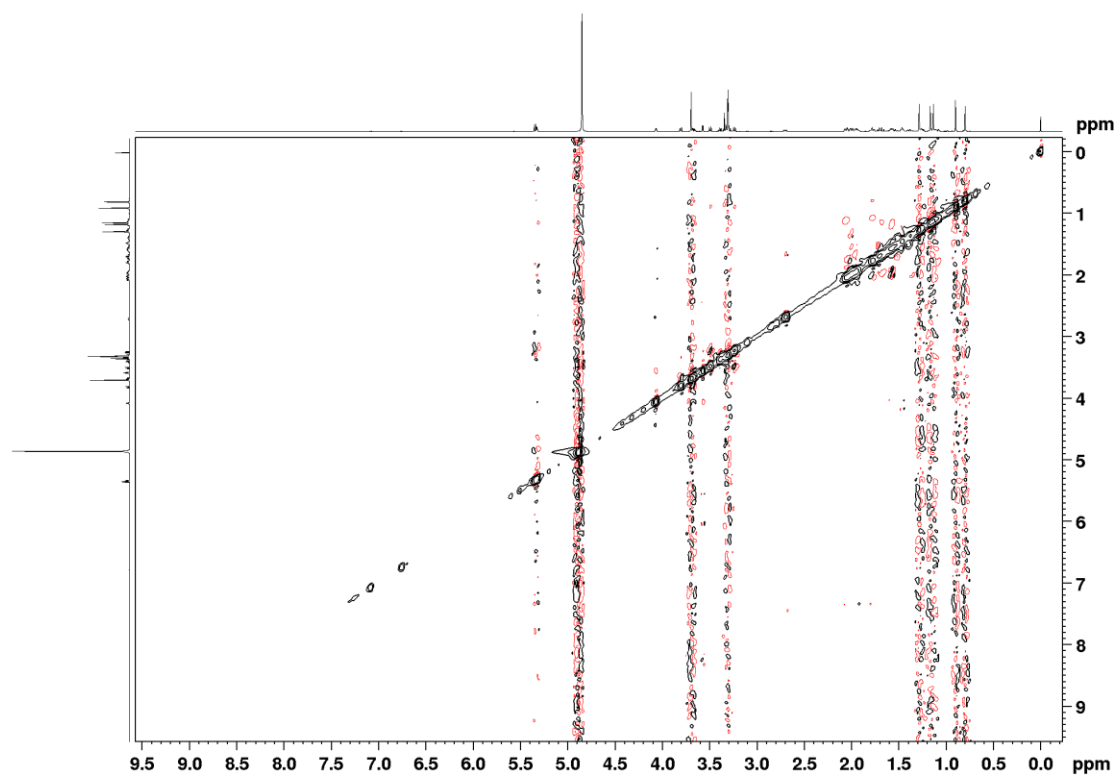


Figure S19. NOESY spectrum of **2** in methanol- d_4 .

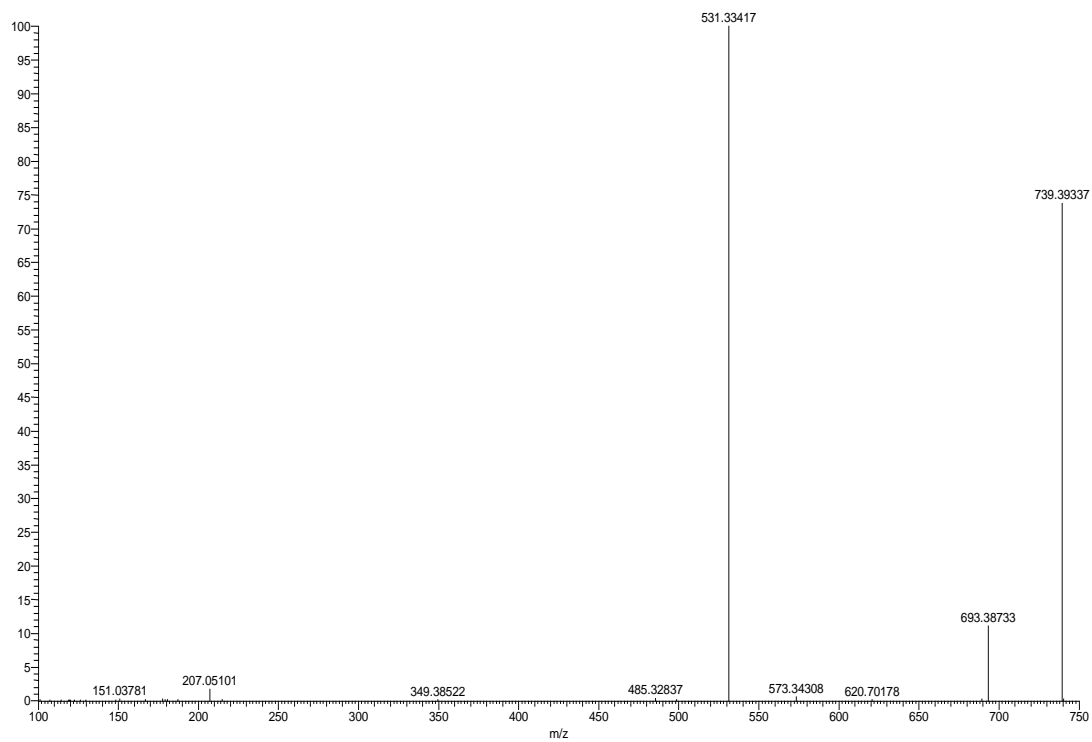


Figure S20. HRESIMS of **2**.