

## Supporting Information (SI)

### **Narjatamanins A and B, a pair of novel epimers possessing a 2,3-*seco*-iridoid skeleton with an unusual 1,10-oxygen bridge from *Nardostachys jatamansi* and evaluation of their effects on worm paralysis in *AD C. elegans***

Ye Zhao,<sup>a</sup> Bing Li,<sup>a</sup> Yi-Fan Yu,<sup>a</sup> Pei-Qian Wu,<sup>a</sup> Chun-Xue Yu,<sup>a</sup> Pan-Jie Su,<sup>a</sup> De-Juan Zhi,<sup>a</sup> Feng-Ming Qi,<sup>b</sup> Dong-Qing Fei<sup>\*a</sup> and Zhan-Xin Zhang<sup>\*a</sup>

<sup>a</sup> School of Pharmacy, Lanzhou University, Lanzhou 730000, People's Republic of China.

<sup>b</sup> State Key Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, People's Republic of China

\* Corresponding authors.

E-mail address: E-mail: feidq@lzu.edu.cn (D.Q. Fei); zhangzhx@lzu.edu.cn (Z.X. Zhang)

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Figure S1. <sup>1</sup>H NMR spectrum (600 MHz) of narjatamanin A (**1**) in CDCl<sub>3</sub>

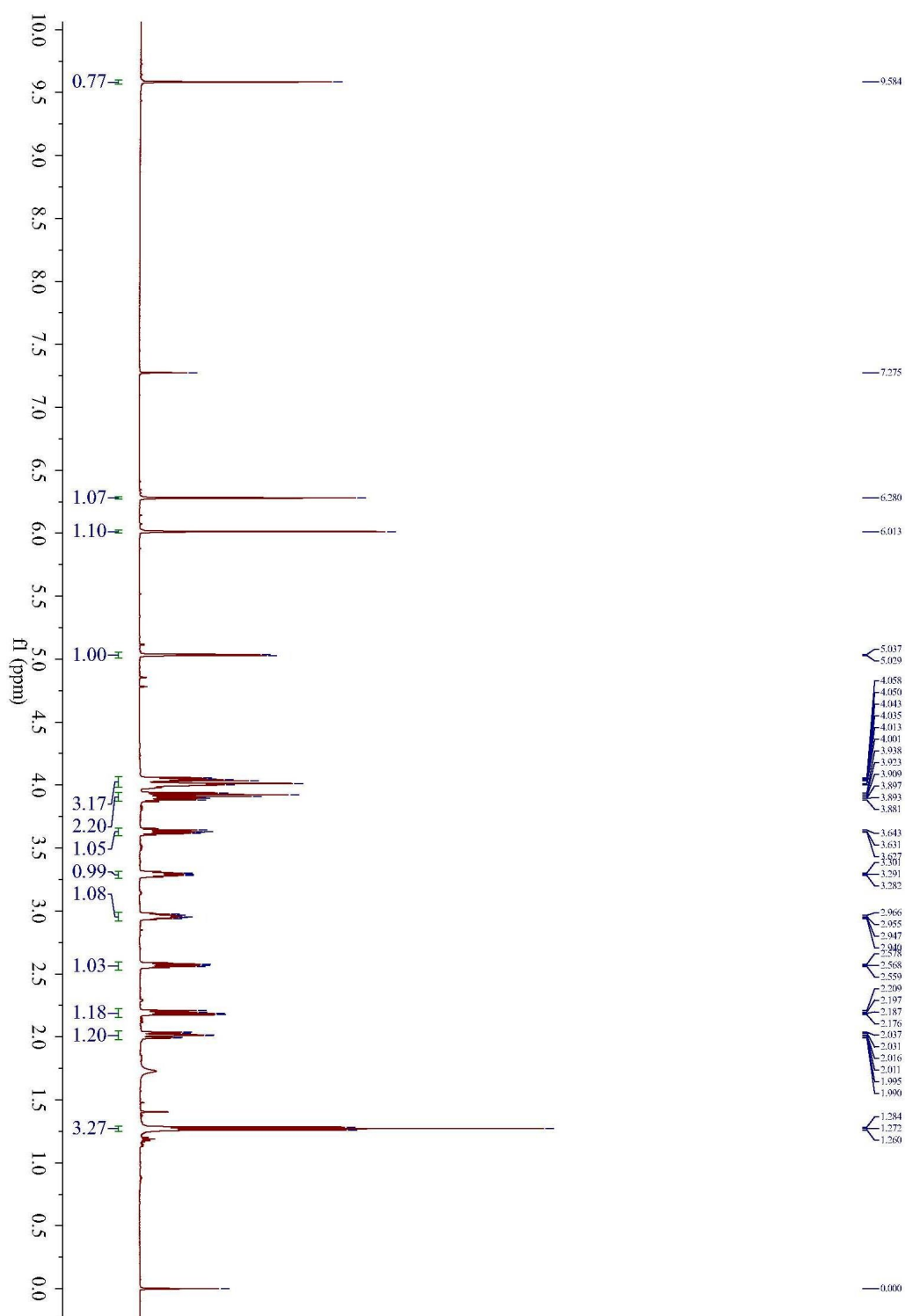
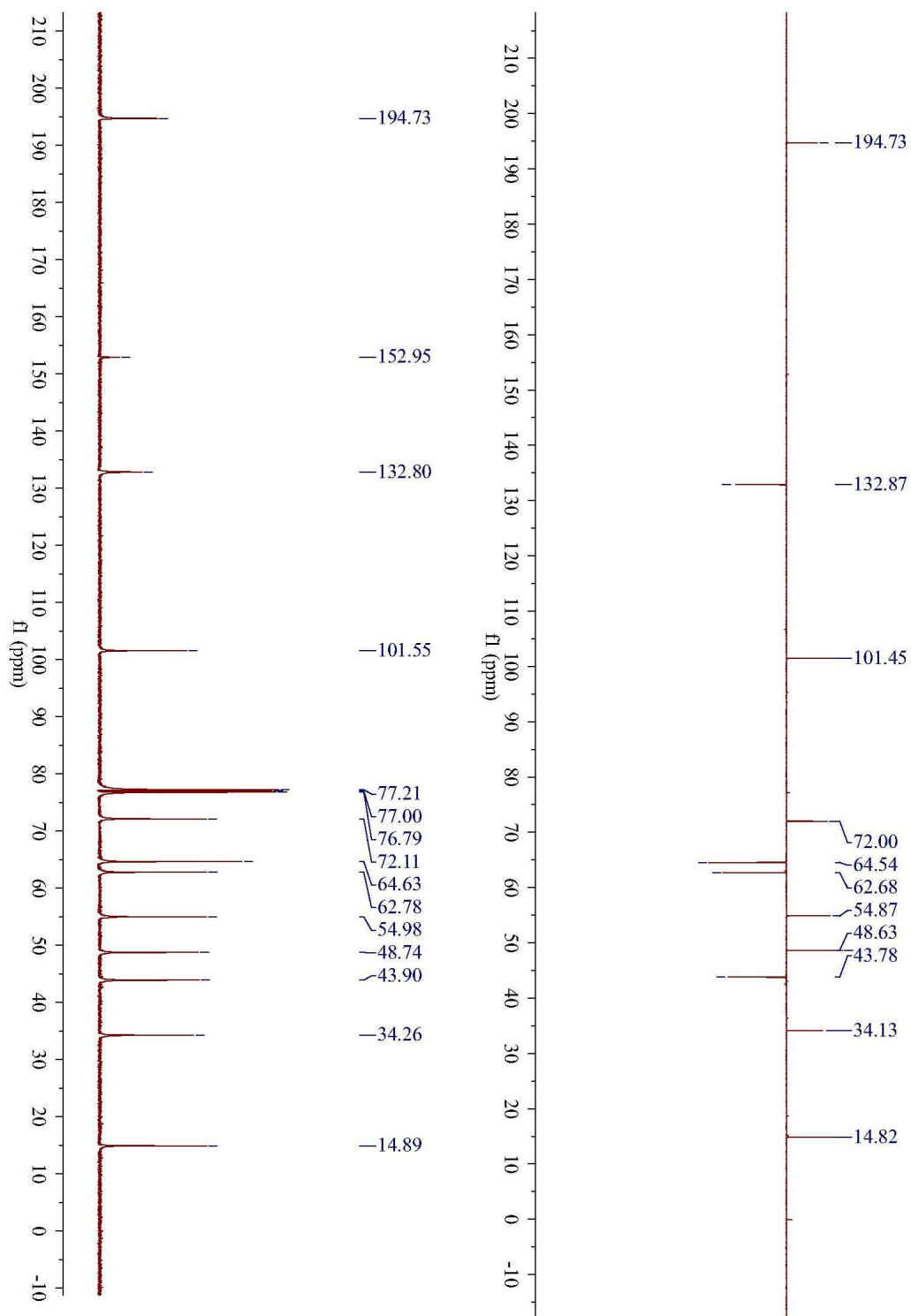


Figure S2.  $^{13}\text{C}$  NMR spectrum (150 MHz) of narjatamanin A (**1**) in  $\text{CDCl}_3$



**Figure S3.** HSQC spectrum of narjatamanin A (**1**) in CDCl<sub>3</sub>

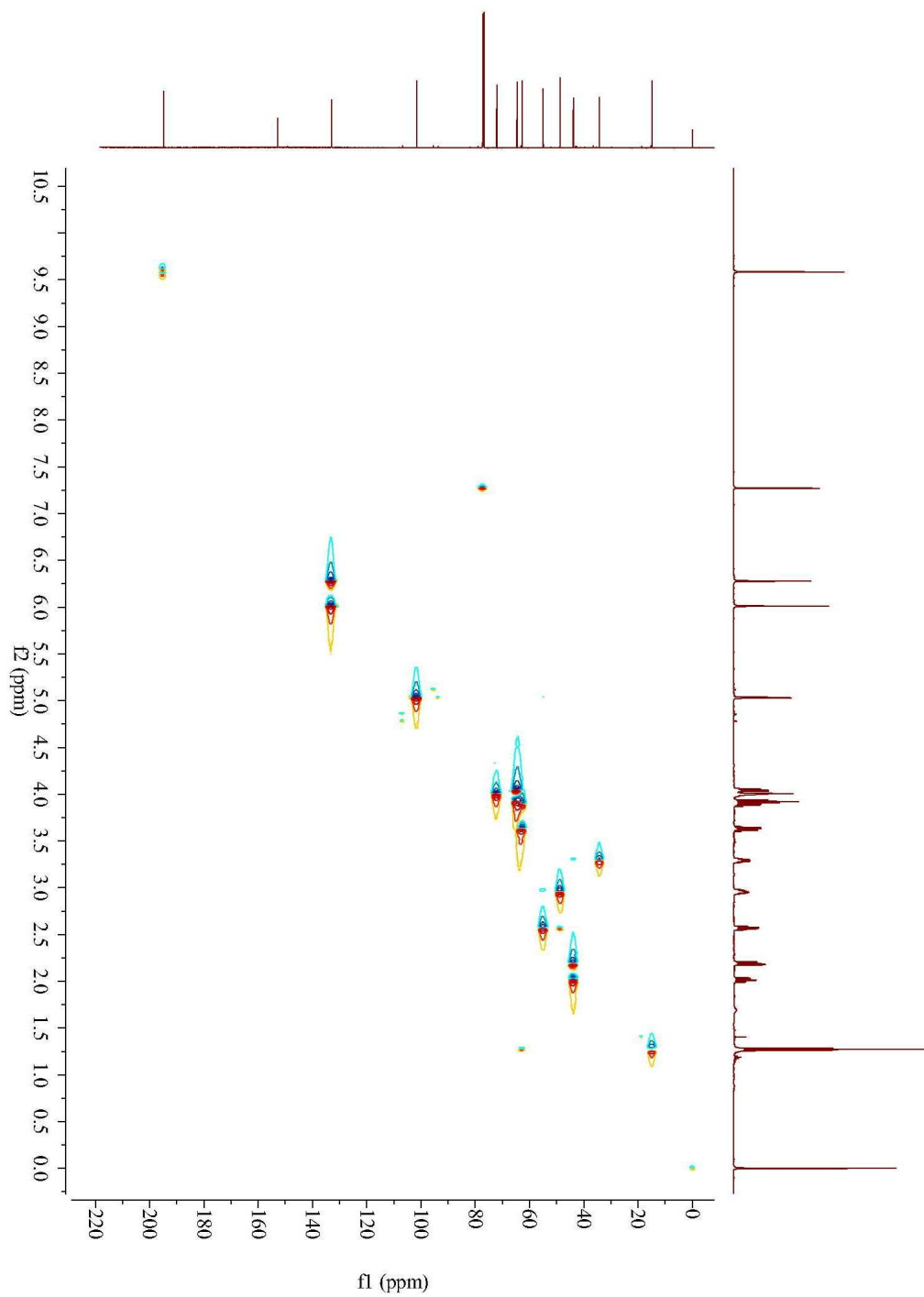


Figure S4. HMBC spectrum of narjatamanin A (**1**) in CDCl<sub>3</sub>

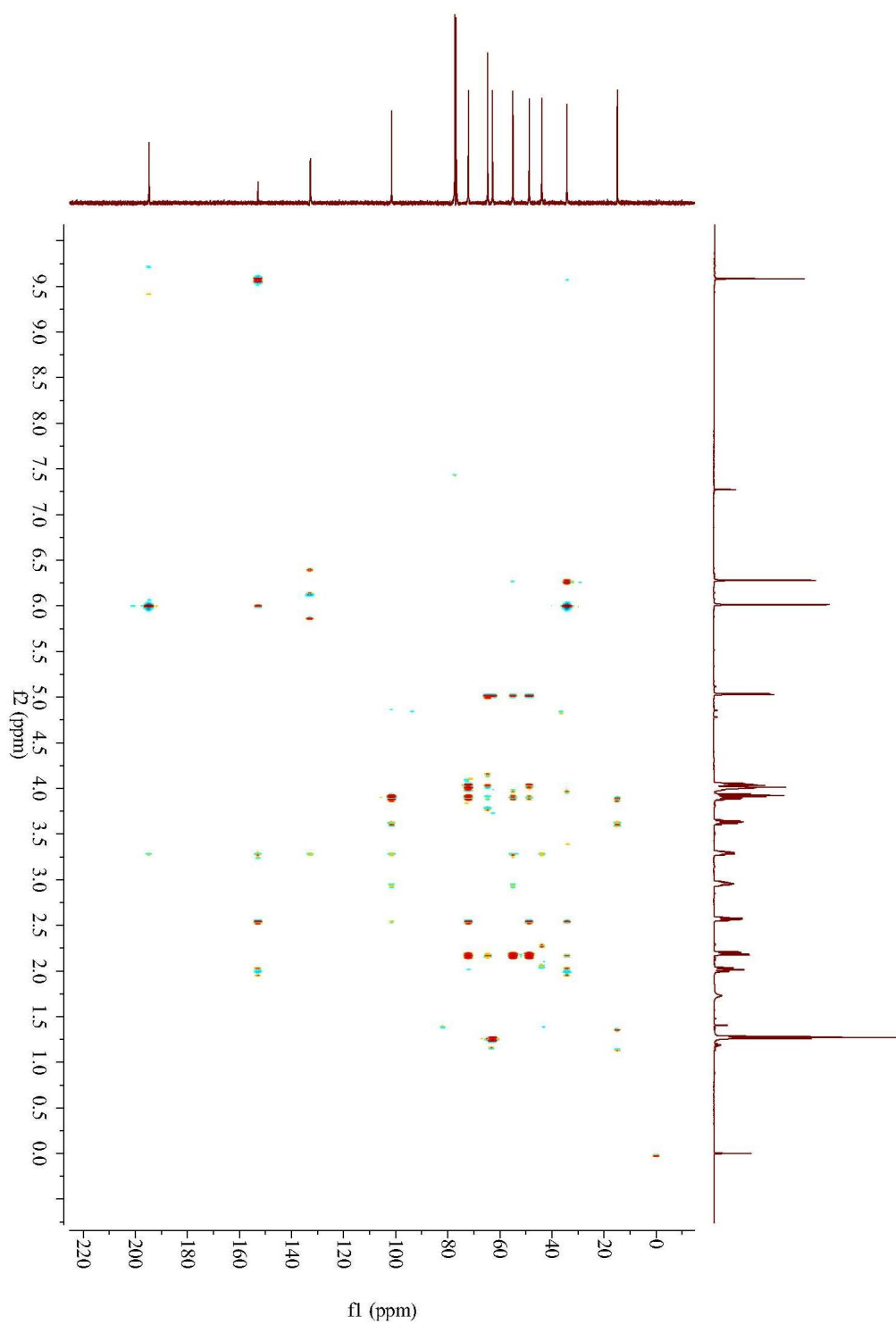
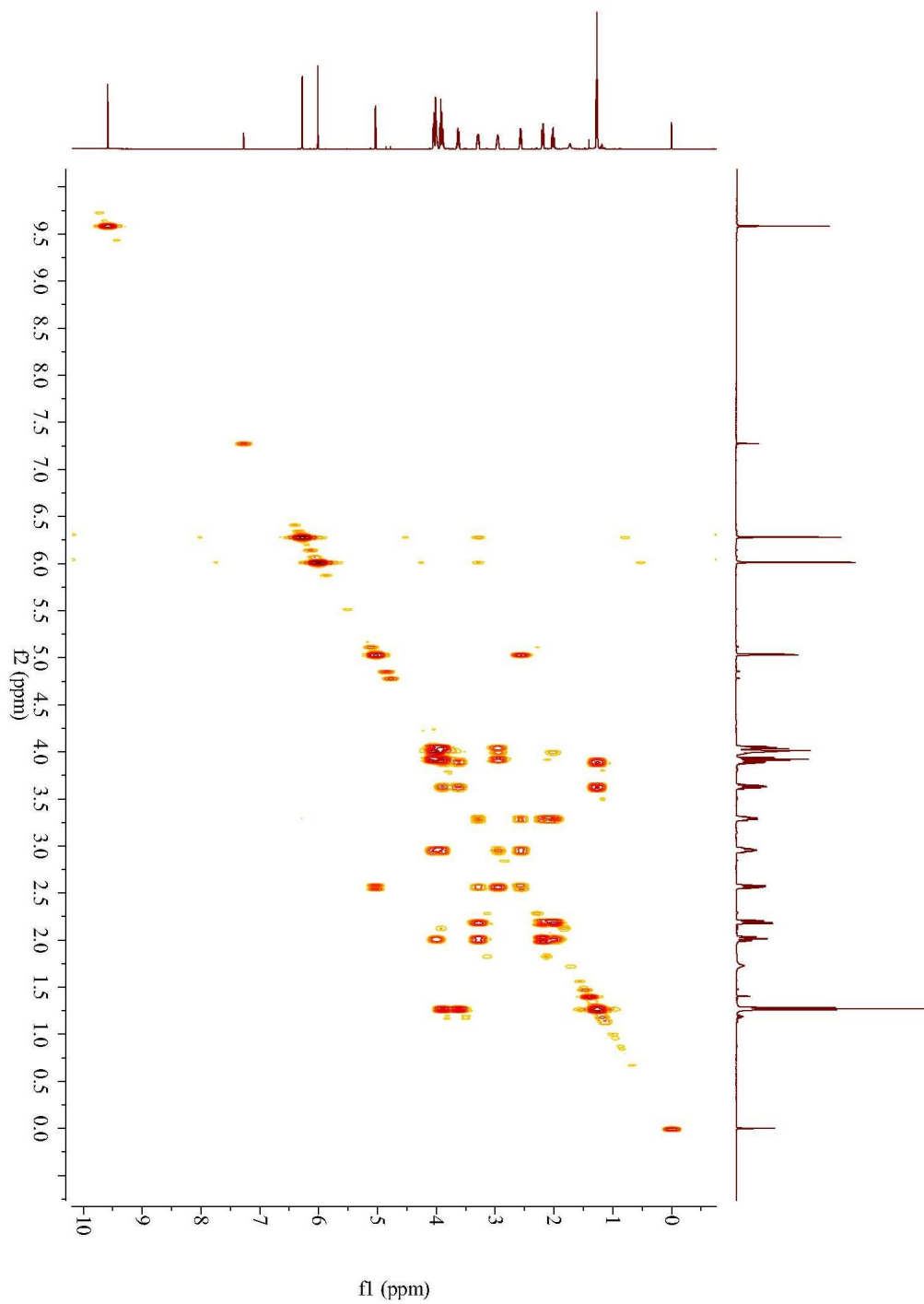


Figure S5.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of narjatamanin A (**1**) in  $\text{CDCl}_3$



**Figure S6.** NOESY spectrum of narjatamanin A (**1**) in CDCl<sub>3</sub>

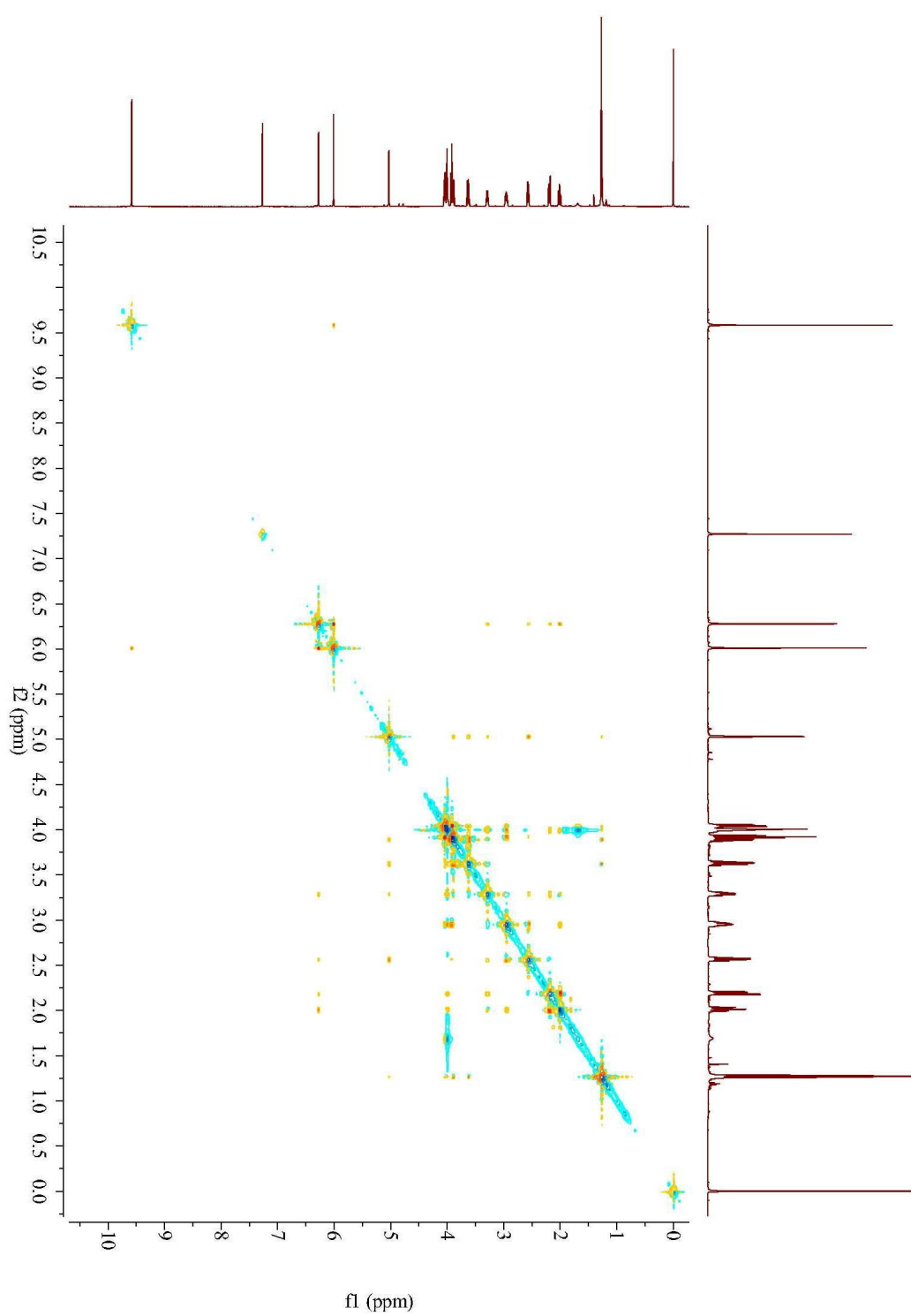




Figure S7. HRESIMS spectrum of narjatamanin A (1)

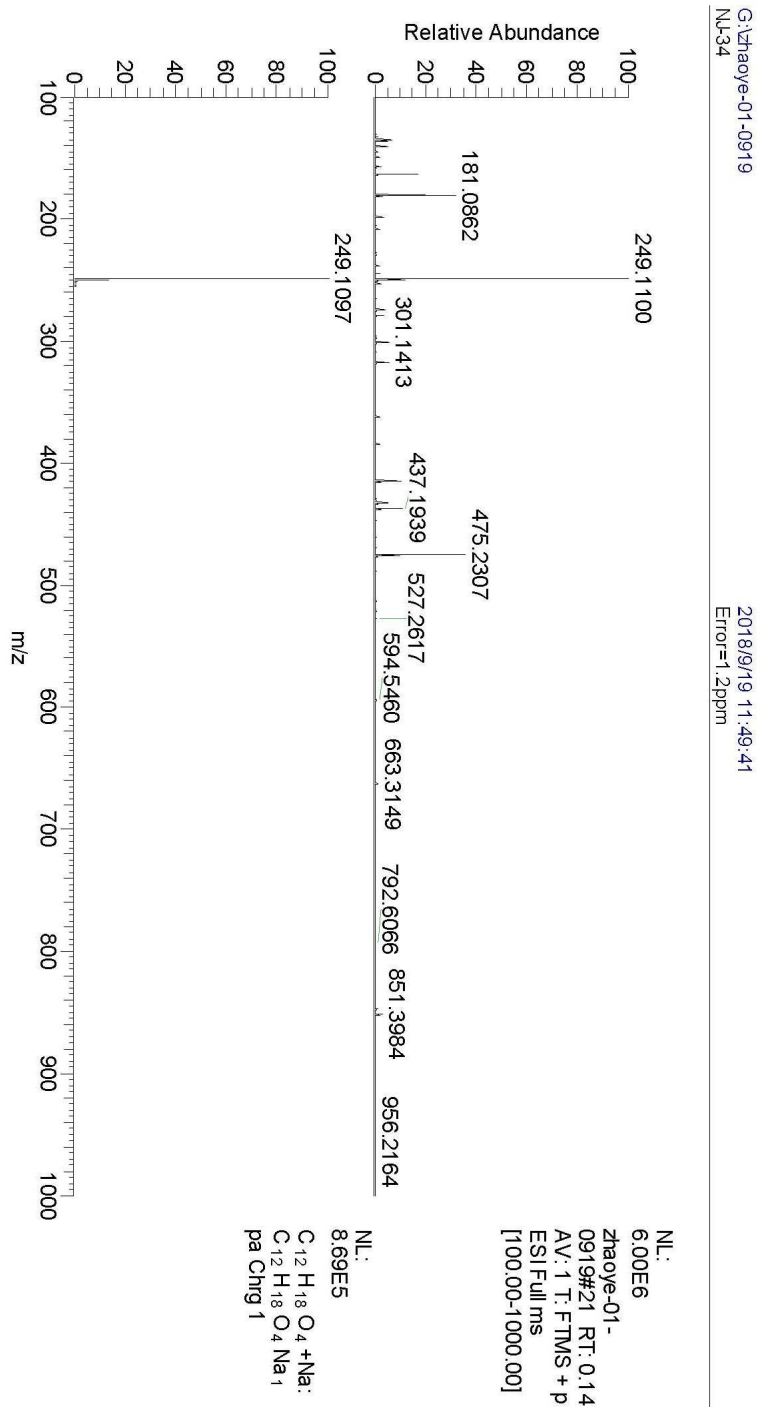


Figure S8. IR spectrum of narjatamanin A (1)

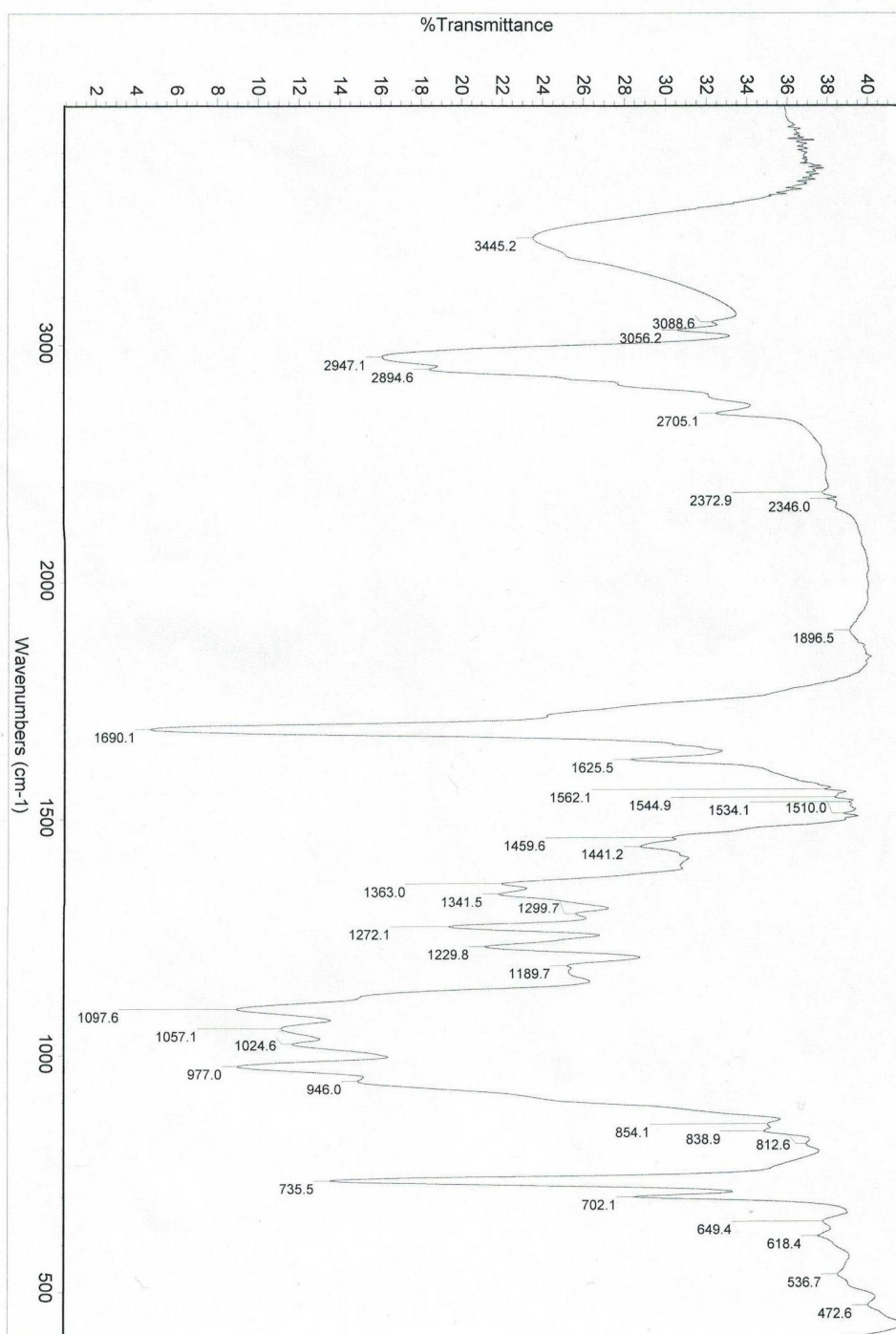


Figure S9.  $^1\text{H}$  NMR spectrum (600 MHz) of narjatamanin B (**2**) in  $\text{CDCl}_3$

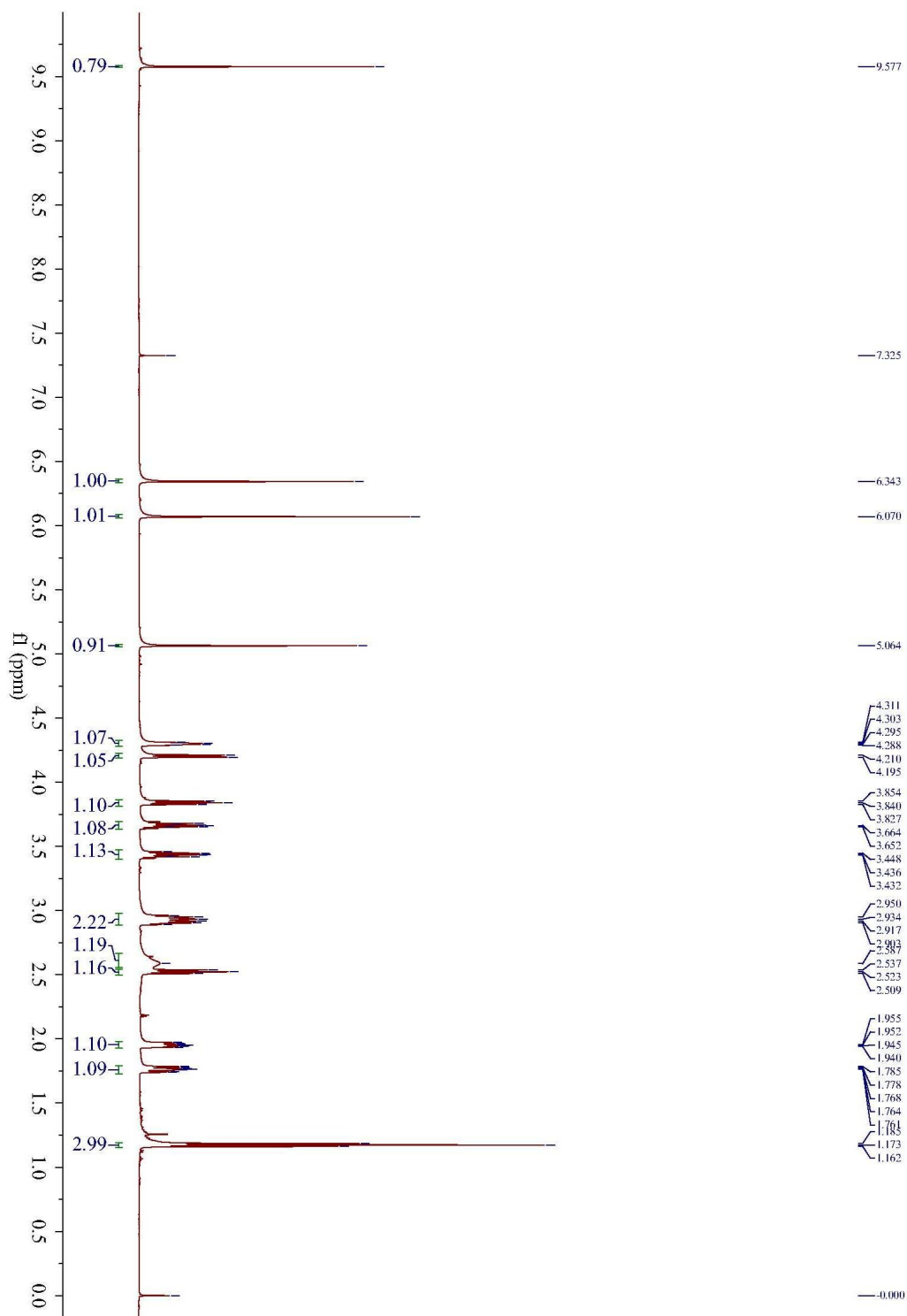


Figure S10.  $^{13}\text{C}$  NMR spectrum (150 MHz) of narjatamanin B (**2**) in  $\text{CDCl}_3$

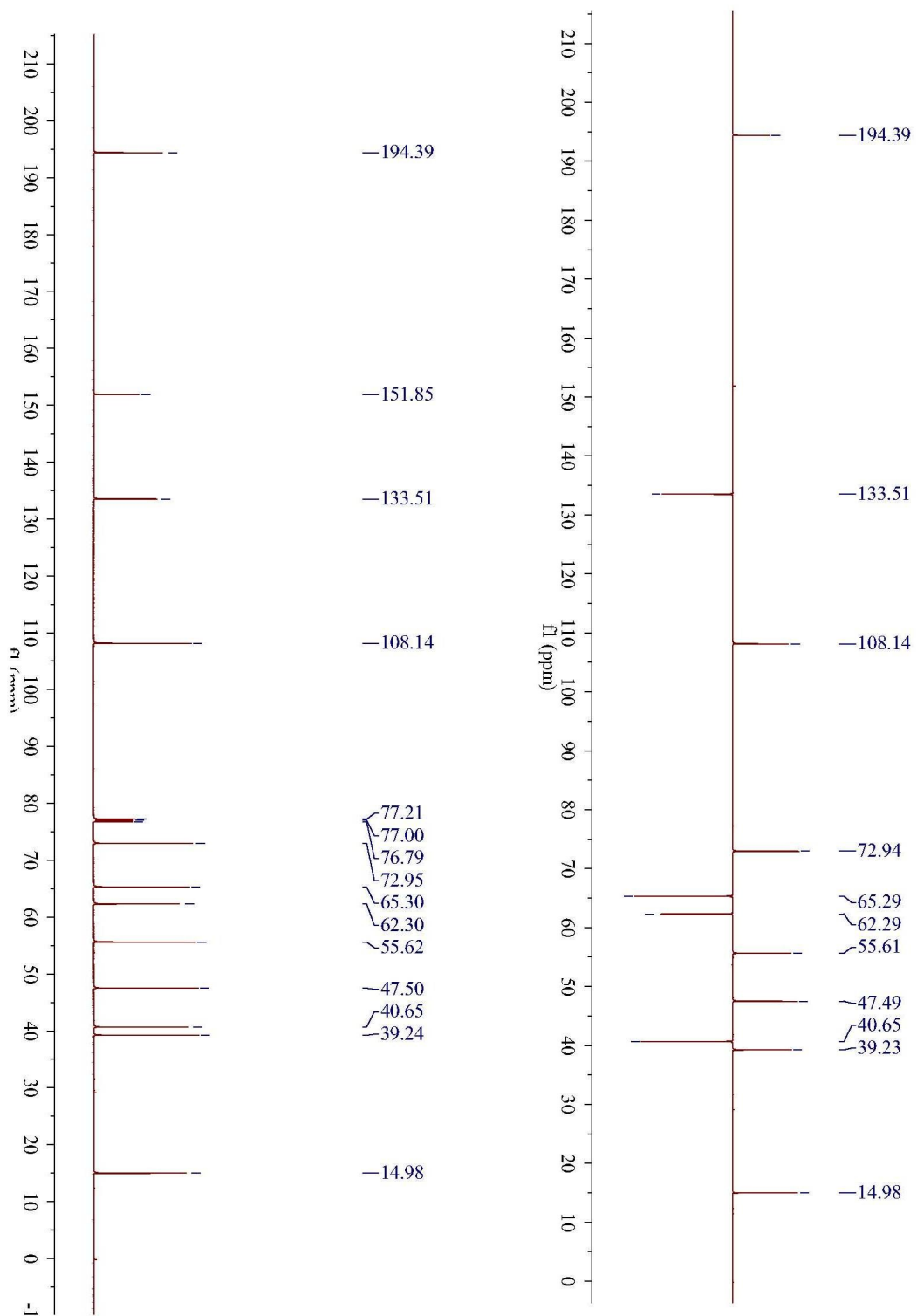


Figure S11. HSQC spectrum of narjatamanin B (2) in CDCl<sub>3</sub>

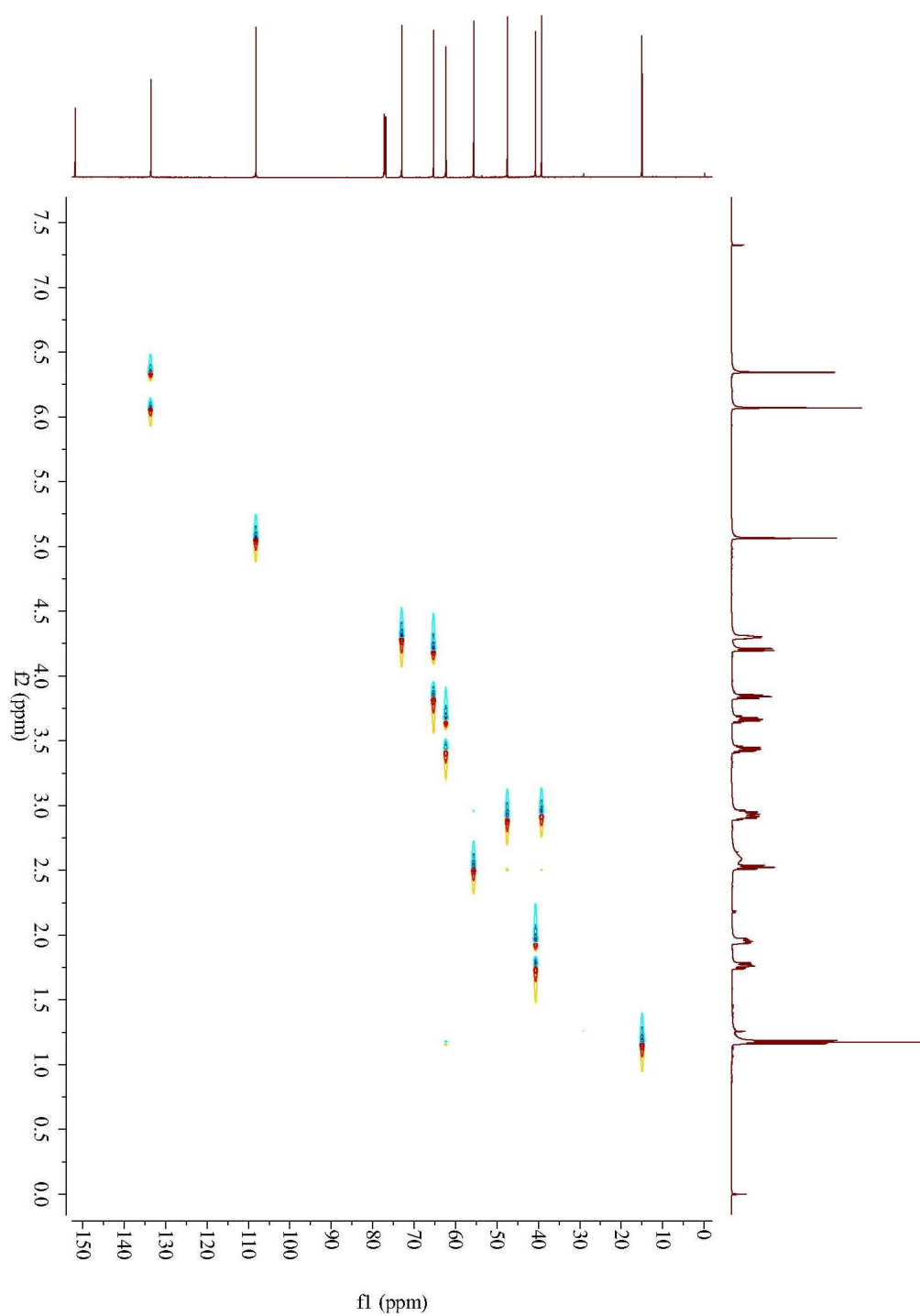


Figure S12. HMBC spectrum of narjatamanin B (2) in CDCl<sub>3</sub>

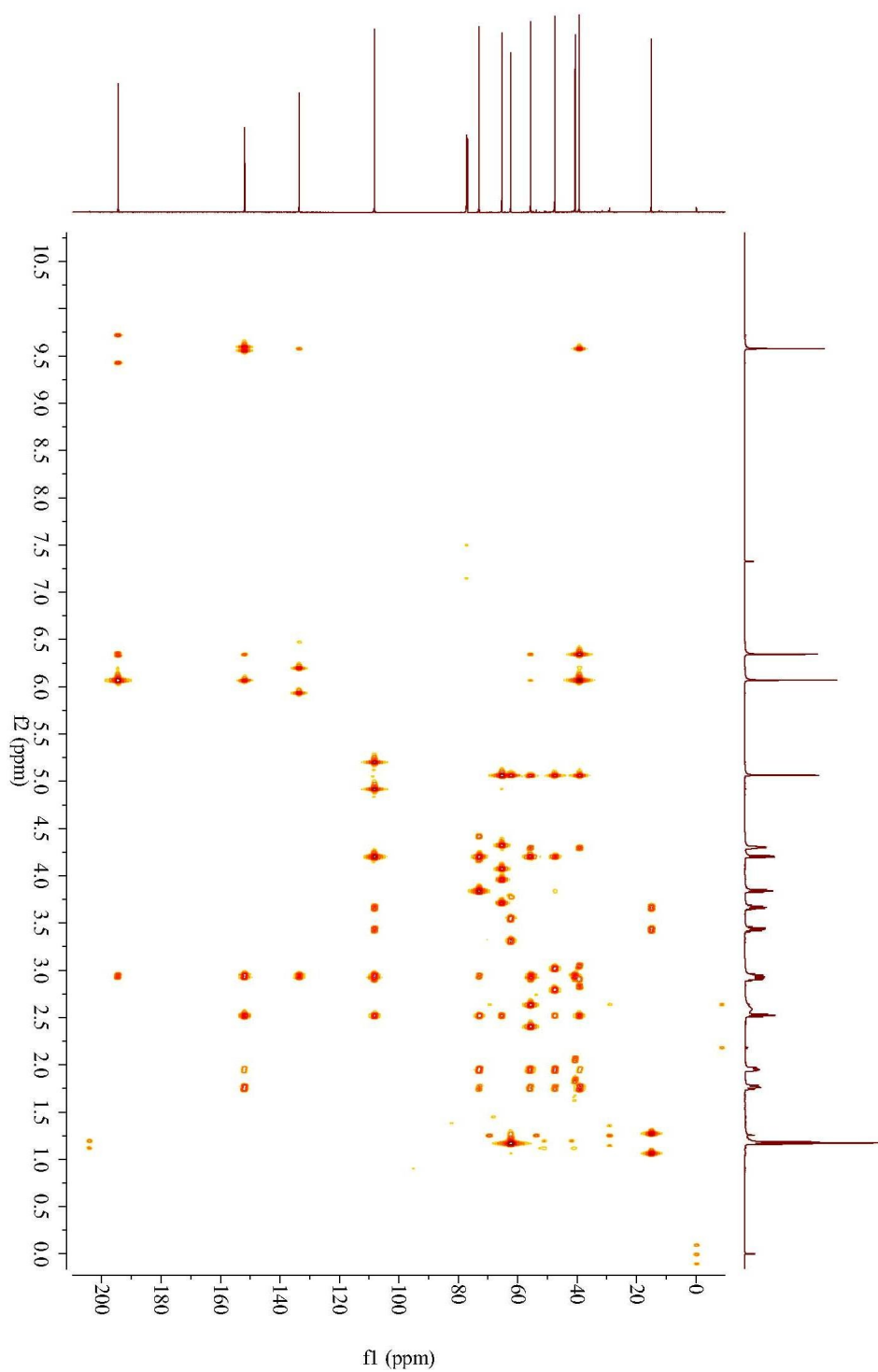


Figure S13.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of narjatamanin B (**2**) in  $\text{CDCl}_3$

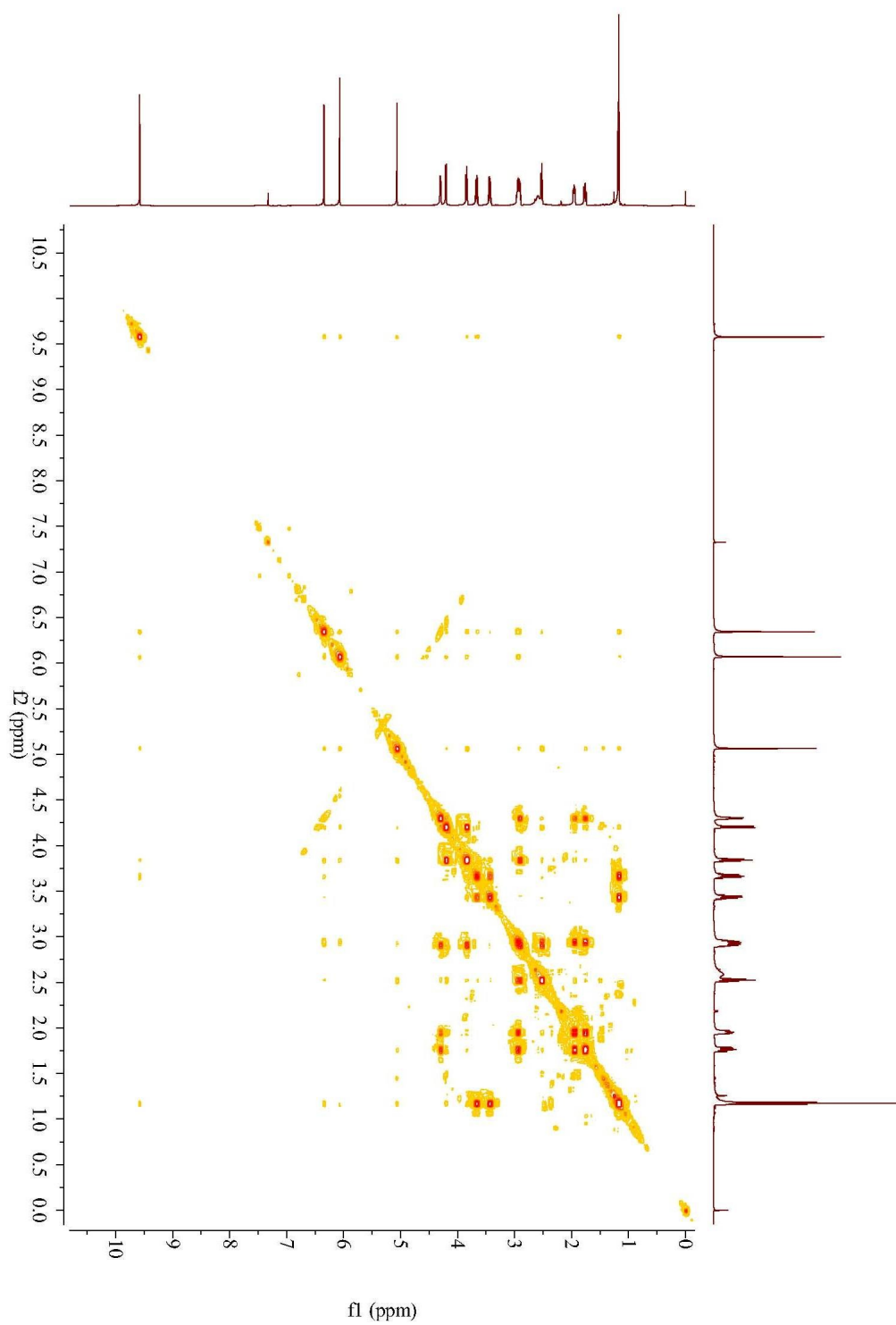


Figure S14. NOESY spectrum of narjatamanin B (2) in CDCl<sub>3</sub>

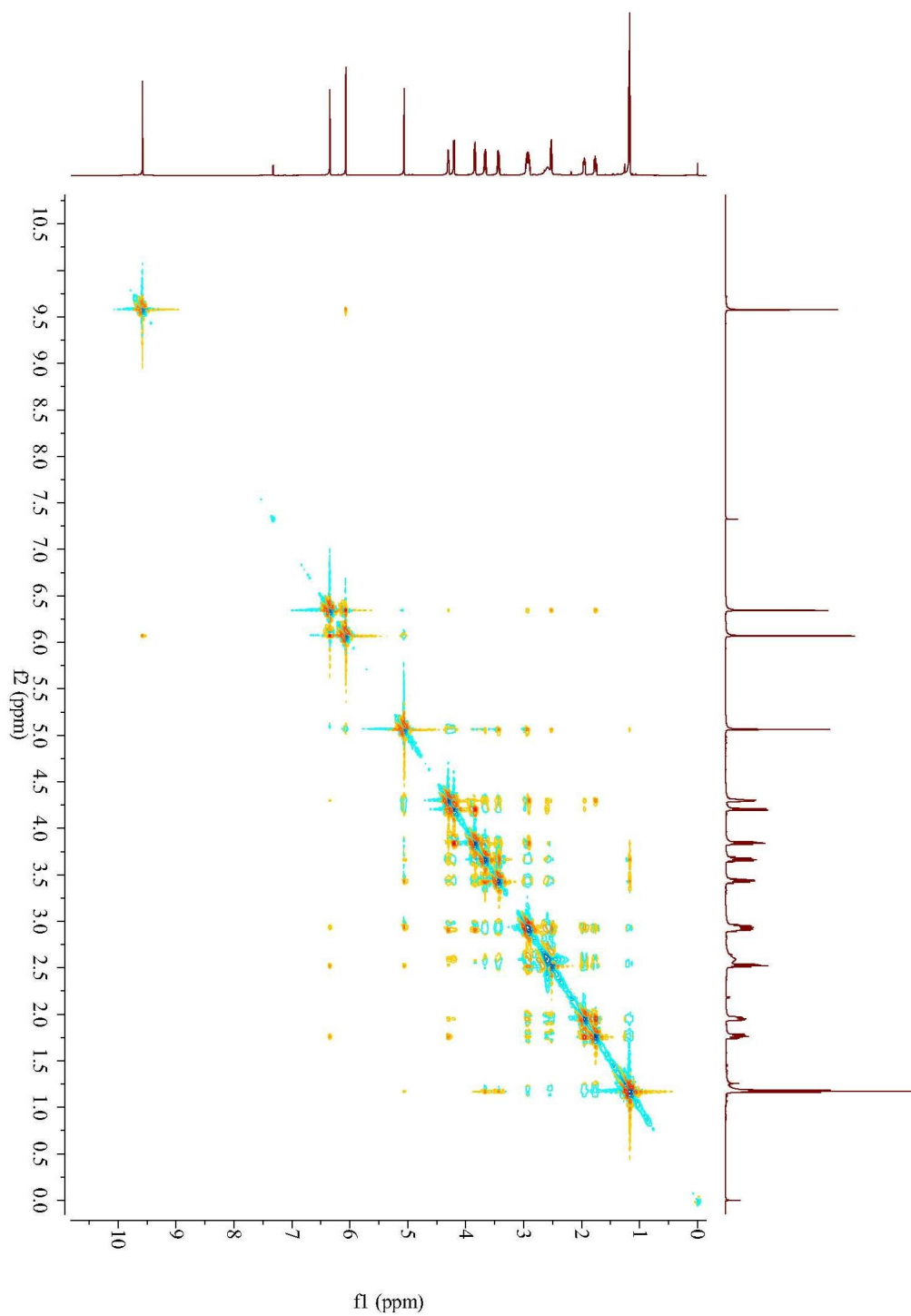




Figure S15. HRESIMS spectrum of narjatamanin B (2)

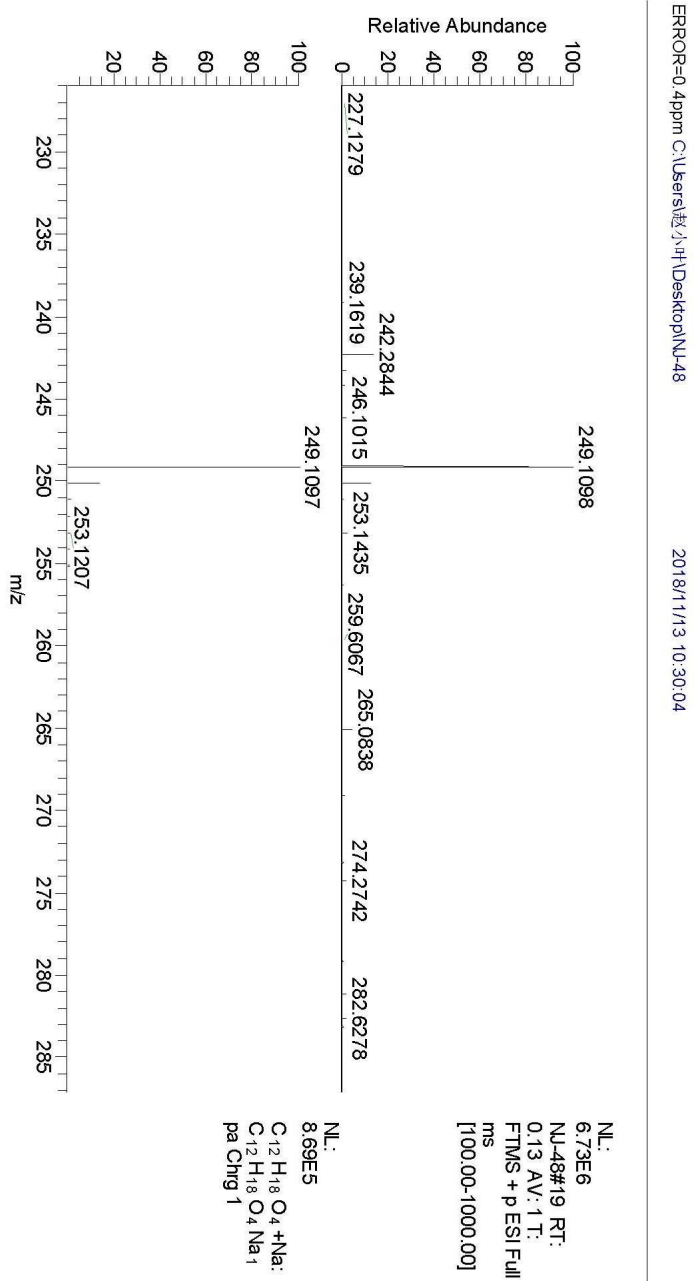


Figure S16. IR spectrum of narjatamanin B (2)

