

SUPPLEMENTARY MATERIALS

New Discorhabdin B Dimers with Anticancer Activity from the Antarctic Deep-Sea Sponge *Latrunculia biformis*

Fengjie Li ¹, Dorte Janussen ² and Deniz Tasdemir ^{1,3,*}

¹ GEOMAR Centre for Marine Biotechnology (GEOMAR-Biotech), Research Unit Marine Natural Products Chemistry, GEOMAR Helmholtz Centre for Ocean Research Kiel, Am Kiel-Kanal 44, 24106, Kiel, Germany; fli@geomar.de

² Senckenberg Research Institute and Natural History Museum, Senckenberganlage 25, D-60325 Frankfurt, Germany; dorte.janussen@senckenberg.de

³ Faculty of Mathematics and Natural Sciences, Kiel University, Christian-Albrechts-Platz 4, 24118 Kiel, Germany

* Correspondence: dtasdemir@geomar.de; Tel.: +49-431-600-4430; ORCID ID: 0000-0002-7841-6271

	Page
Figure	
Figure S1. ¹ H NMR spectrum of compound 1 (TFA salt, 600 MHz, CD ₃ OD).	<u>2</u>
Figure S2. HSQC spectrum of compound 1 (TFA salt, 600 MHz, CD ₃ OD).	<u>2</u>
Figure S3. HMBC spectrum of compound 1 (TFA salt, 600 MHz, CD ₃ OD).	<u>3</u>
Figure S4. COSY spectrum of compound 1 (TFA salt, 600 MHz, CD ₃ OD).	<u>3</u>
Figure S5. NOESY spectrum of compound 1 (TFA salt, 600 MHz, CD ₃ OD).	<u>4</u>
Figure S6. HR-ESIMS spectrum of compound 1 .	<u>4</u>
Figure S7. ¹ H NMR spectrum of compound 2 (TFA salt, 600 MHz, CD ₃ OD).	<u>5</u>
Figure S8. HSQC spectrum of compound 2 (TFA salt, 600 MHz, CD ₃ OD).	<u>5</u>
Figure S9. HMBC spectrum of compound 2 (TFA salt, 600 MHz, CD ₃ OD).	<u>6</u>
Figure S10. COSY spectrum of compound 2 (TFA salt, 600 MHz, CD ₃ OD).	<u>6</u>
Figure S11. NOESY spectrum of compound 2 (TFA salt, 600 MHz, CD ₃ OD).	<u>7</u>
Figure S12. HR-ESIMS spectrum of compound 2 .	<u>7</u>
Figure S13. ¹ H NMR spectrum of compound 3 (TFA salt, 600 MHz, CD ₃ OD).	<u>8</u>
Figure S14. ¹³ C NMR spectrum of compound 3 (TFA salt, 150MHz, CD ₃ OD).	<u>8</u>
Figure S15. HSQC spectrum of compound 3 (TFA salt, 600 MHz, CD ₃ OD).	<u>9</u>
Figure S16. HMBC spectrum of compound 3 (TFA salt, 600 MHz, CD ₃ OD).	<u>9</u>
Figure S17. COSY spectrum of compound 3 (TFA salt, 600 MHz, CD ₃ OD).	<u>10</u>
Figure S18. NOESY spectrum of compound 3 (TFA salt, 600 MHz, CD ₃ OD).	<u>10</u>
Figure S19. HR-ESIMS spectrum of compound 3 .	<u>11</u>

Figure S1. ^1H NMR spectrum of compound **1** (TFA salt, 600 MHz, CD_3OD).

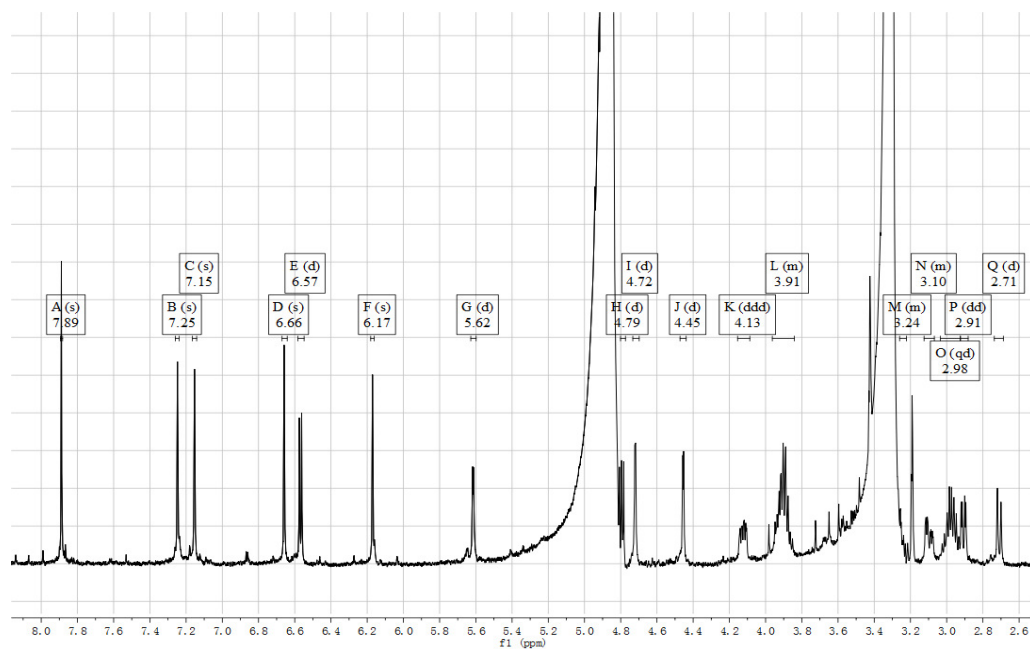


Figure S2. HSQC spectrum of compound **1** (TFA salt, 600 MHz, CD_3OD).

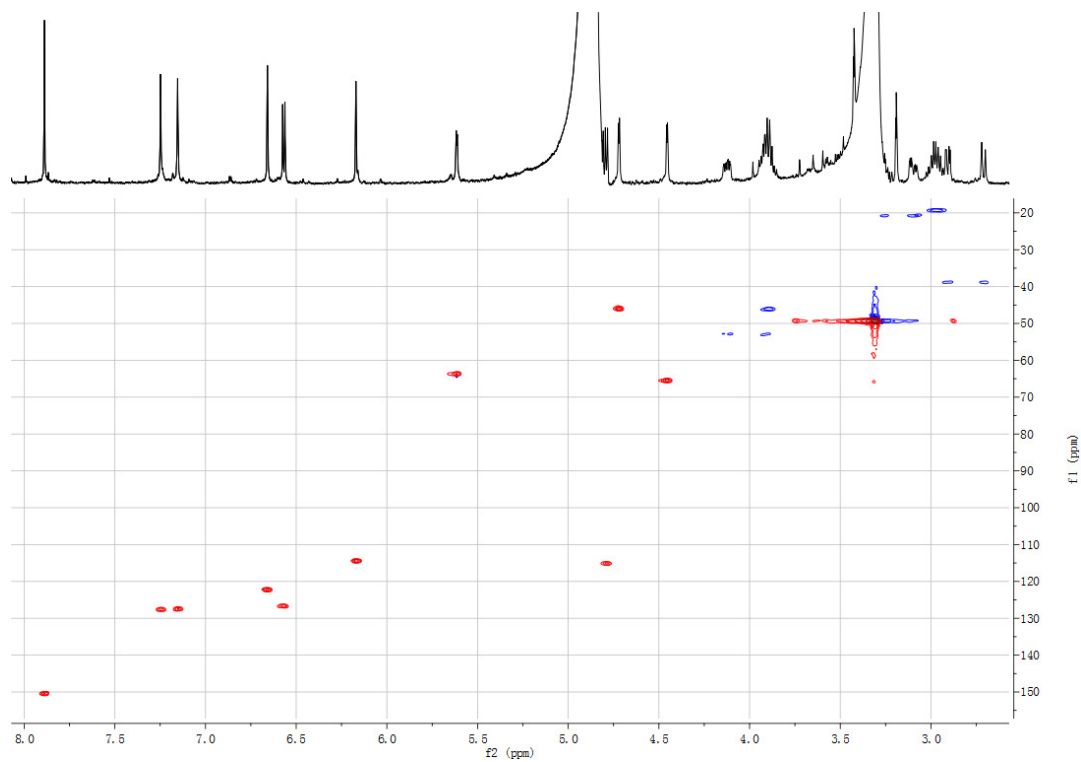


Figure S3. HMBC spectrum of compound **1** (TFA salt, 600 MHz, CD₃OD).

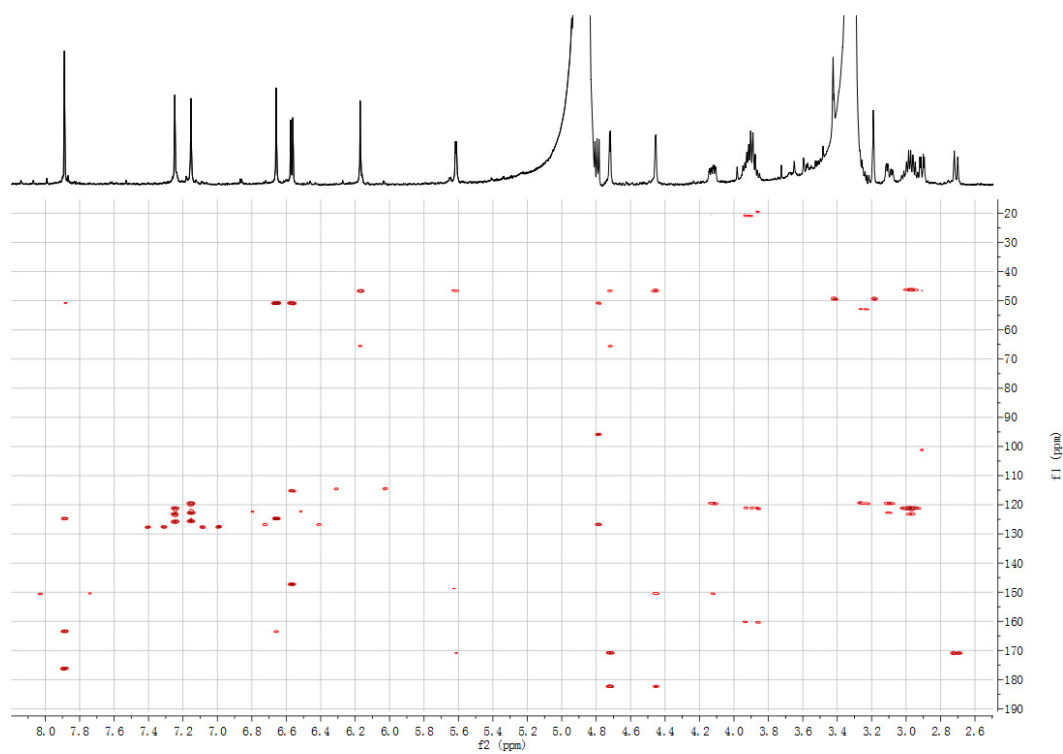


Figure S4. COSY spectrum of compound **1** (TFA salt, 600 MHz, CD₃OD).

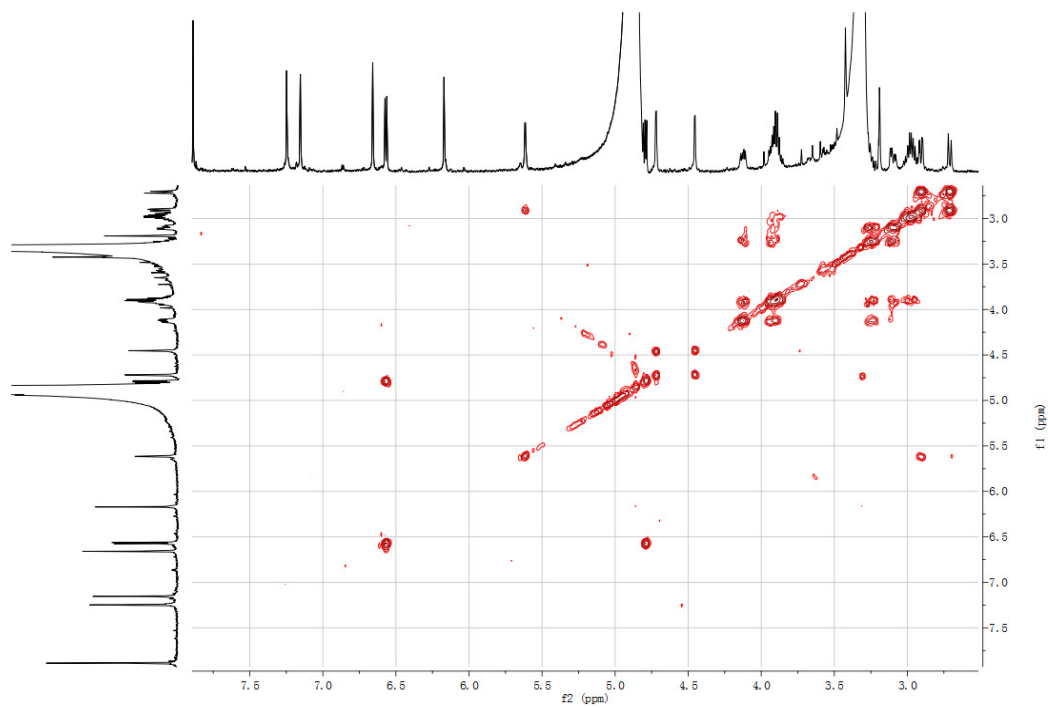


Figure S5. NOESY spectrum of compound **1** (TFA salt, 600 MHz, CD₃OD).

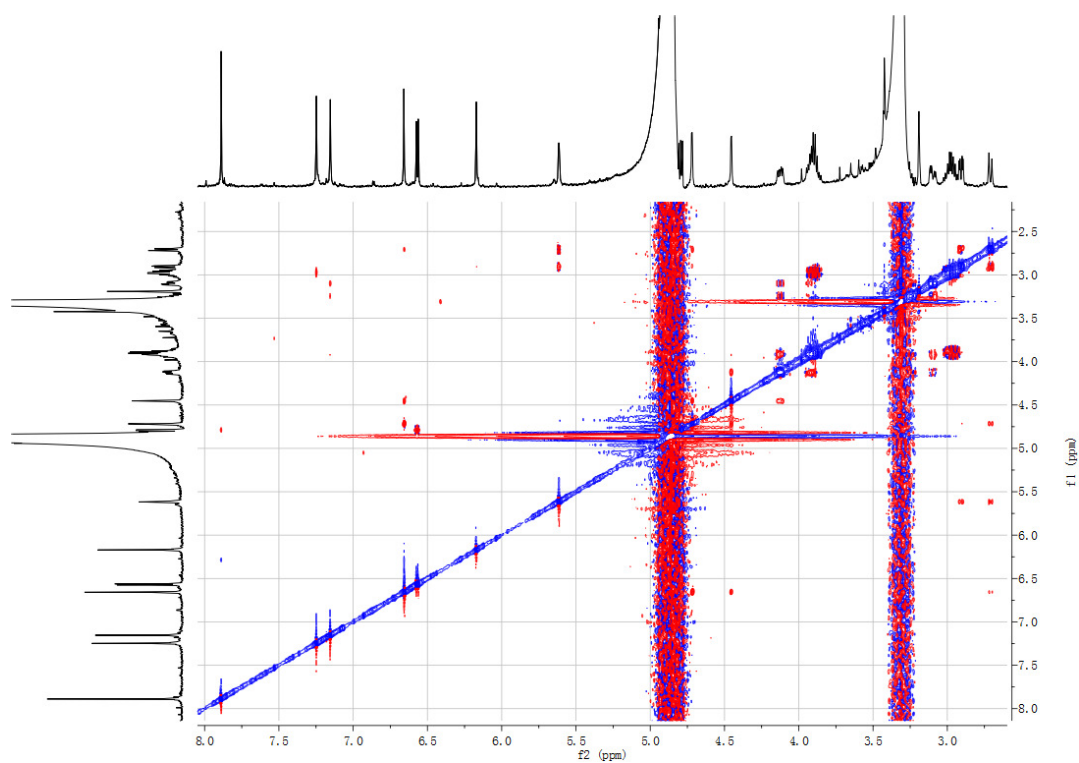


Figure S6. HR-ESIMS spectrum of compound **1**.

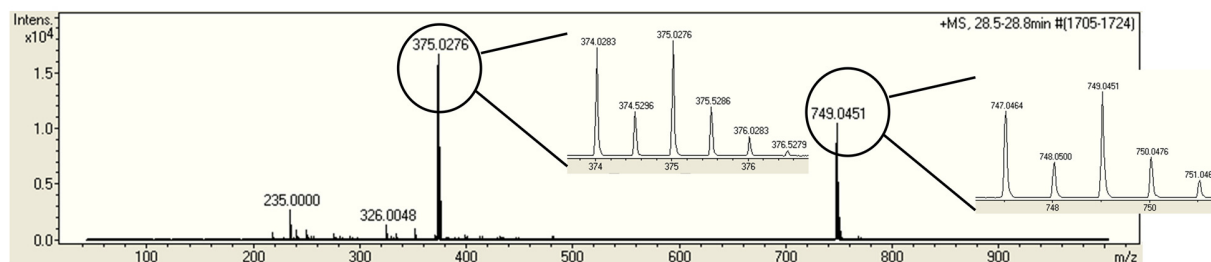


Figure S7. ^1H NMR spectrum of compound 2 (TFA salt, 600 MHz, CD_3OD).

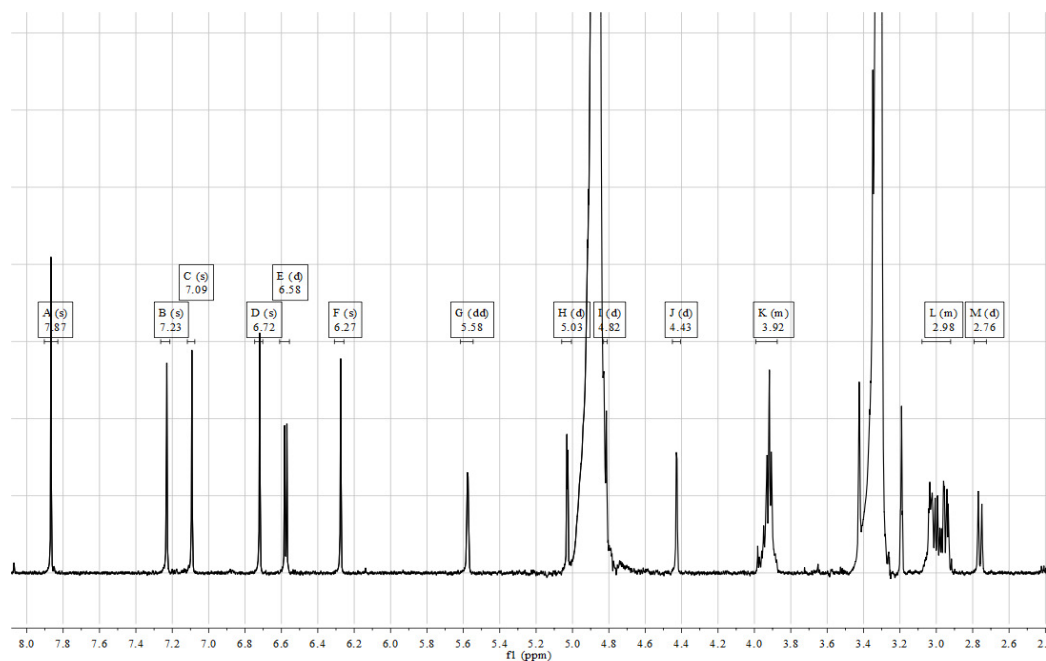


Figure S8. HSQC spectrum of compound 2 (TFA salt, 600 MHz, CD_3OD).

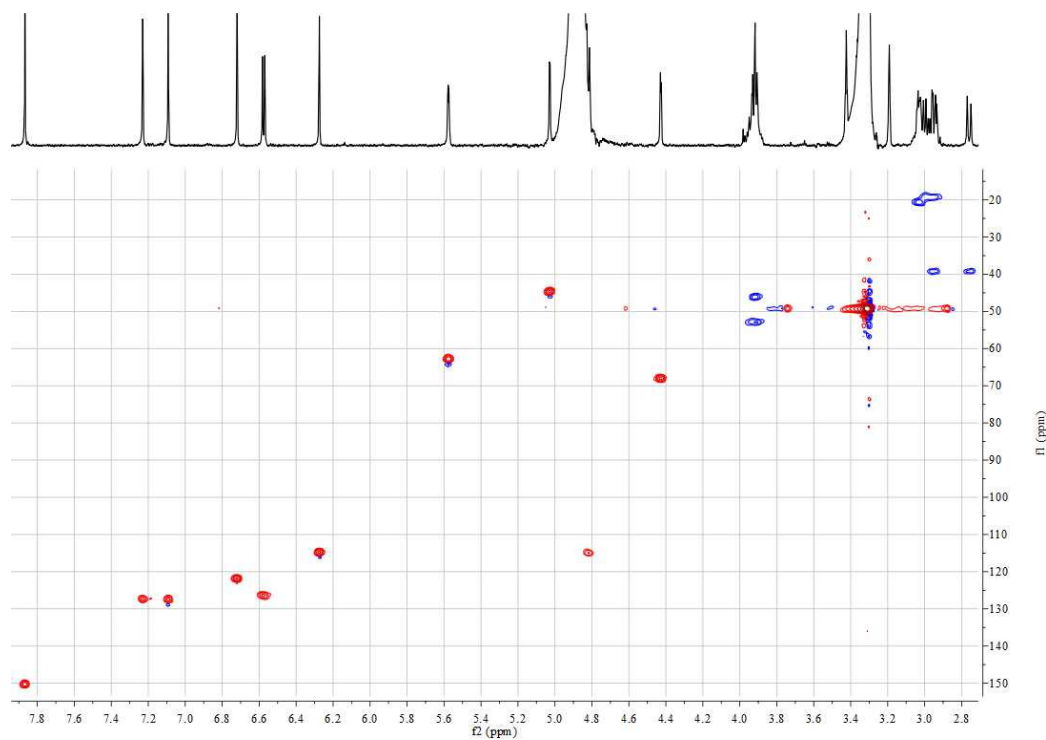


Figure S9. HMBC spectrum of compound 2 (TFA salt, 600 MHz, CD₃OD).

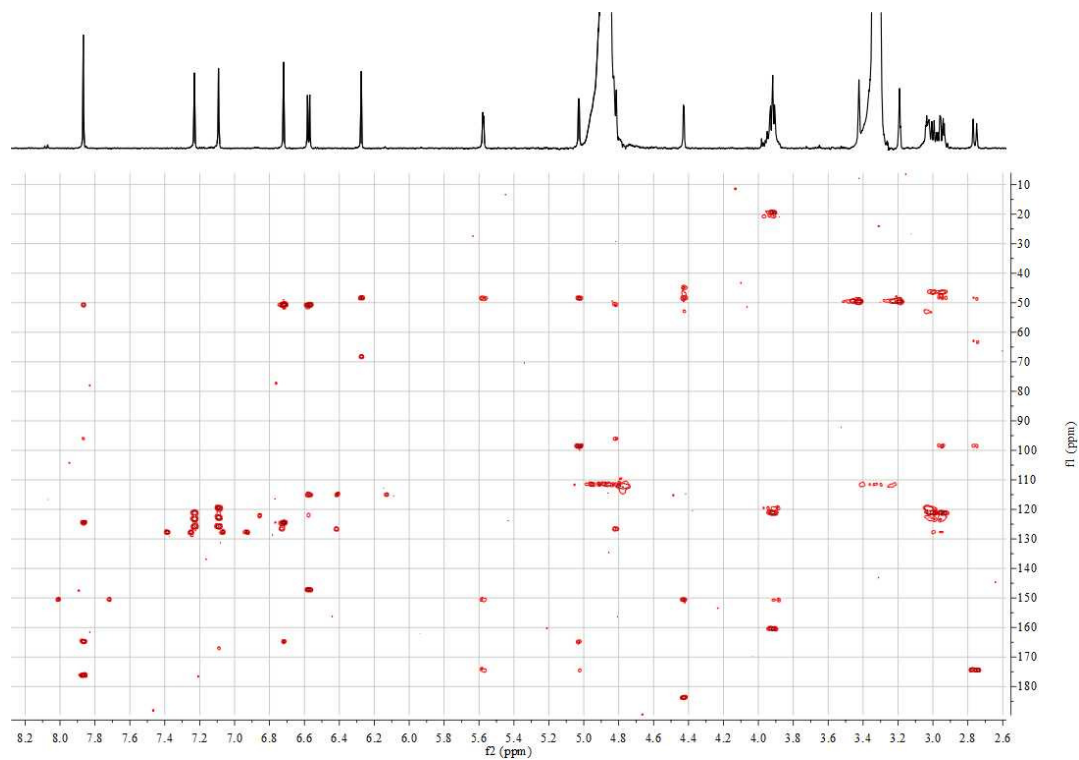


Figure S10. COSY spectrum of compound 2 (TFA salt, 600 MHz, CD₃OD).

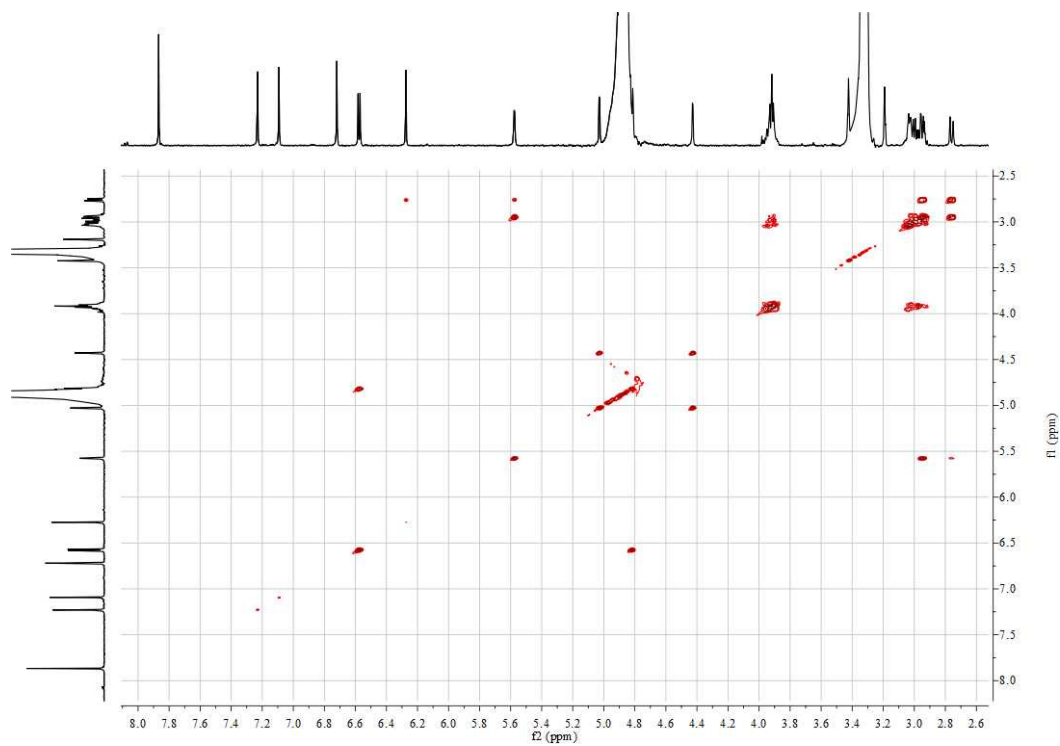


Figure S11. NOESY spectrum of compound 2 (TFA salt, 600 MHz, CD₃OD).

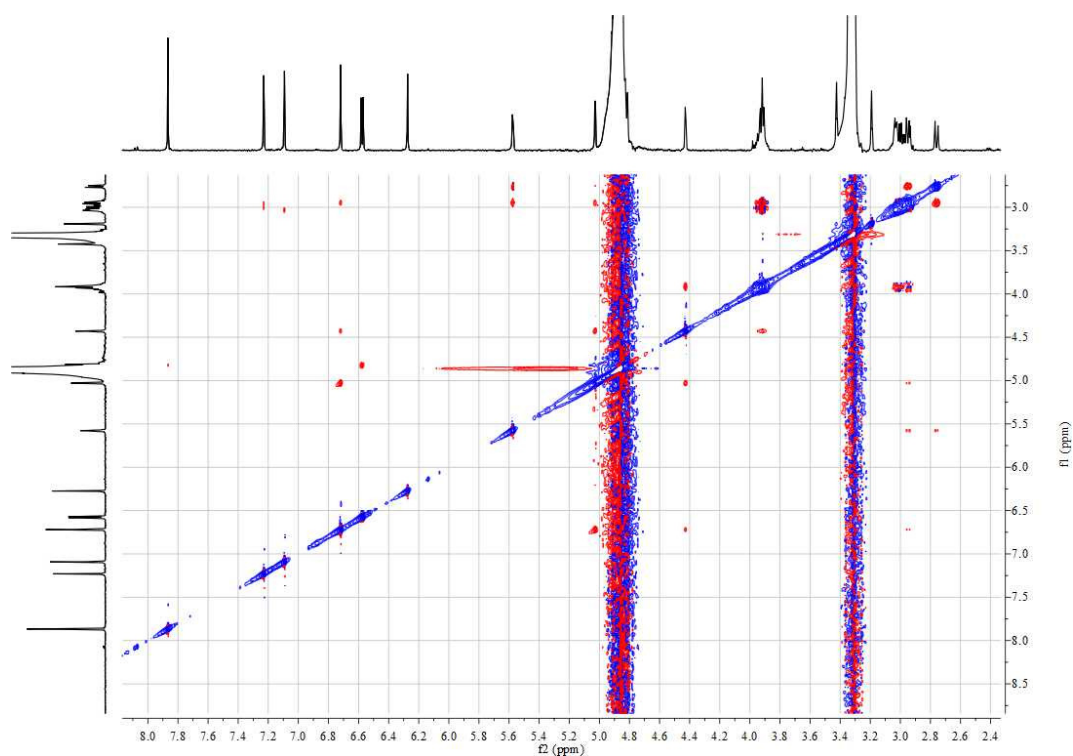


Figure S12. HR-ESIMS spectrum of compound 2.

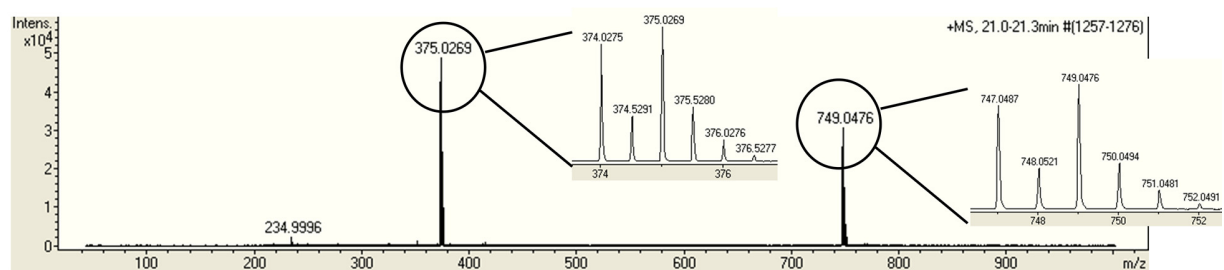


Figure S13. ¹H NMR spectrum of compound 3 (TFA salt, 600 MHz, CD₃OD).

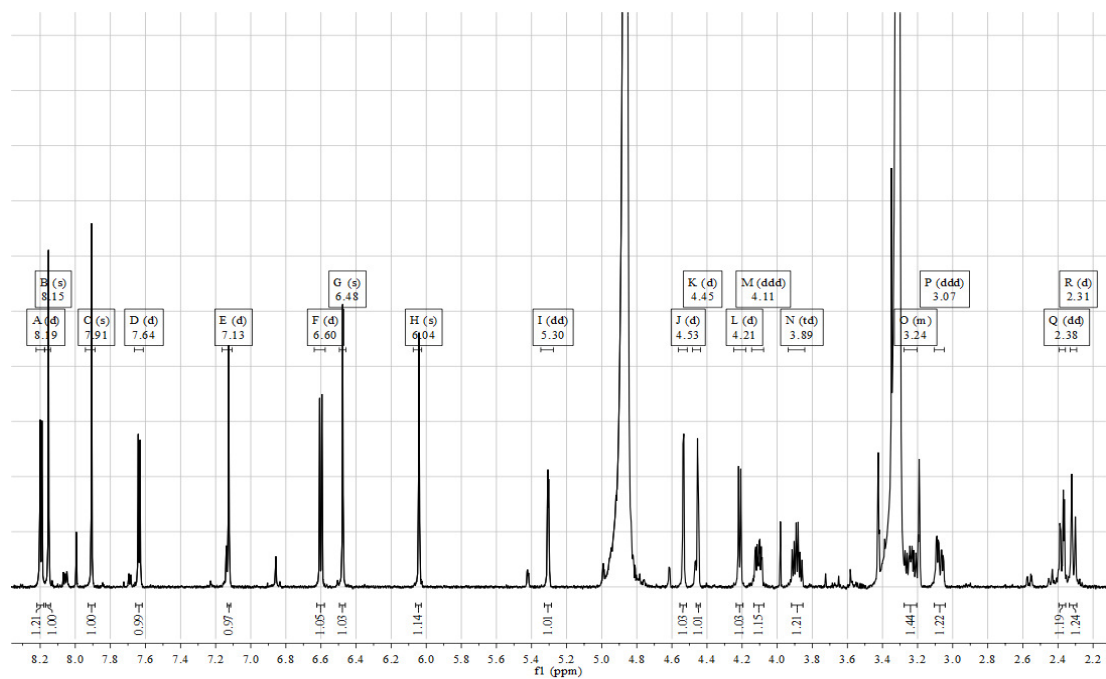


Figure S14. ¹³C NMR spectrum of compound 3 (TFA salt, 150MHz, CD₃OD).

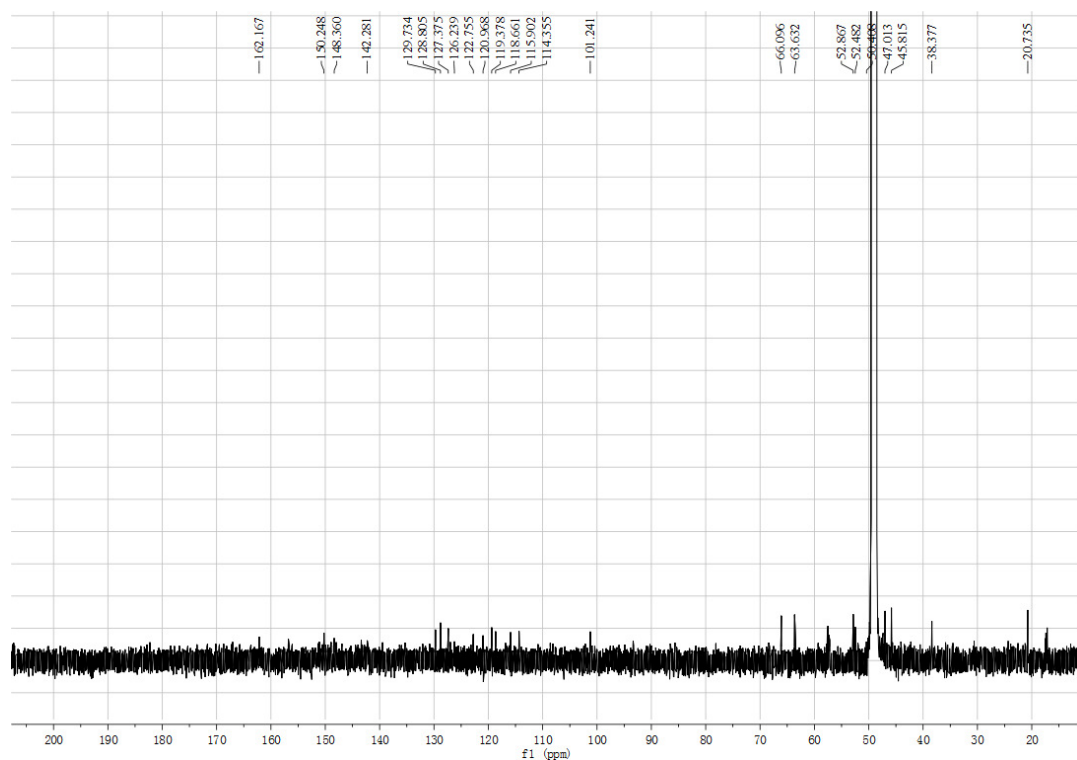


Figure S15. HSQC spectrum of compound 3 (TFA salt, 600 MHz, CD₃OD).

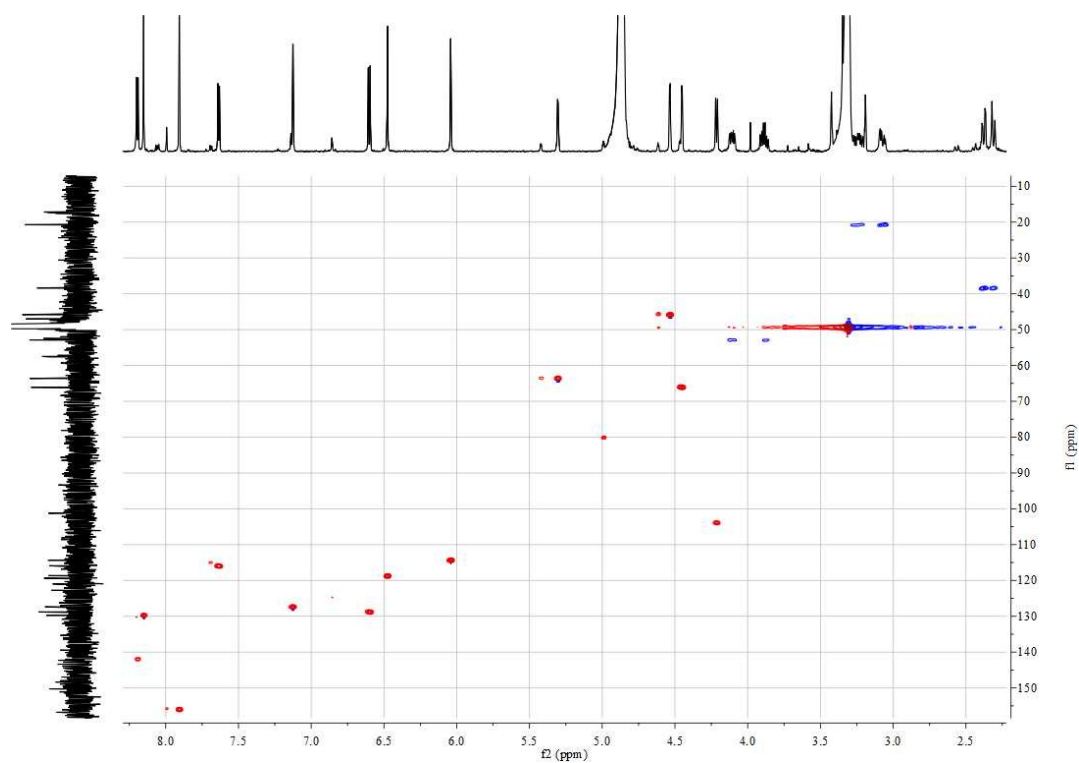


Figure S16. HMBC spectrum of compound 3 (TFA salt, 600 MHz, CD₃OD).

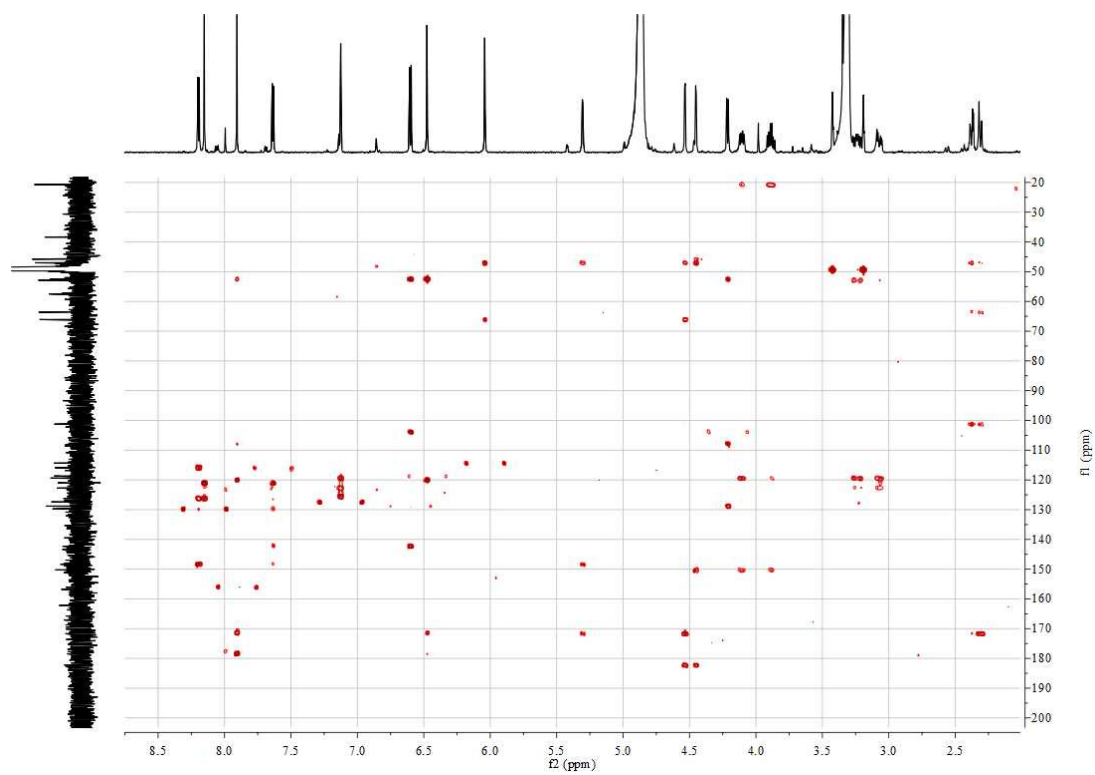


Figure S17. COSY spectrum of compound 3 (TFA salt, 600 MHz, CD₃OD).

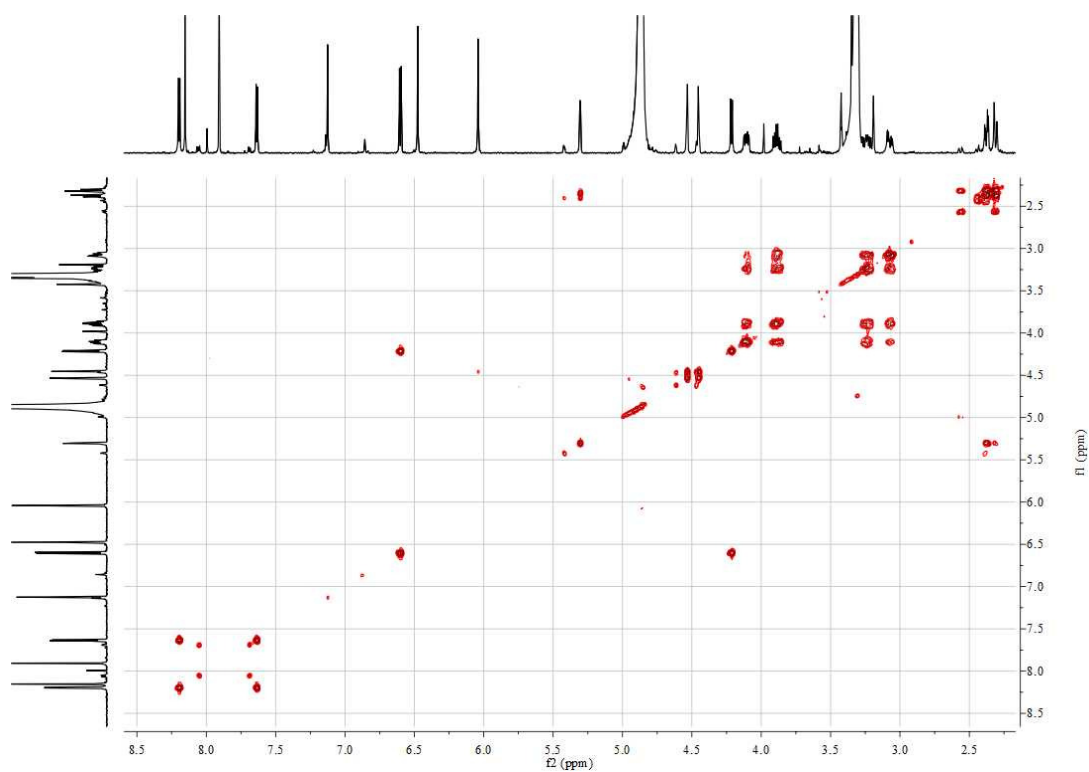


Figure S18. NOESY spectrum of compound 3 (TFA salt, 600 MHz, CD₃OD).

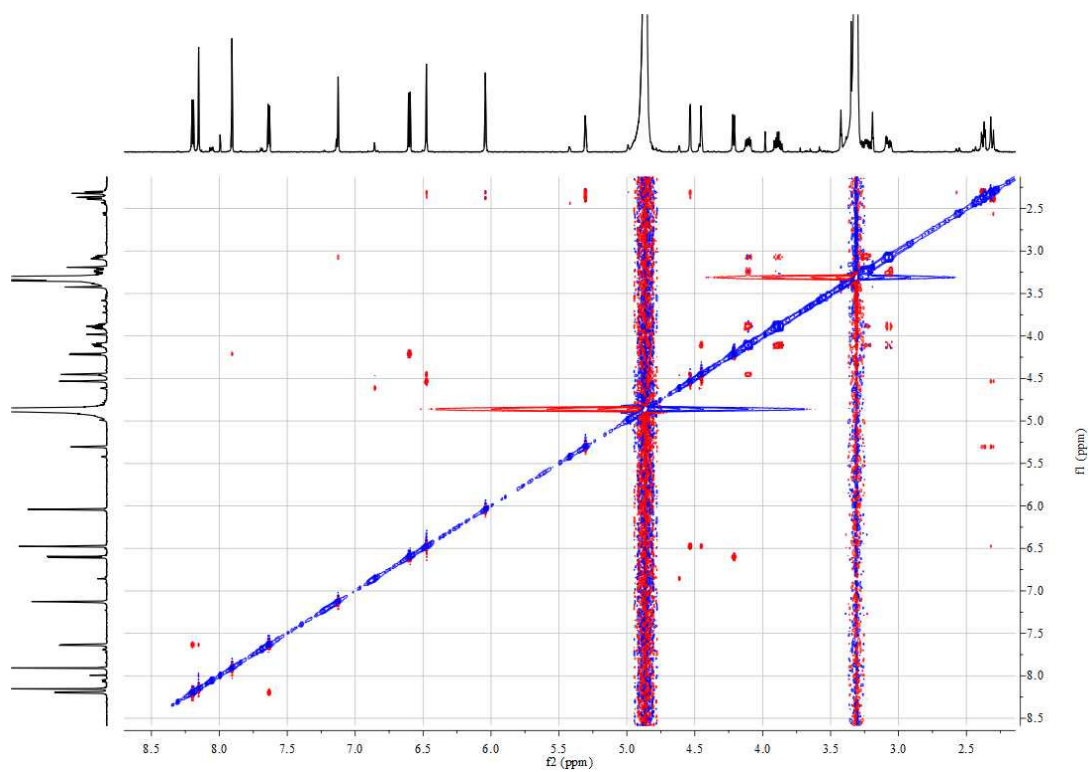


Figure S19. HR-ESIMS spectrum of compound **3**.

