SUPPLEMENTARY MATERIAL

Phytochemical investigation of the needles of *Abies nebrodensis* (Lojac.) Mattei

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Abies nebrodensis (Lojac.) Mattei (Pinaceae) is a species living in a very small population only in a confined area of Sicily. In this study the dichloromethane extract of the leaves was analyzed. Apart from three already known metabolites namely dehydroabietic acid; maltol; and rheosmin, previously detected in other species of *Abies*, a lanostane derivative was isolated. Its chemical structure was elucidated by means of extensive spectroscopic methods.

Keywords: *Abies nebrodensis*; Lanostane; Dehydroabietic acid; Maltol; Rheosmin

Content

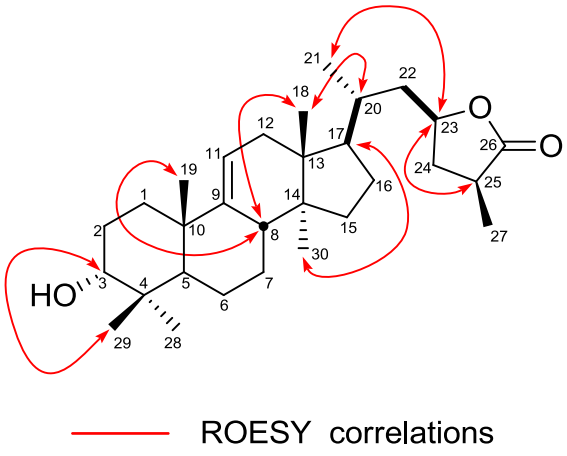

Figure S1. Structure and selected ROESY correlations for **1**

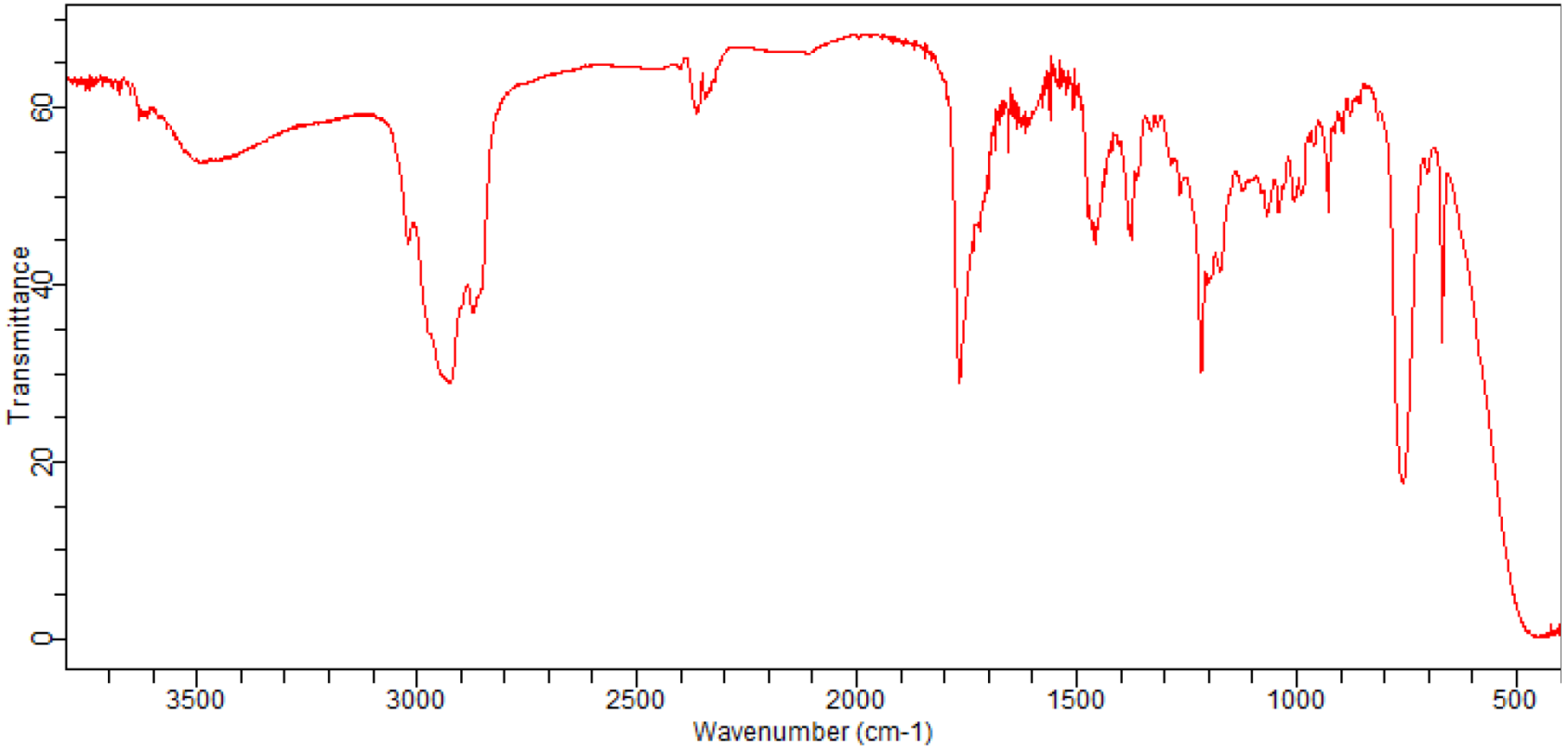

Figure S2. IR spectrum of compound **1**

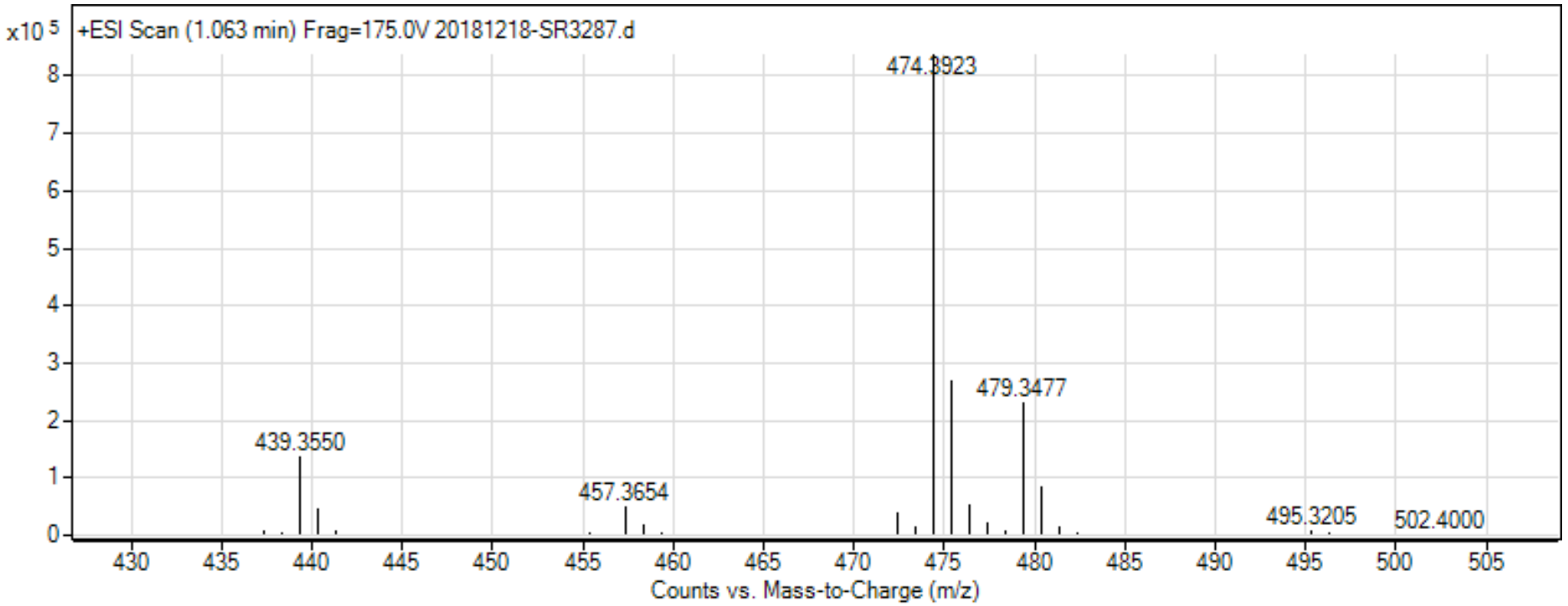

Figure S3. HR-Mass spectrum of compound **1**

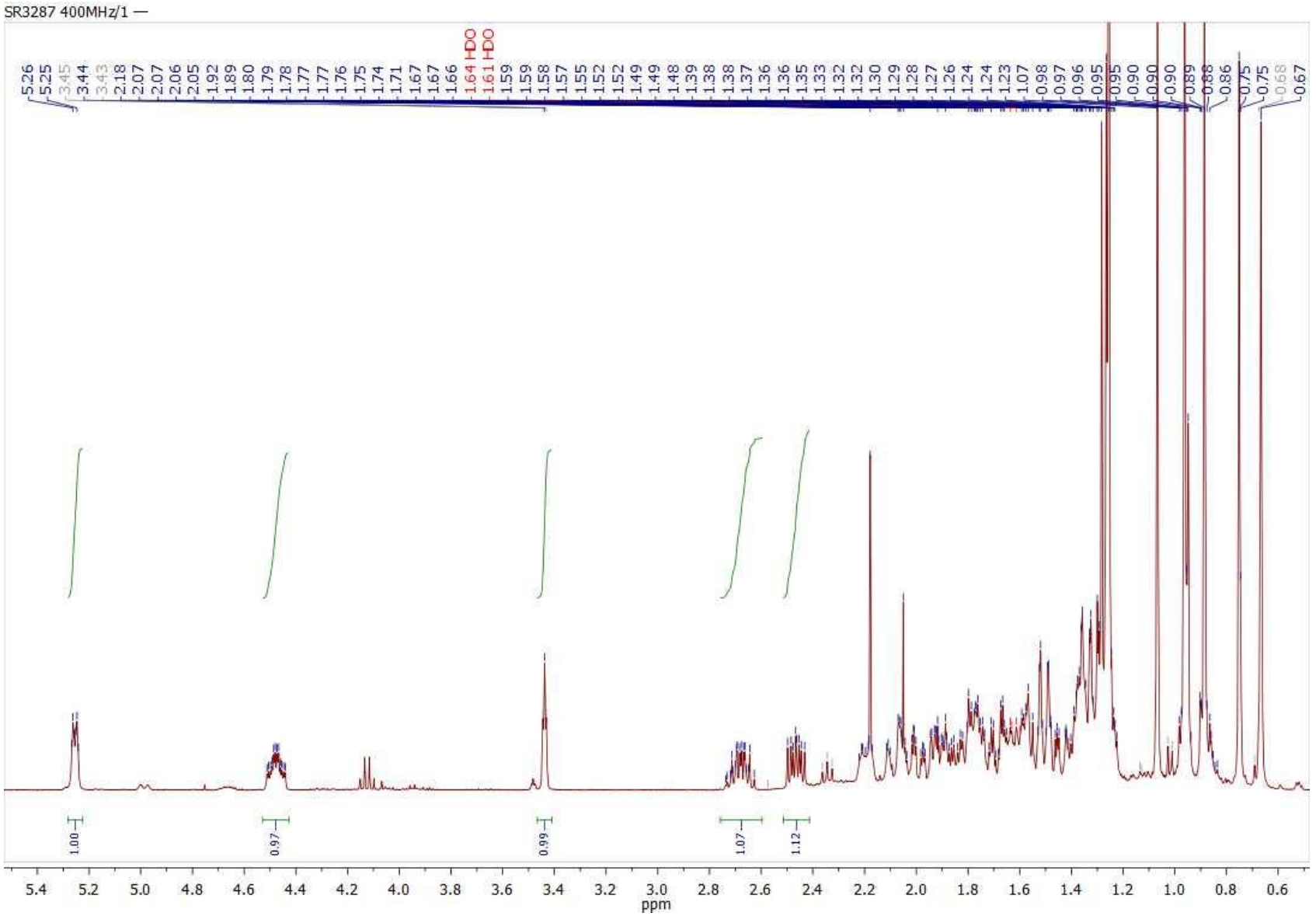

Figure S4. ^{1}H NMR spectrum of **1** recorded in $CDCl_3$ at 400 MHz

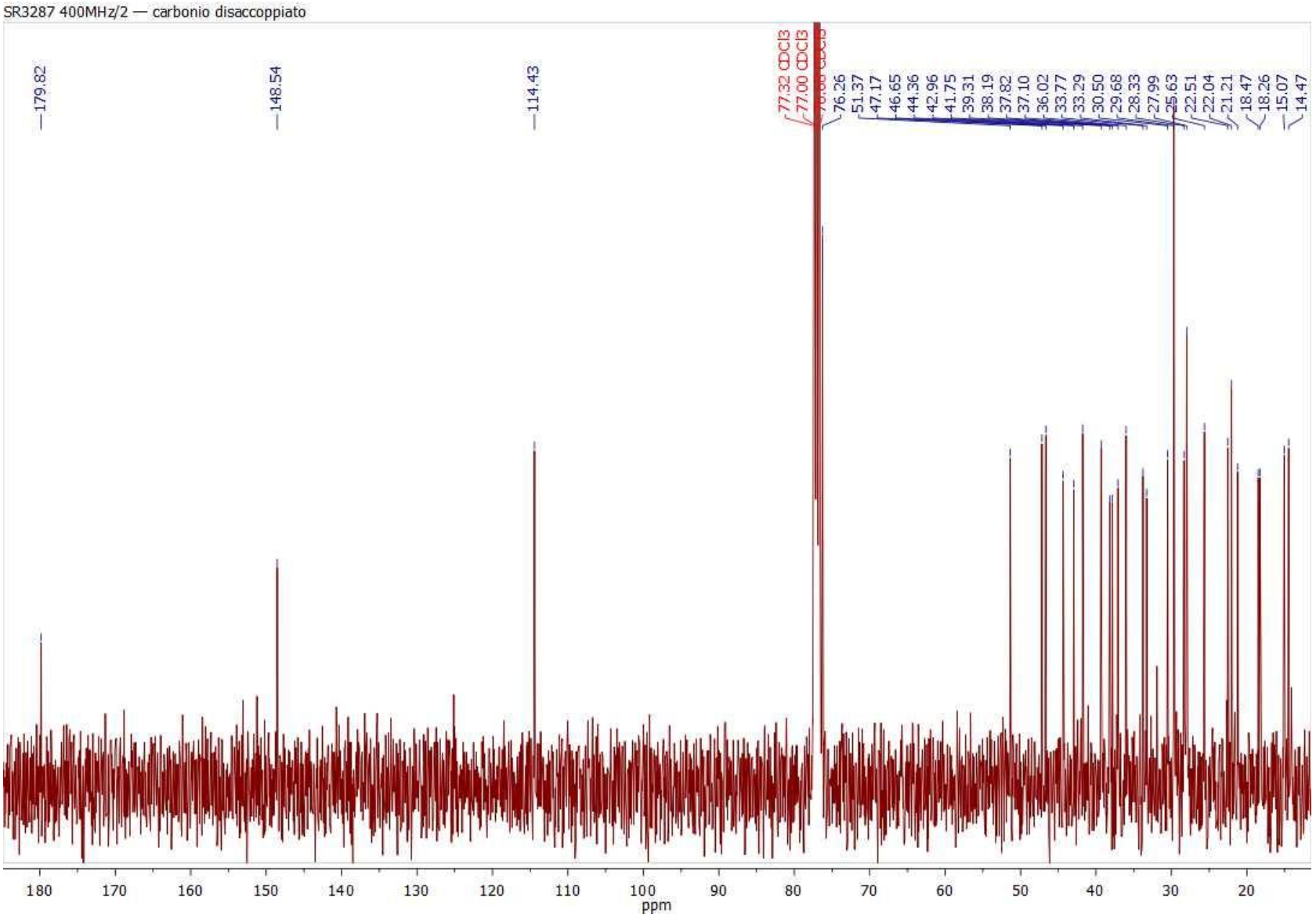

Figure S5. ^{13}C NMR spectrum of **1** recorded in $CDCl_3$ at 100 MHz

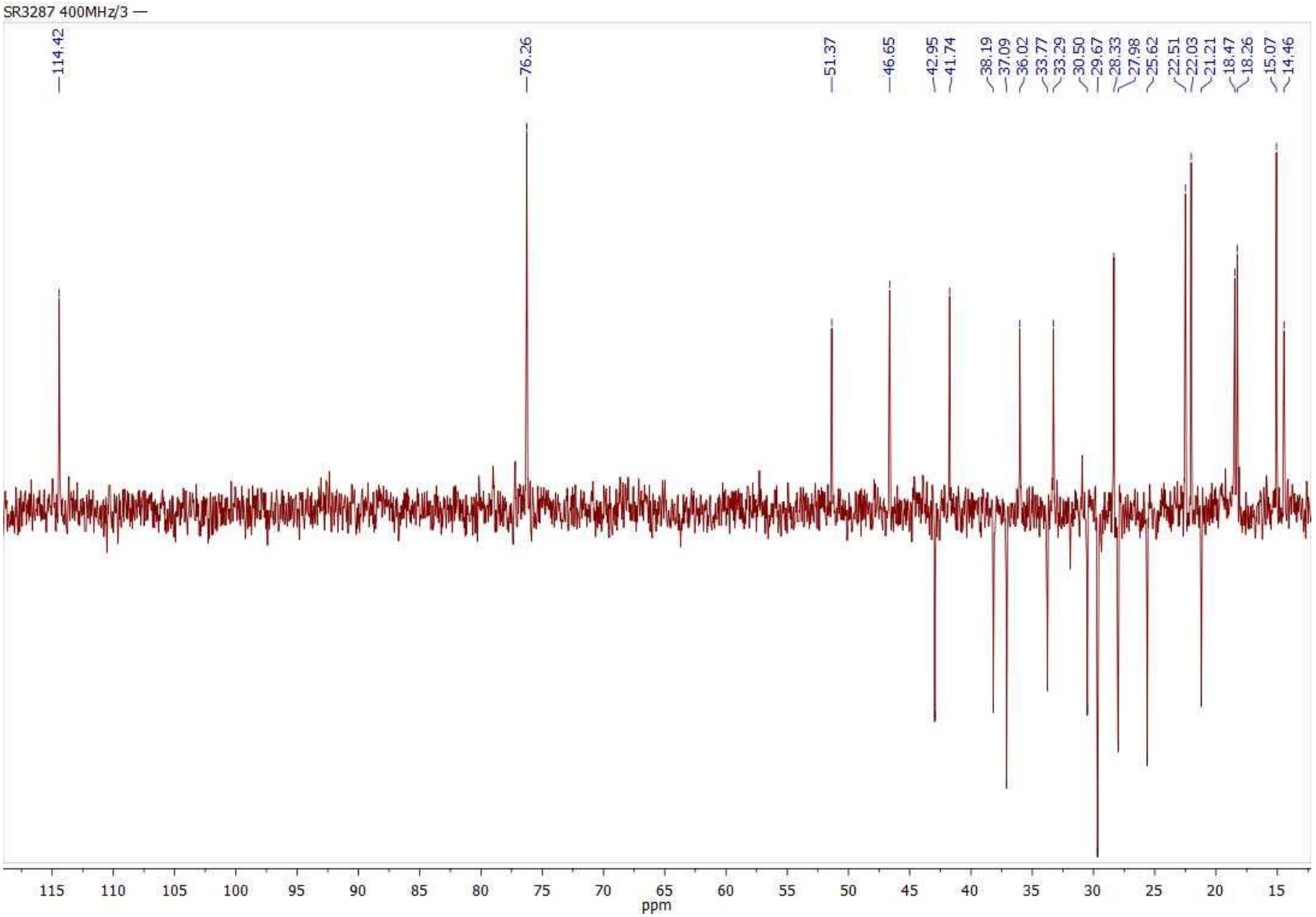

Figure S6. DEPT spectrum of **1** recorded in $CDCl_3$

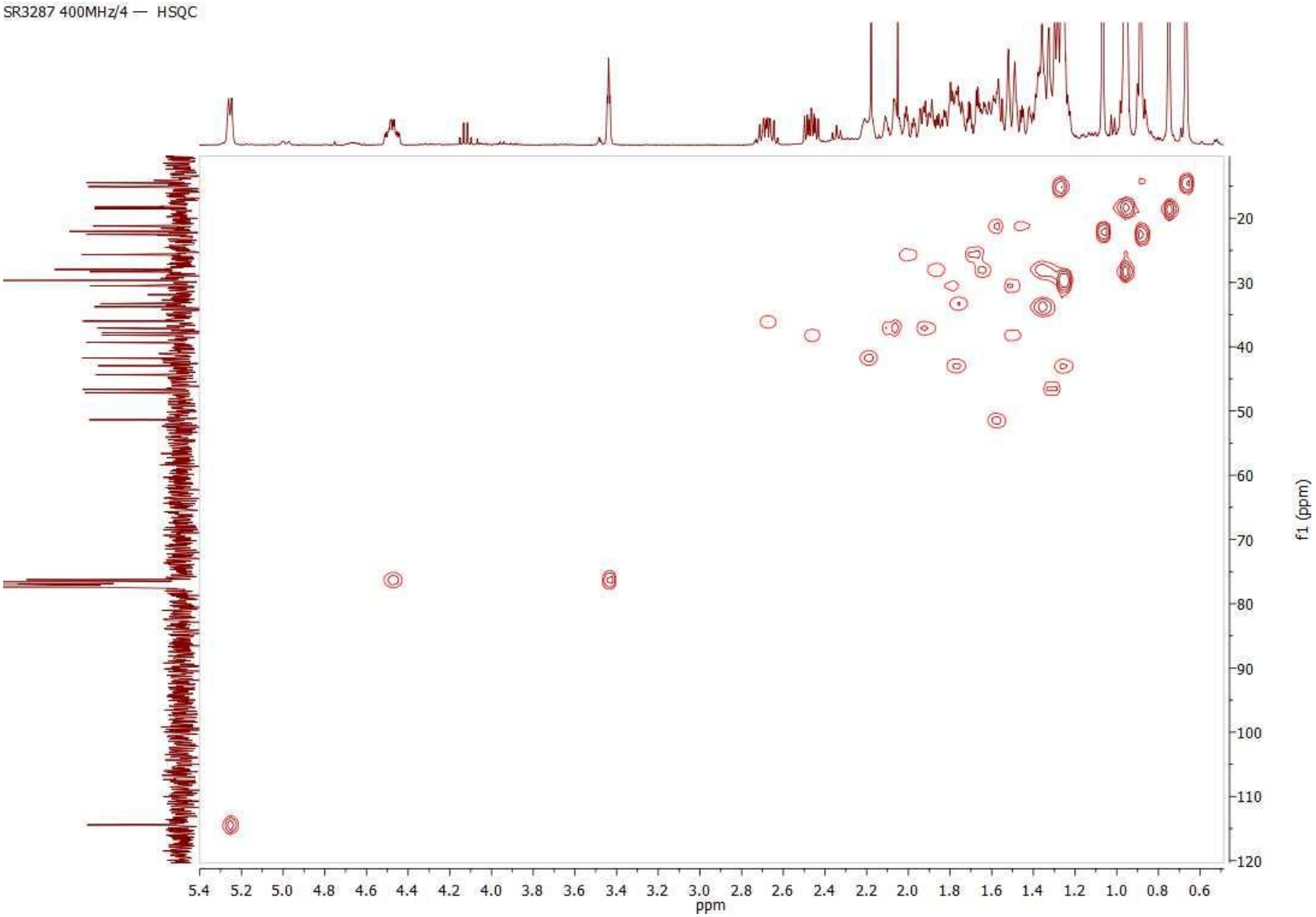

Figure S7. HSQC spectrum of **1** recorded in $CDCl_3$

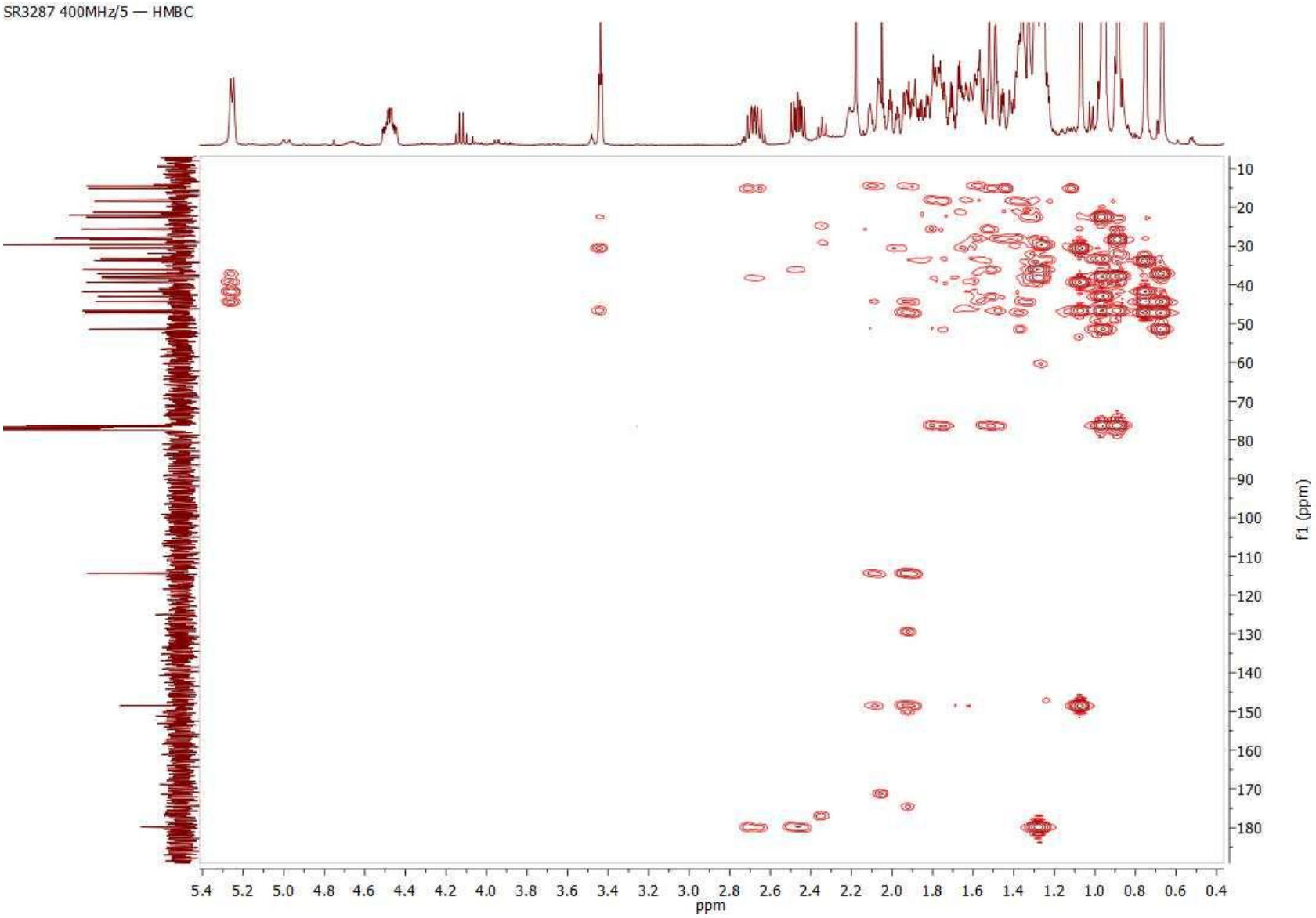

Figure S8. HMBC spectrum of **1** recorded in $CDCl_3$

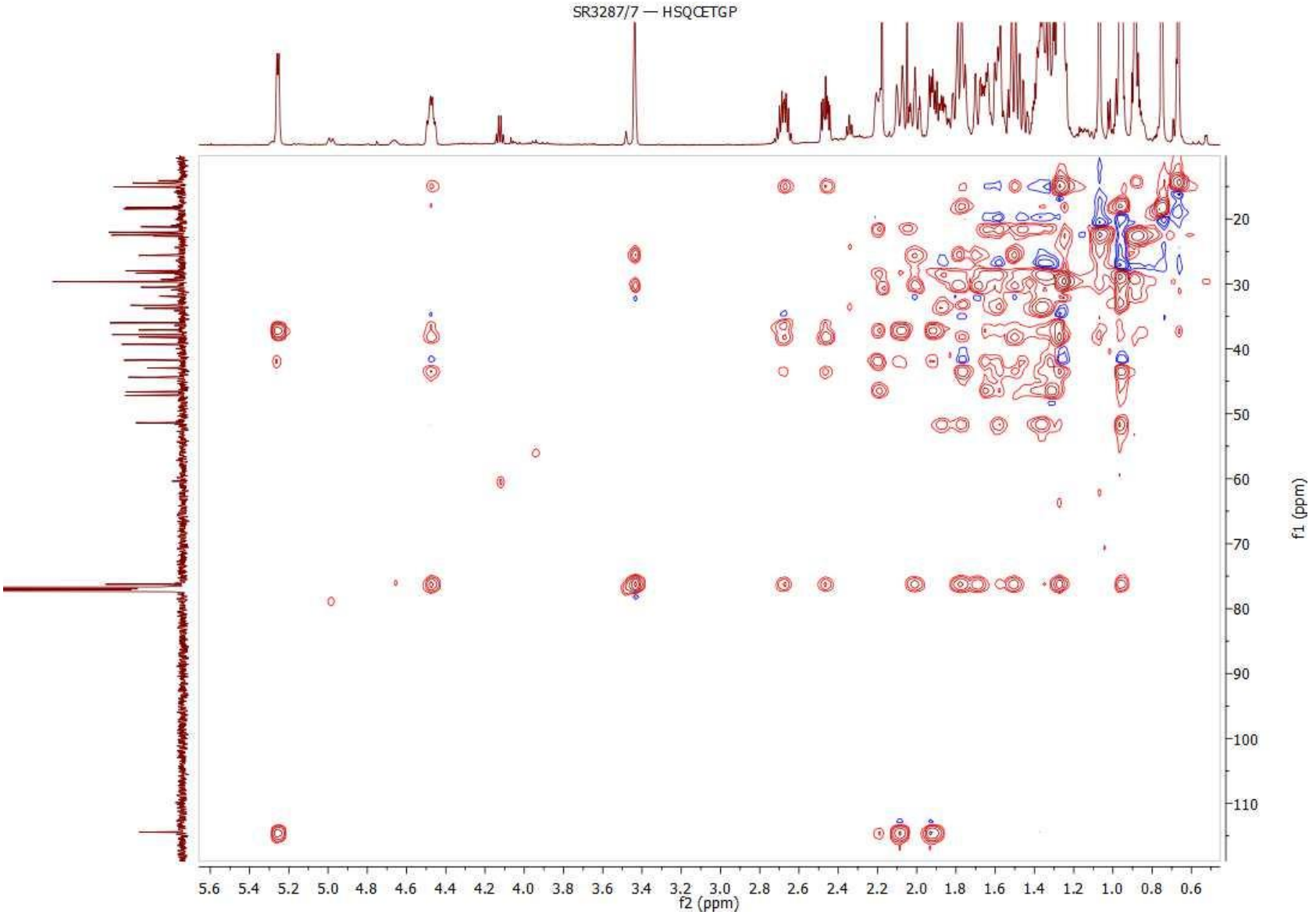

Figure S9. HSQC-TOCSY spectrum of **1** recorded in $CDCl_3$

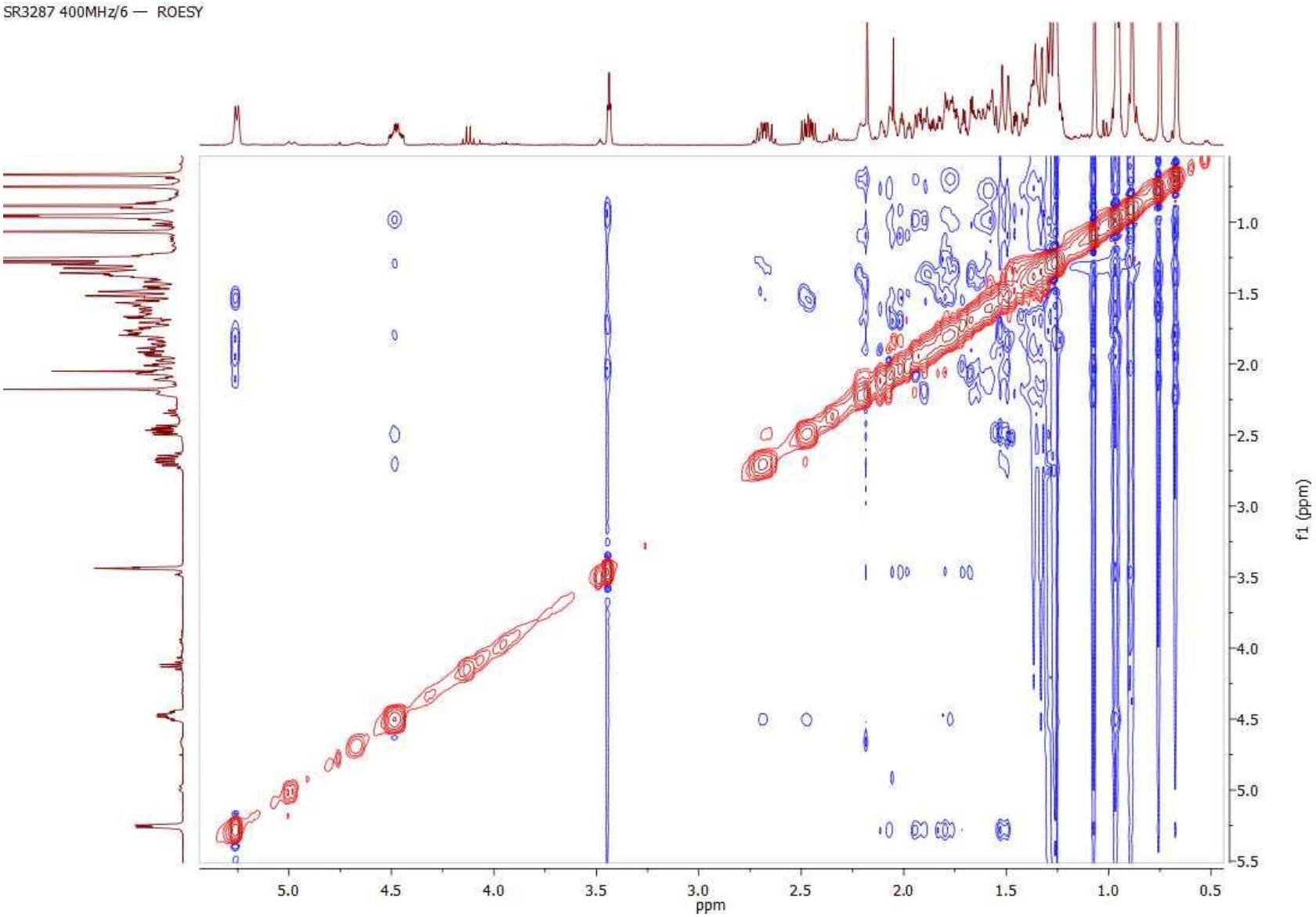

Figure S10. ROESY spectrum of **1** recorded in $CDCl_3$