

# Brazoxido A, um Novo Triterpeno Tirucalano de *Pilocarpus spicatus* subsp. *Aracatensis* Kaastra

Rev. Virtual Quim., 2016, 8 (1), S1-S11. Data de publicação na Web: 5 de janeiro de 2016

<http://rvq.sbq.org.br>

## MATERIAL SUPLEMENTAR

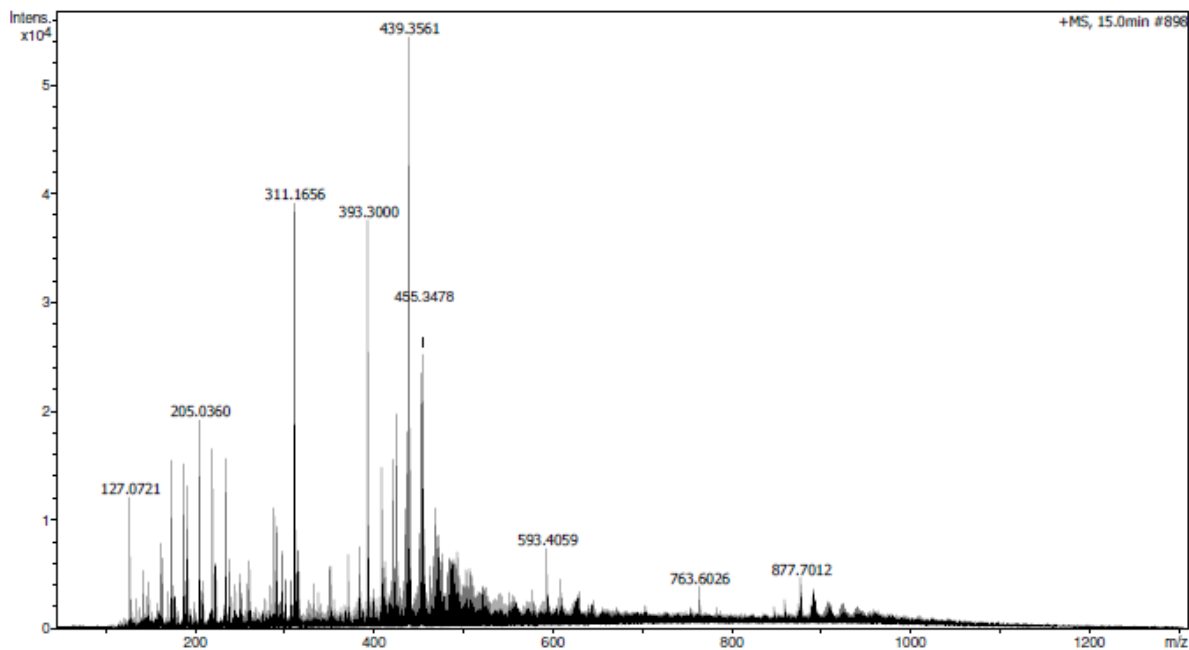


Figure S1. HR-ESI-MS spectrum of the compound 1

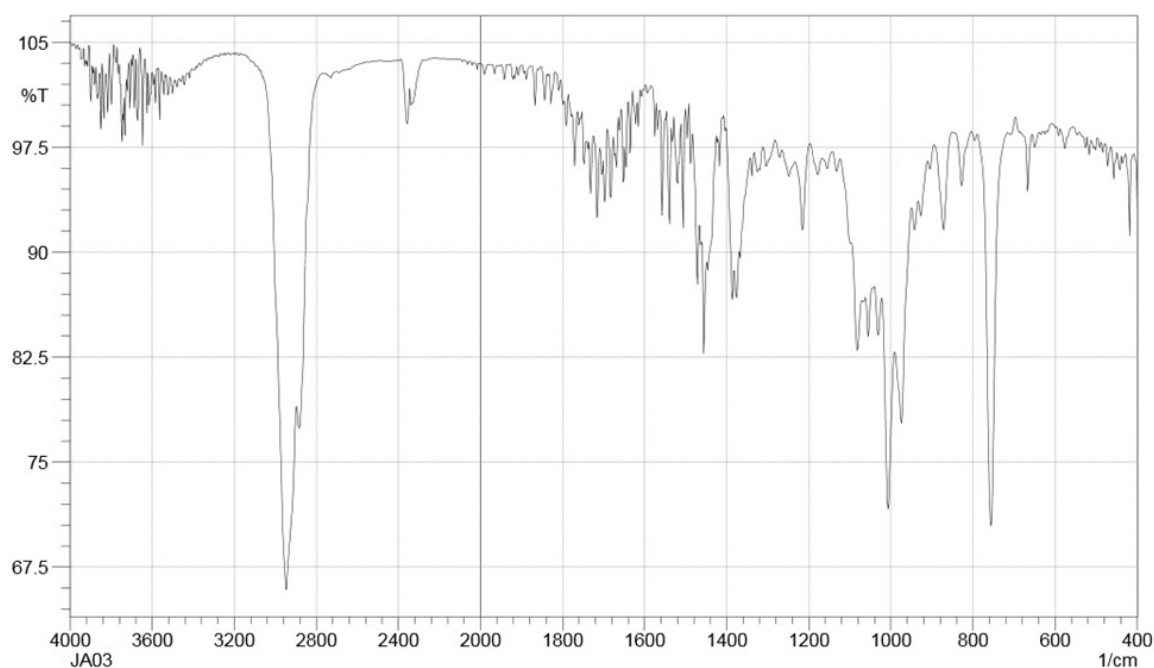
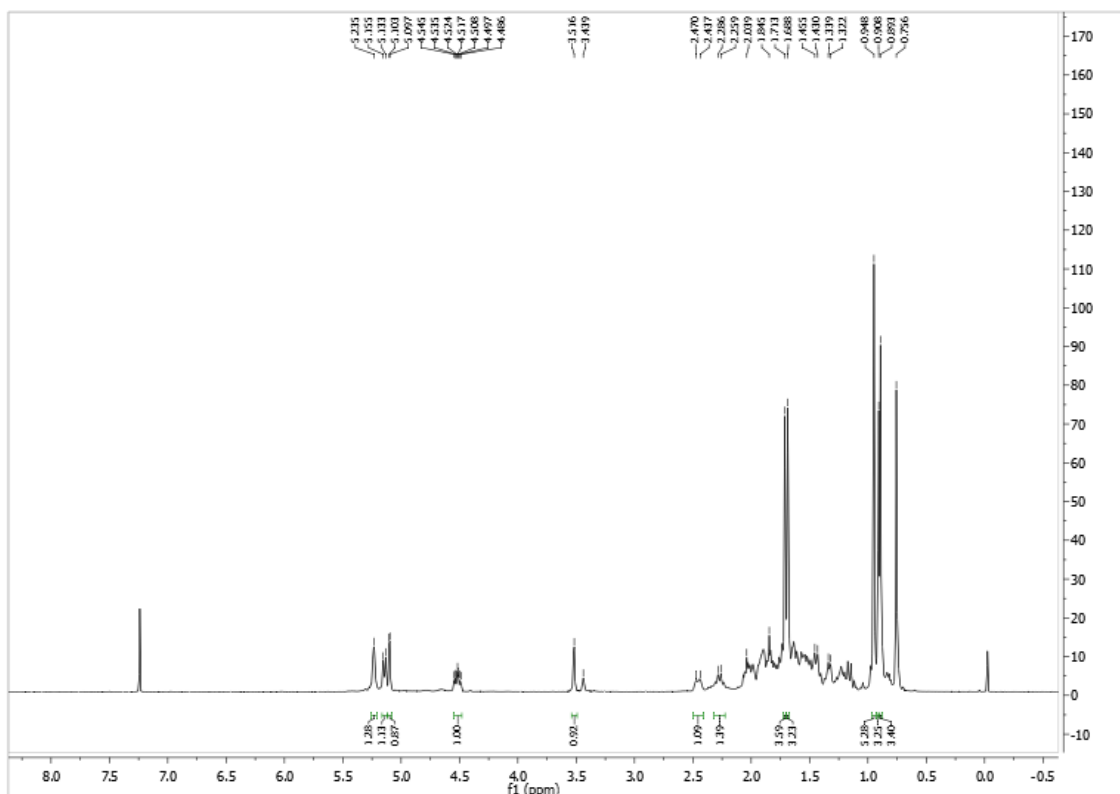
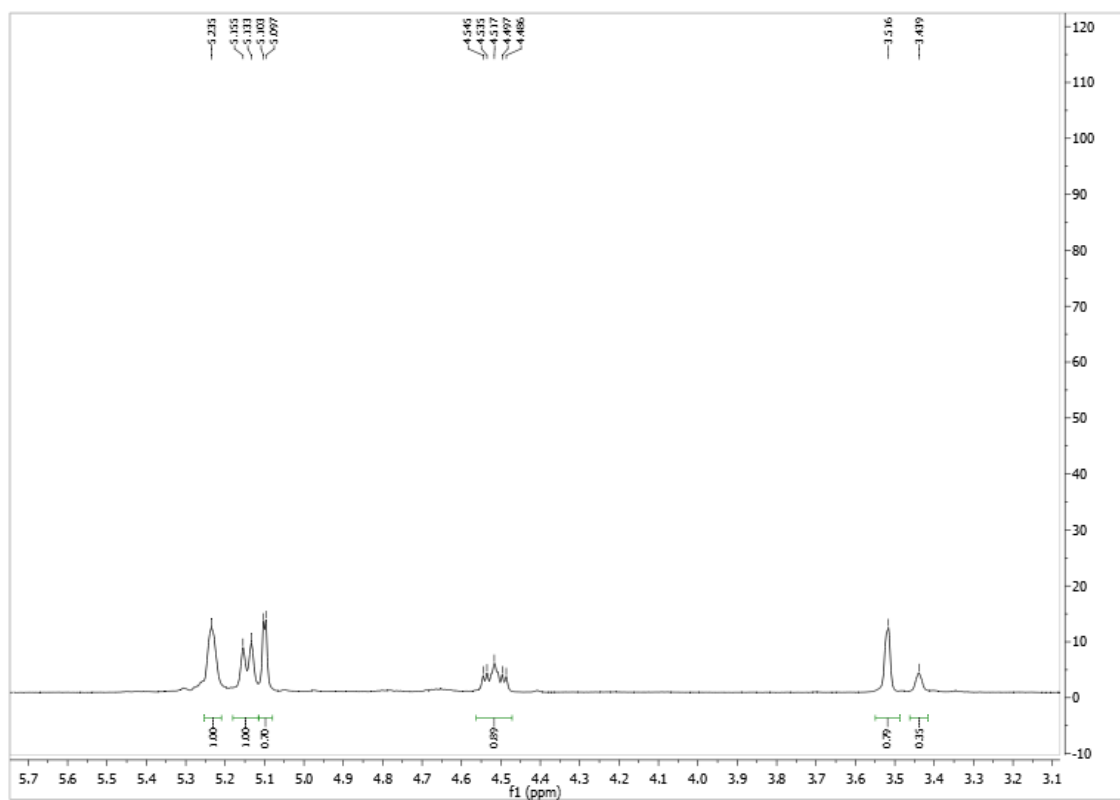


Figure S2. IR spectrum (KBr) of the compound 1



**Figure S3.**  $^1\text{H}$  NMR spectrum ( $\text{CDCl}_3$ , 400 MHz) of the compound **1**



**Figure S4.**  $^1\text{H}$  NMR spectrum ( $\text{CDCl}_3$ , 400 MHz,  $\delta_{\text{H}}$  5.7-3.1) of the compound **1**

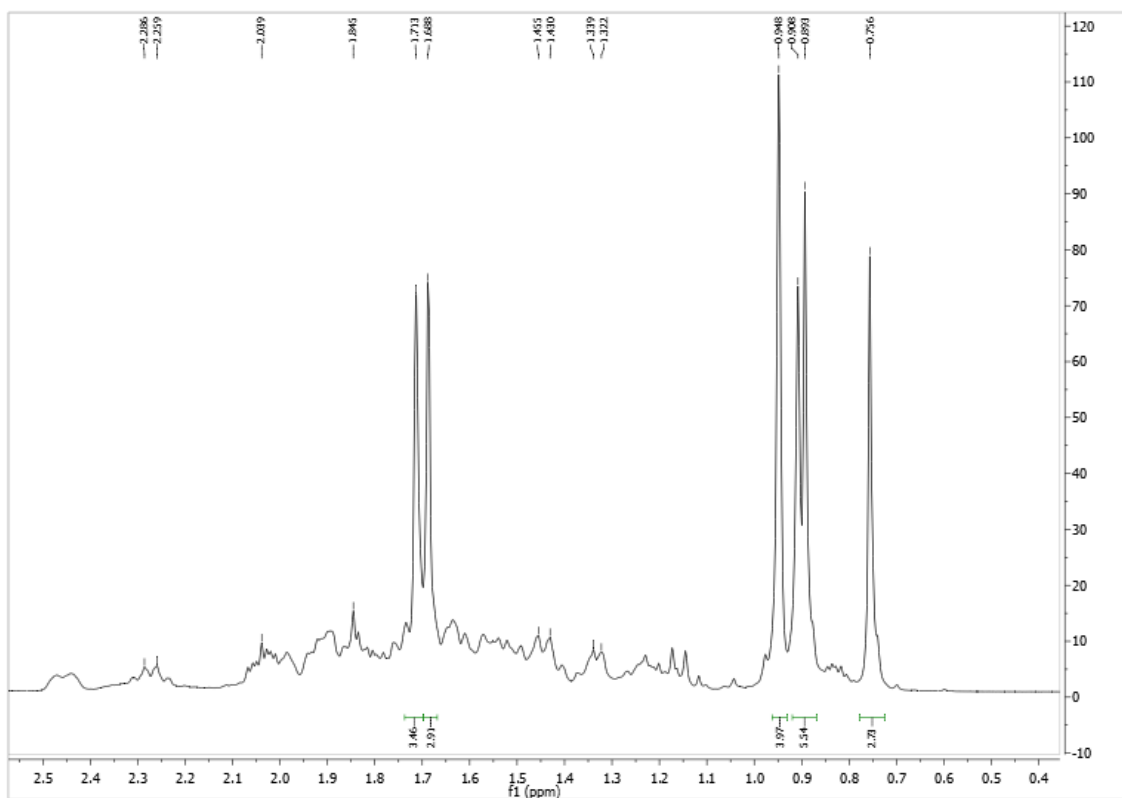


Figure S5.  $^1\text{H}$  NMR spectrum ( $\text{CDCl}_3$ , 400 MHz,  $\delta_{\text{H}}$  2.5-0.4) of the compound **1**

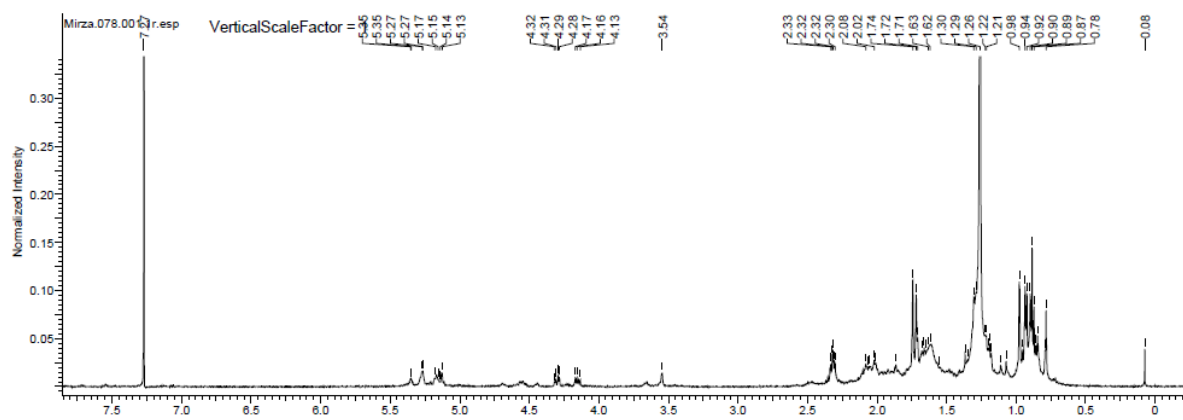


Figure S6.

$^1\text{H}$  NMR spectrum ( $\text{CDCl}_3$ , 500 MHz) of the acetylated derivative of compound **1**.

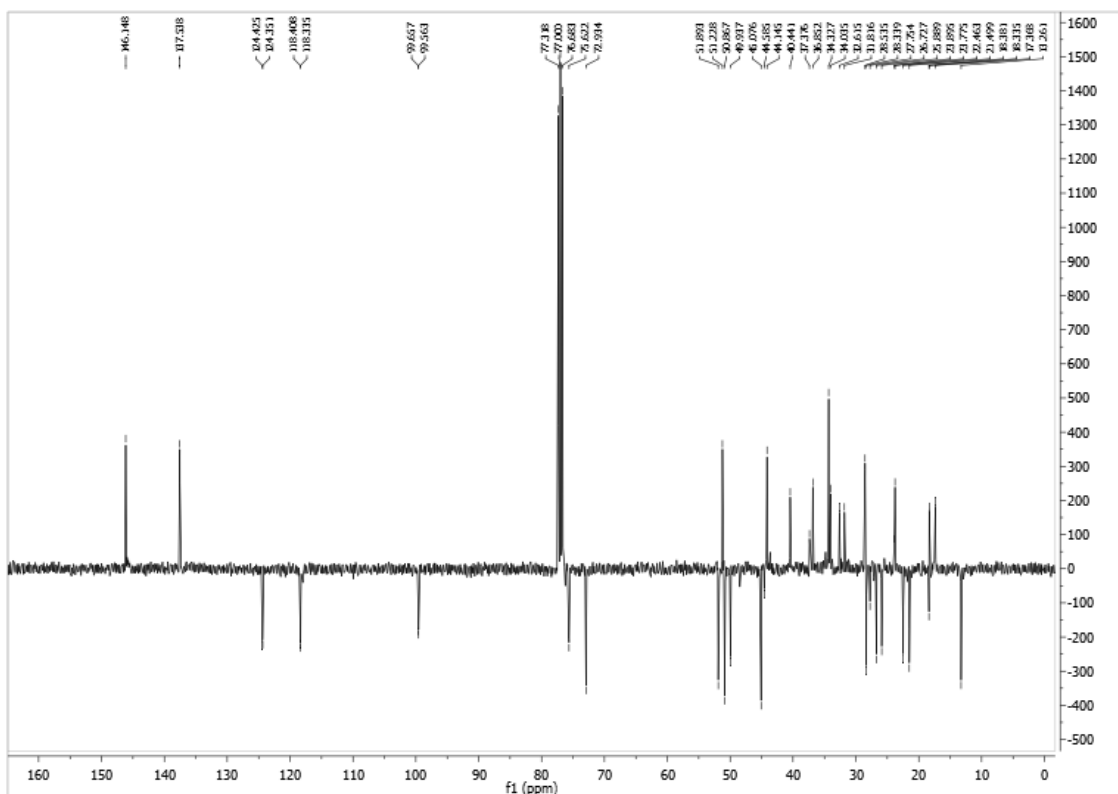


Figure S7. DEPTQ spectrum (CDCl<sub>3</sub>, 100 MHz) of the compound 1.

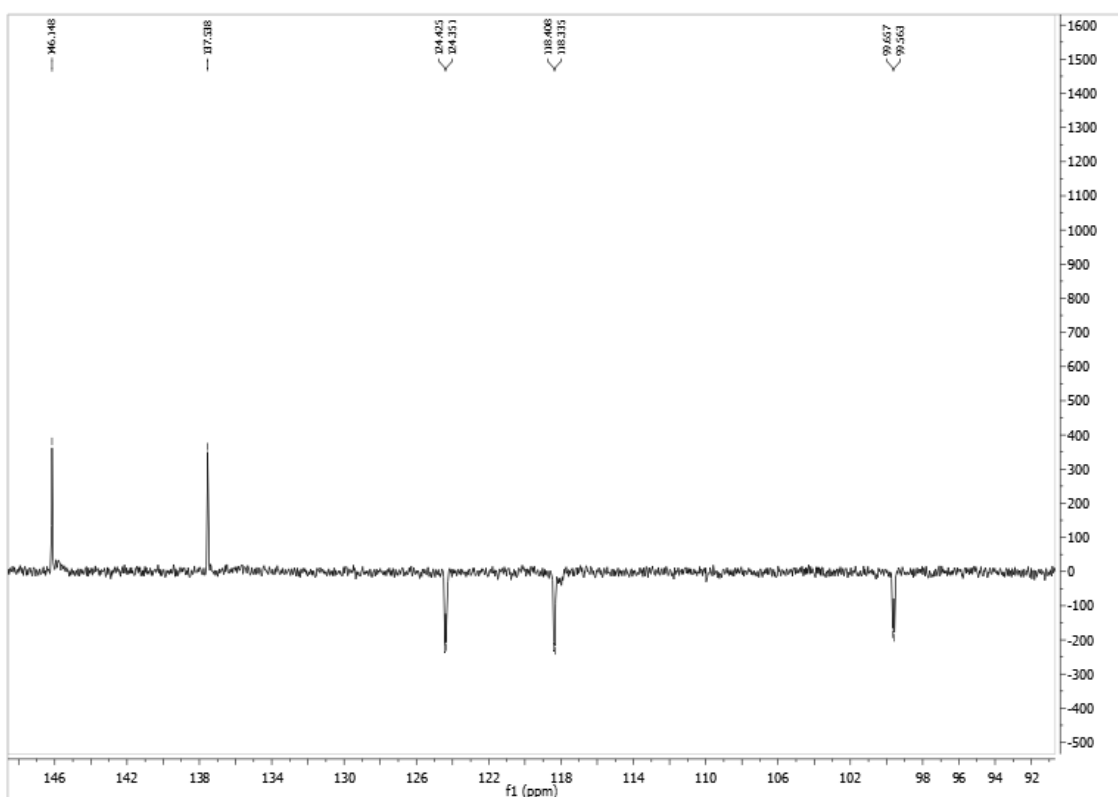


Figure S8. DEPTQ spectrum (CDCl<sub>3</sub>, 100 MHz,  $\delta_c$  148-92) of the compound 1

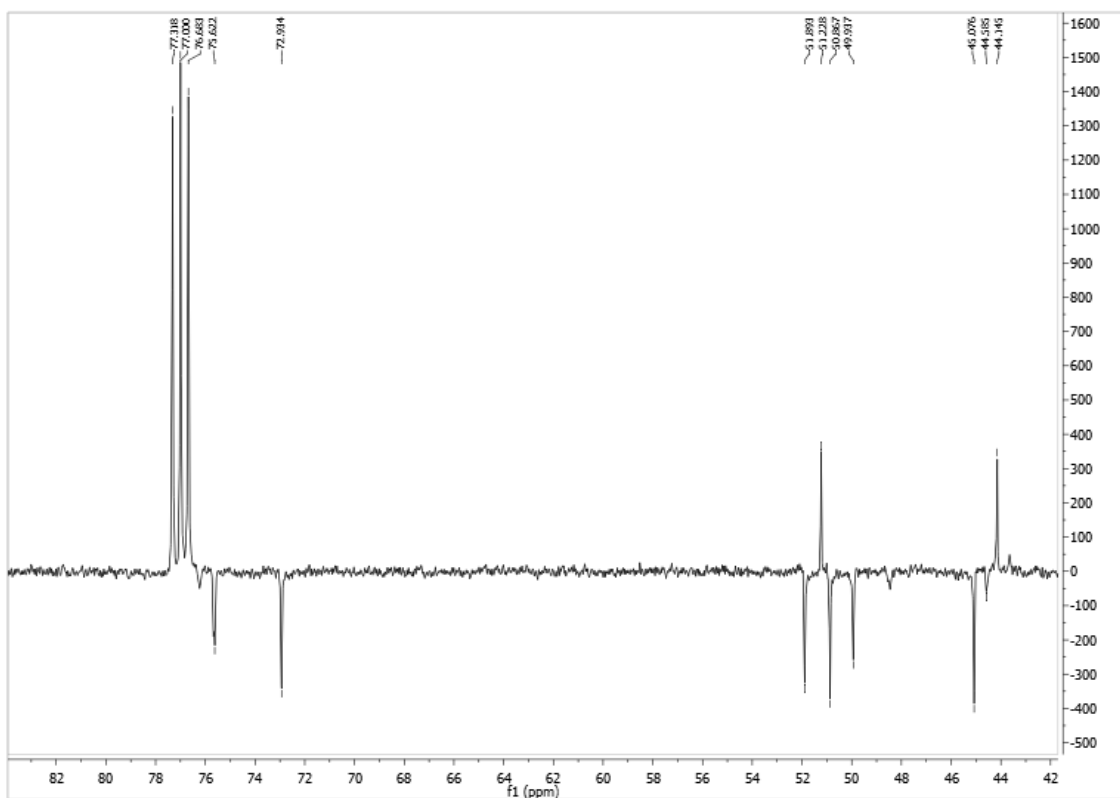


Figure S9. DEPTQ spectrum ( $\text{CDCl}_3$ , 100 MHz,  $\delta_c$  83-42) of the compound **1**

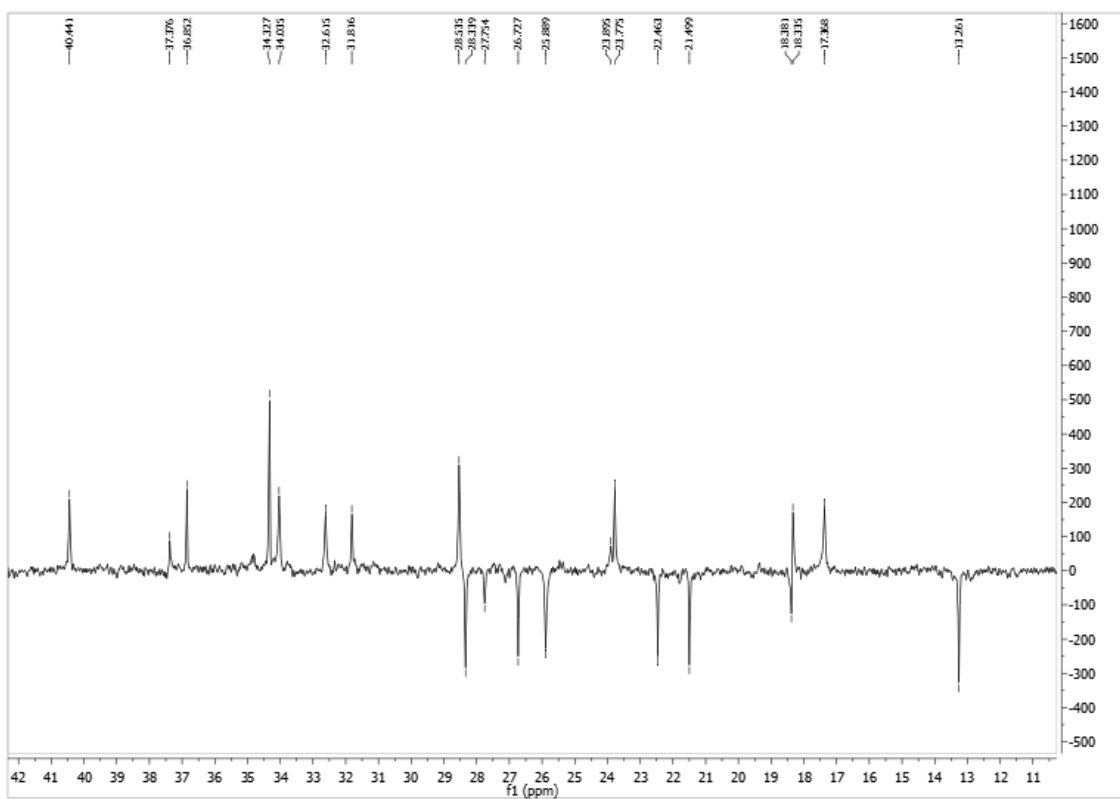
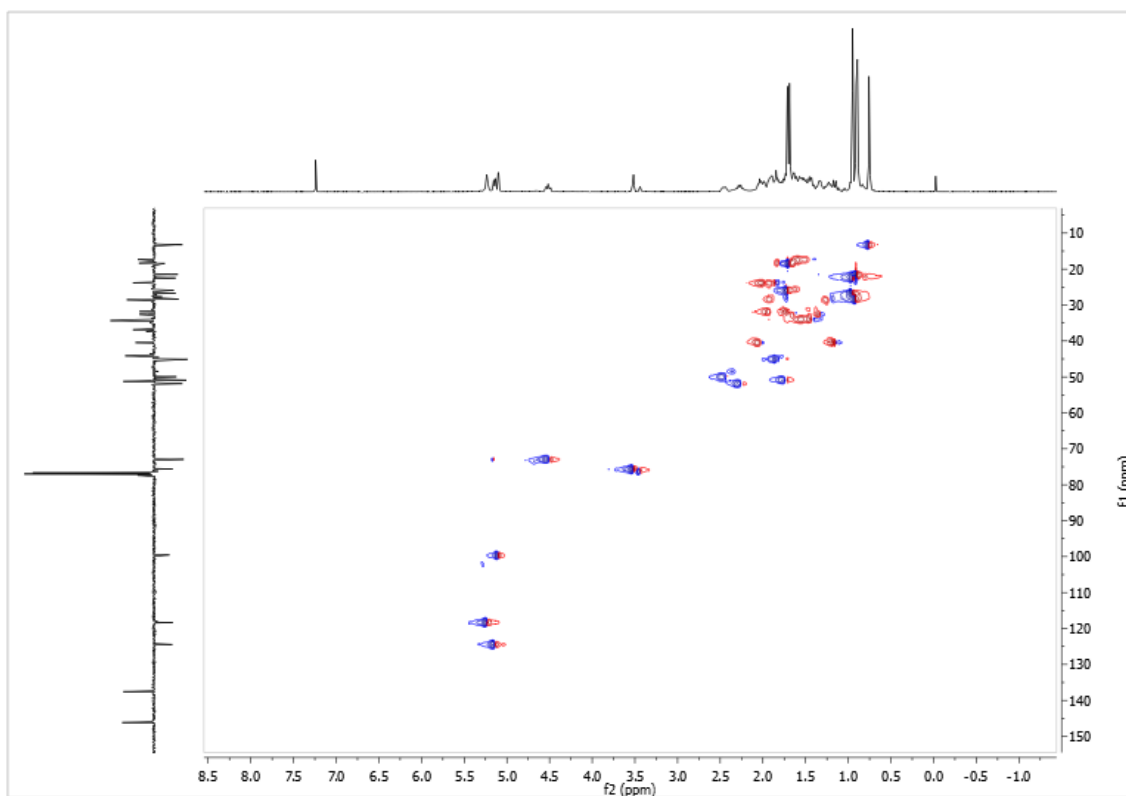
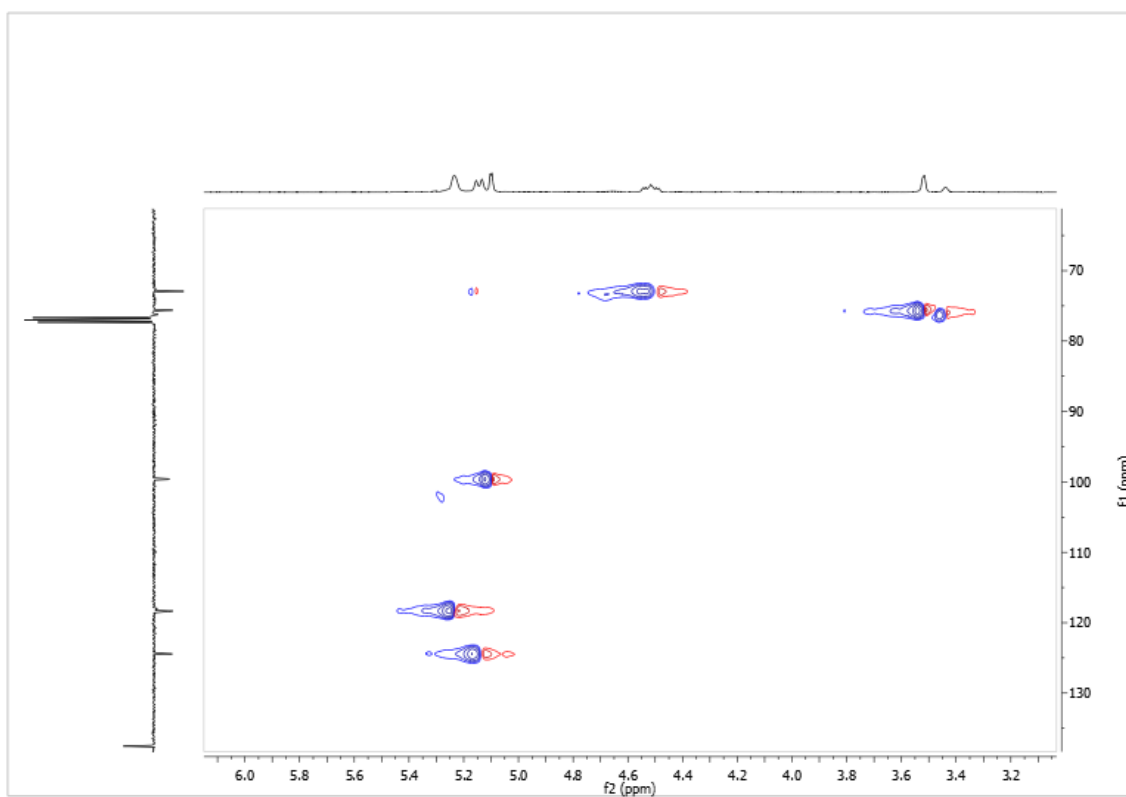


Figure S10. DEPTQ spectrum ( $\text{CDCl}_3$ , 100 MHz,  $\delta_c$  42-10) of the compound **1**



**Figure S11.** HSQC spectrum ( $\text{CDCl}_3$ ,  $400 \times 100$  MHz) of the compound **1**



**Figure S12.** HSQC spectrum ( $\text{CDCl}_3$ ,  $400 \times 100$  MHz,  $\delta_{\text{H}}$  6.1-3.1) of the compound **1**

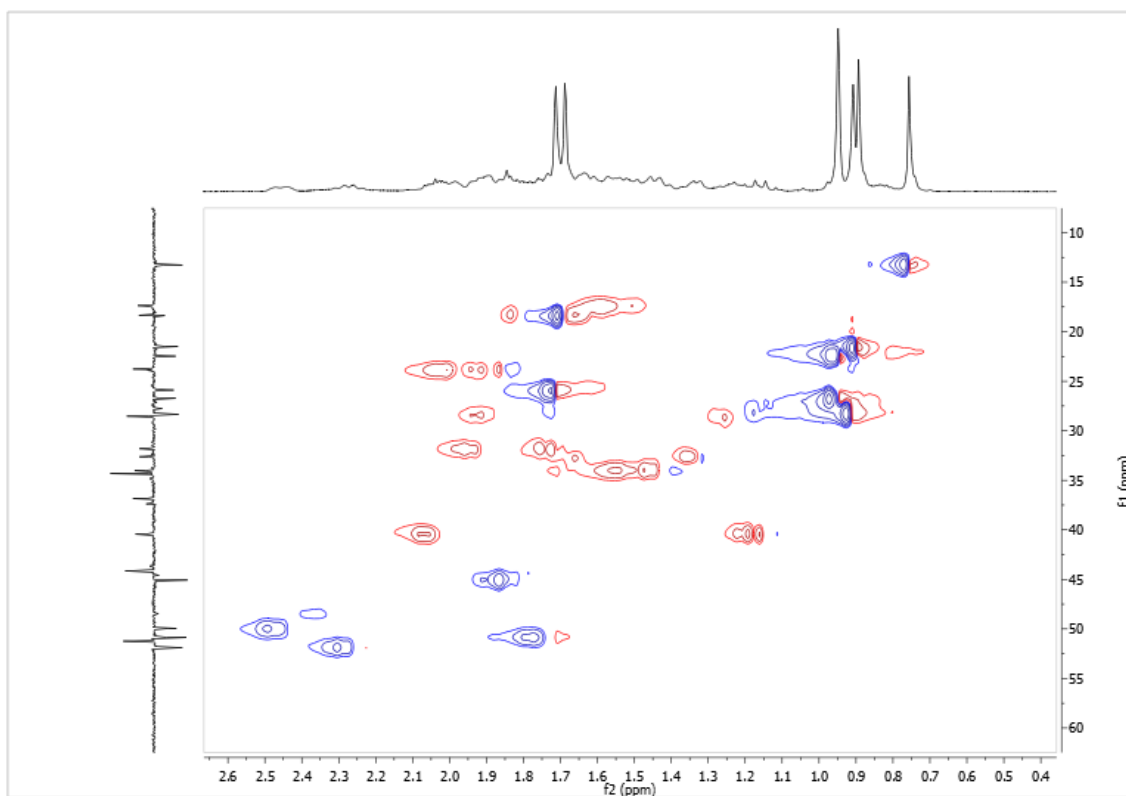


Figure S13. HSQC spectrum (CDCl<sub>3</sub>, 400 × 100 MHz, δ<sub>H</sub> 2.6-0.4) of the compound 1

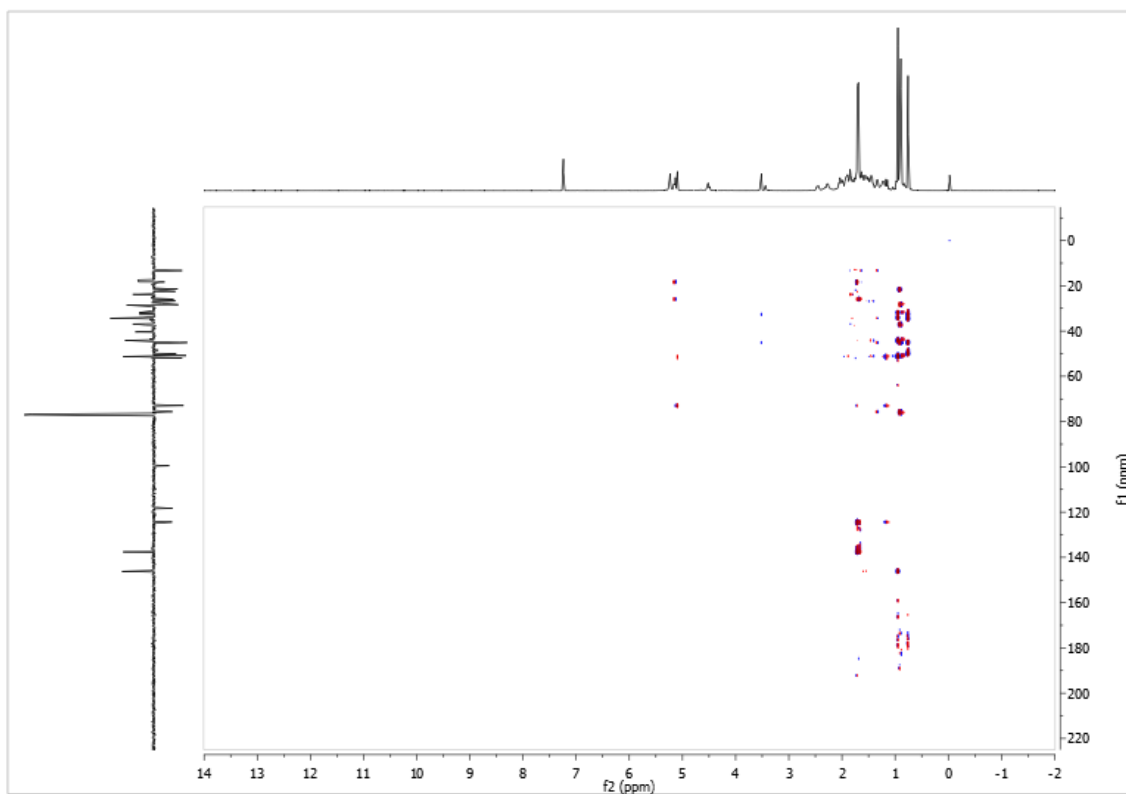


Figure S14. HMBC spectrum (CDCl<sub>3</sub>, 400 × 100 MHz) of the compound 1

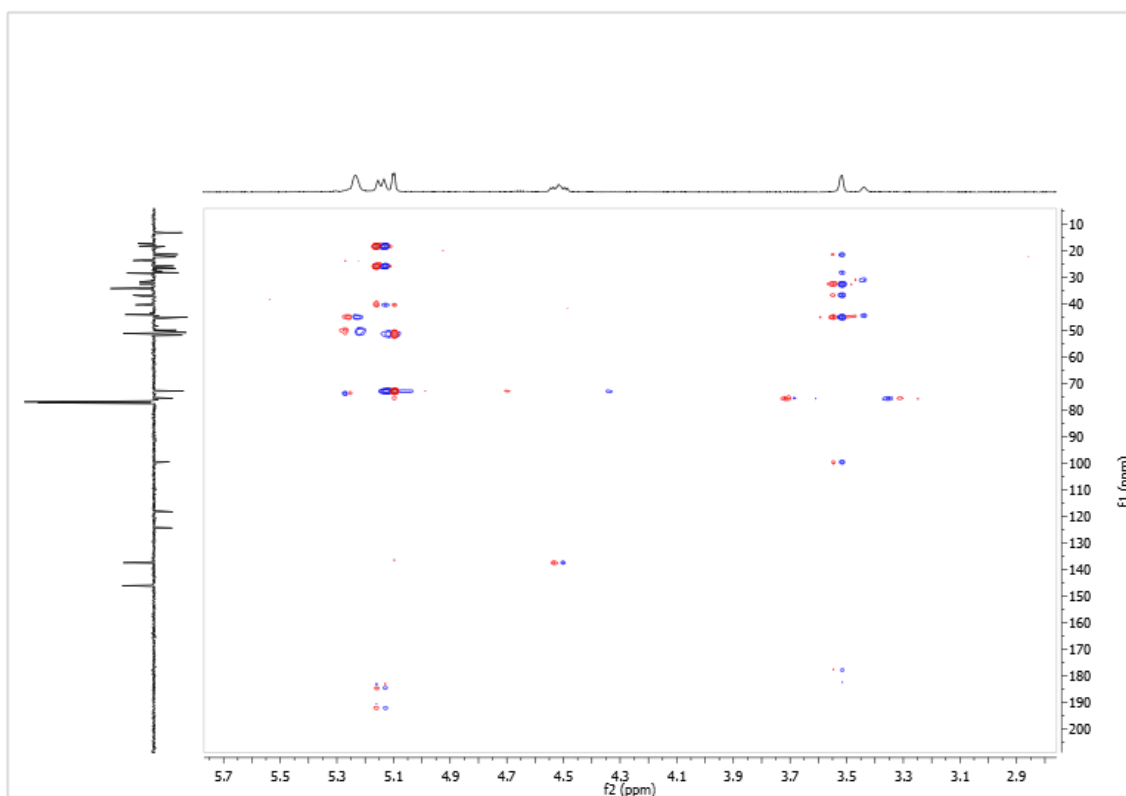


Figure S15. HMBC spectrum (CDCl<sub>3</sub>, 400 × 100 MHz, δ<sub>H</sub> 5.7-2.8) of the compound **1**

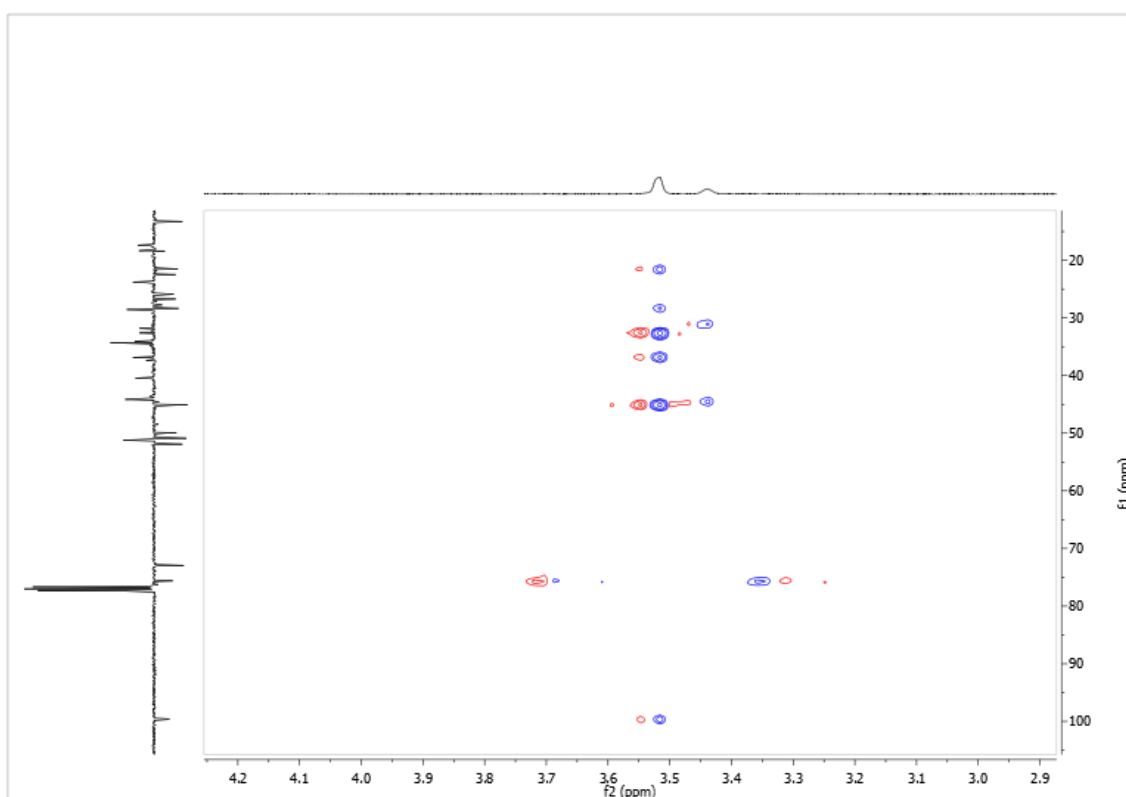


Figure S16. HMBC spectrum (CDCl<sub>3</sub>, 400 × 100 MHz, δ<sub>H</sub> 4.2-2.9) of the compound **1**



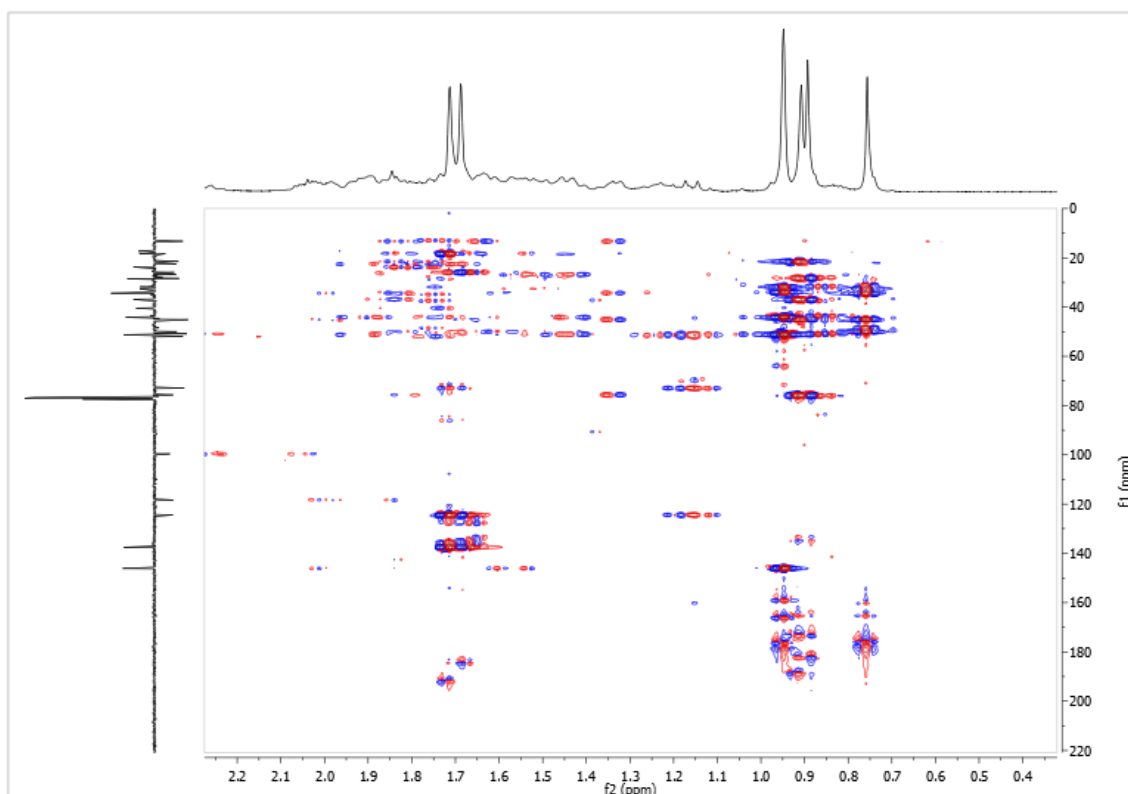


Figure S17. HMBC spectrum (CDCl<sub>3</sub>, 400 × 100 MHz, δ<sub>H</sub> 2.2-0.4) of the compound **1**

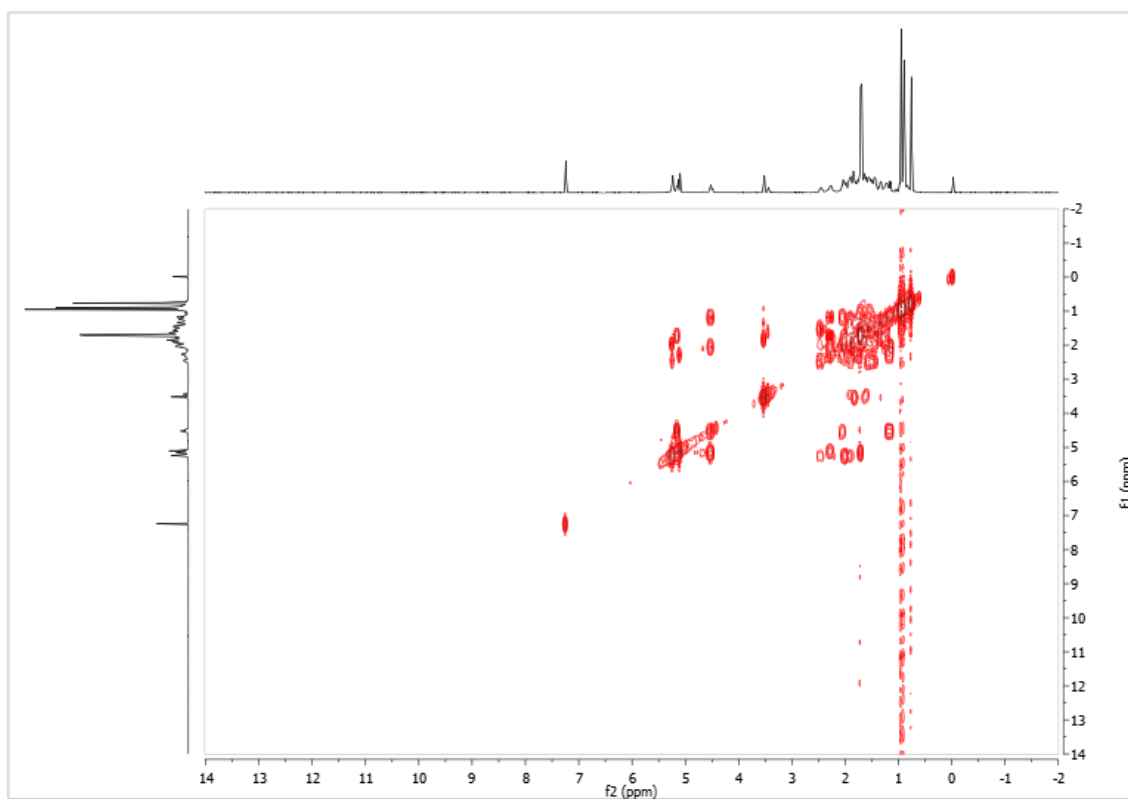
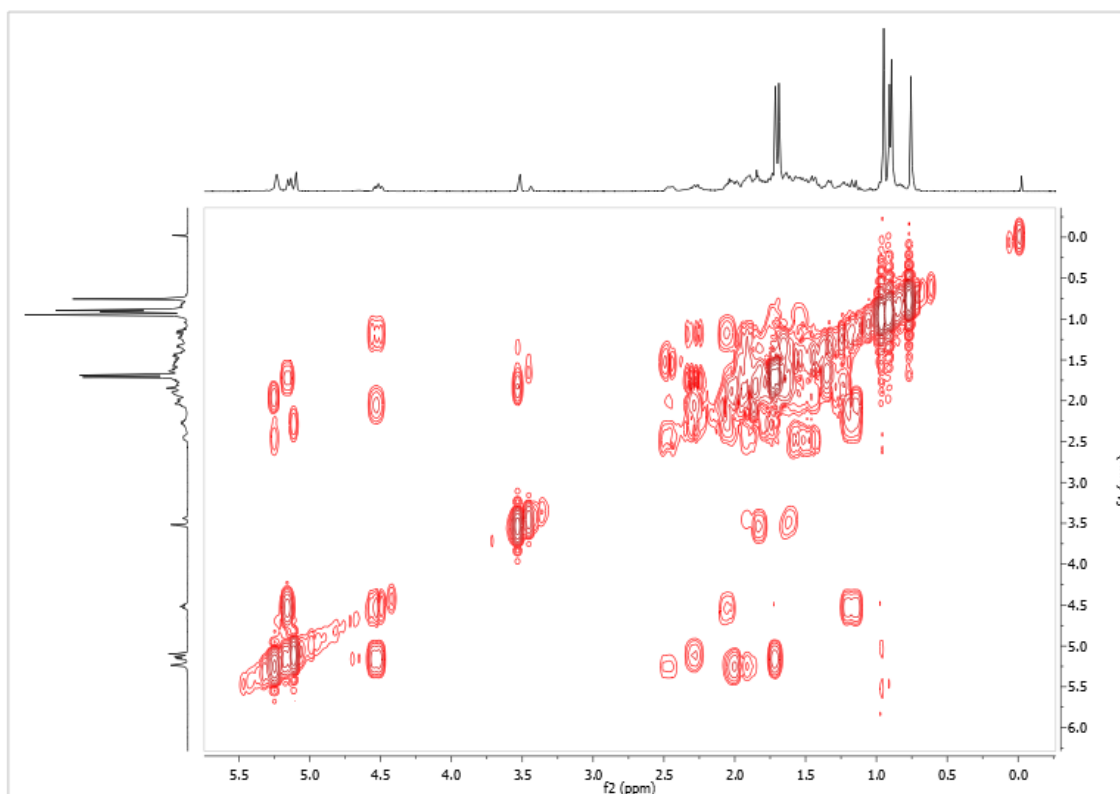
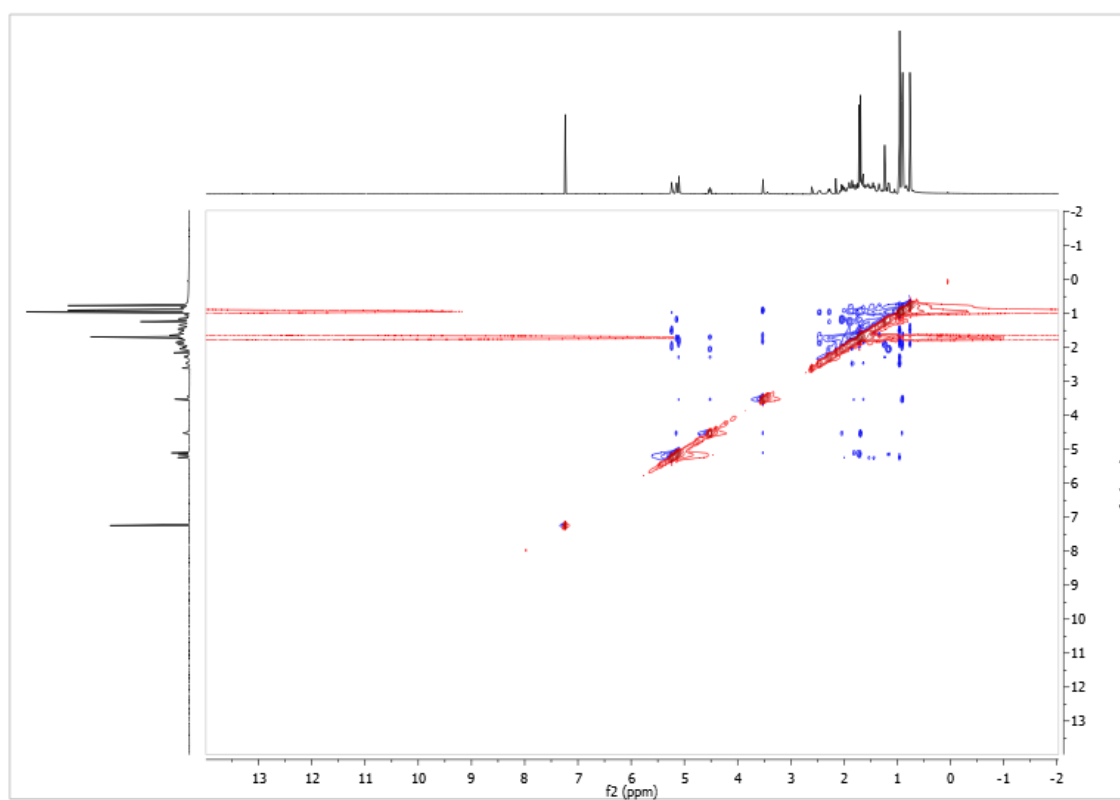


Figure S18. COSY spectrum (CDCl<sub>3</sub>, 400 MHz) of the compound **1**



**Figure S19.** COSY spectrum (CDCl<sub>3</sub>, 400 MHz,  $\delta_{\text{H}}$  5.2-0.0) of the compound **1**



**Figure S20.** NOESY spectrum (CDCl<sub>3</sub>, 400 MHz) of the compound **1**

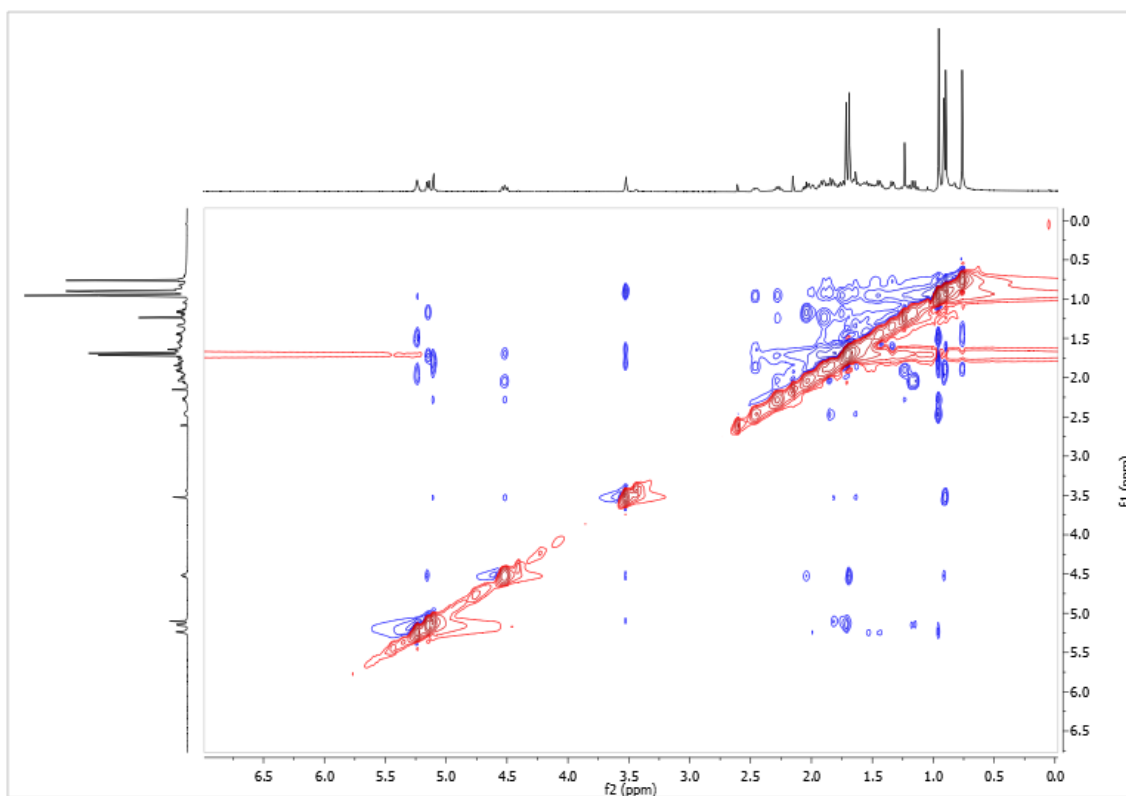


Figure S21. NOESY spectrum (CDCl<sub>3</sub>, 400 MHz,  $\delta_H$  7.0-0.0) of the compound **1**

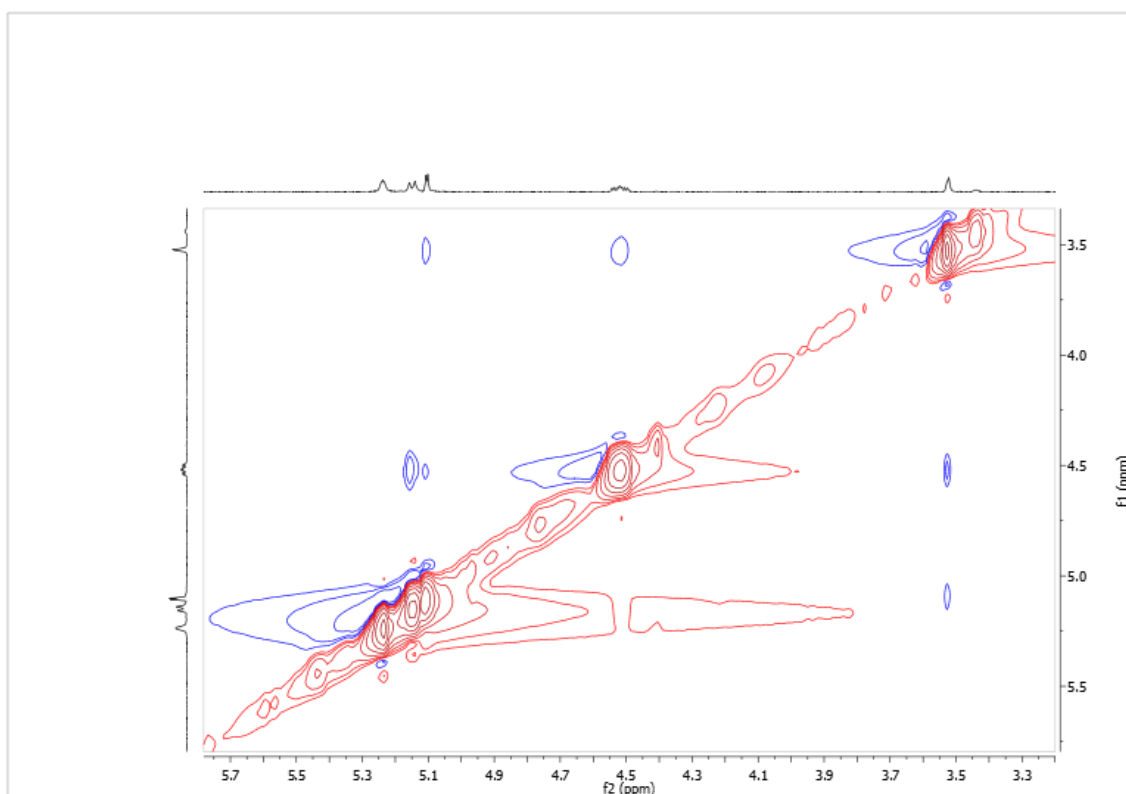


Figure S22. NOESY spectrum (CDCl<sub>3</sub>, 400 MHz,  $\delta_H$  5.7-3.2) of the compound **1**