Supplementary Material

Anti-Inflammatory Sesquiterpenes from the Medicinal Herb *Tanacetum sinaicum*

Mohamed-Elamir F. Hegazy,[a] Ahmed R. Hamed,[a] Tarik A. Mohamed,[a] Abdessamad Debbab,[b] Seikou Nakamura,[c] Hisashi Matsuda[c] and Paul W. Paré*[,d]

[a]Phytochemistry Department and Center of Excellence for Advanced Sciences, National Research Centre, 33 El Bohouth st. (Former El Tahrir st.) Dokki, Giza, Egypt, P. O. 12622.

[b]Pharmaceutical Institut für Pharmazeutische Biologie und Biotechnologie, Heinrich-Heine-Universität Düsseldorf, Universitätsstrasse 1, Geb. 26.23, D-40225 Düsseldorf, Germany

[c]Kyoto Pharmaceutical University, Misasagi, Yamashina-ku, Kyoto 607-8412, Japan

[d]Department of Chemistry & Biochemistry Texas Tech University, Lubbock, TX 79409 USA

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Table S1. Cell NO inhibition by **1**–**10**

Compound	Concentration of test sample (μM)						
	0	1	3	6	10	30	IC_{50} (μM)
Inhibation (%)							
1	0.0±2.2	6.1±1.7	9.8±1.6**	20.3±1.2**	32.4±1.9**	94.3±1.3**	15.7
2	0.0± 1.4	10.5± 2.0	2.8± 1.6	8.6± 1.4	0.4± 2.8	4.3± 2.9	>30
3	0.0± 1.2	12.5± 2.3	3.8± 4.6	10.9± 1.8	0.6± 3.8	6.3± 2.9	>30
4	0.0± 1.6	49.0± 15.7**	62.7± 0.5**	88.3± 0.5	97.6± 0.3**	100.7± 0.7**	1.0
5	0.0± 5.4	19.3± 5.3	14.4± 5.0	10.2± 2.2	7.0± 1.3	19.9± 3.6	>30
6	0.0± 2.7	7.9± 2.5	29.2± 11.8	3.6± 3.3	8.8± 2.7	19.2± 8.0	>30
7	0.0± 2.5	1.9± 1.4	6.8± 1.1	4.5± 2.3	11.3± 3.4**	32.0± 0.5**	>30
8	0.0± 2.6	-2.4± 3.2	-3.4± 1.6	-3.9± 2.3	-24.8± 6.1**	-10.6± 2.2	>30
9	0.0± 3.3	28.2± 2.9**	24.4± 1.3**	22.0± 5.7**	25.9± 1.2**	26.9± 2.9**	>30
10	0.0± 3.9	41.3± 8.6	1.2± 12.8	21.1± 4.0	4.2± 3.3	12.1± 2.9	>30
CAPE	0.0±0.7	13.4±0.8**	37.8±0.7**	84.7±0.9**	95.9±0.8**	-	3.1

Values represent means±S.E.M. (n=4). Significantly different from the control (0 μM), **p<0.01

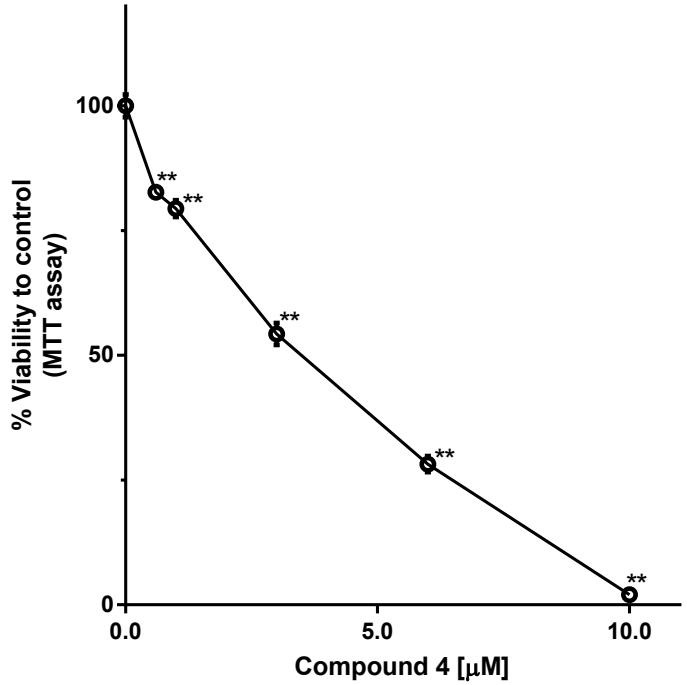
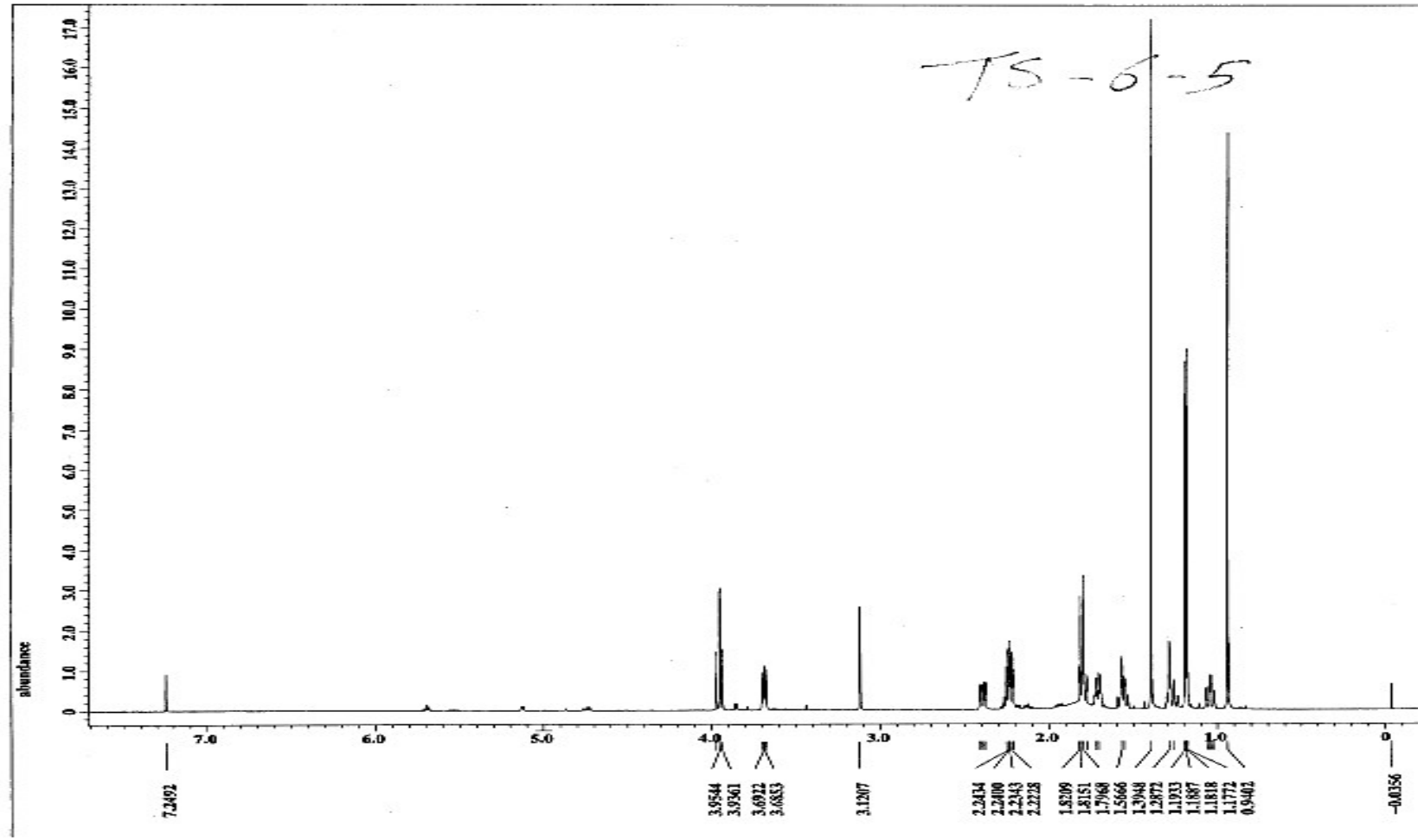
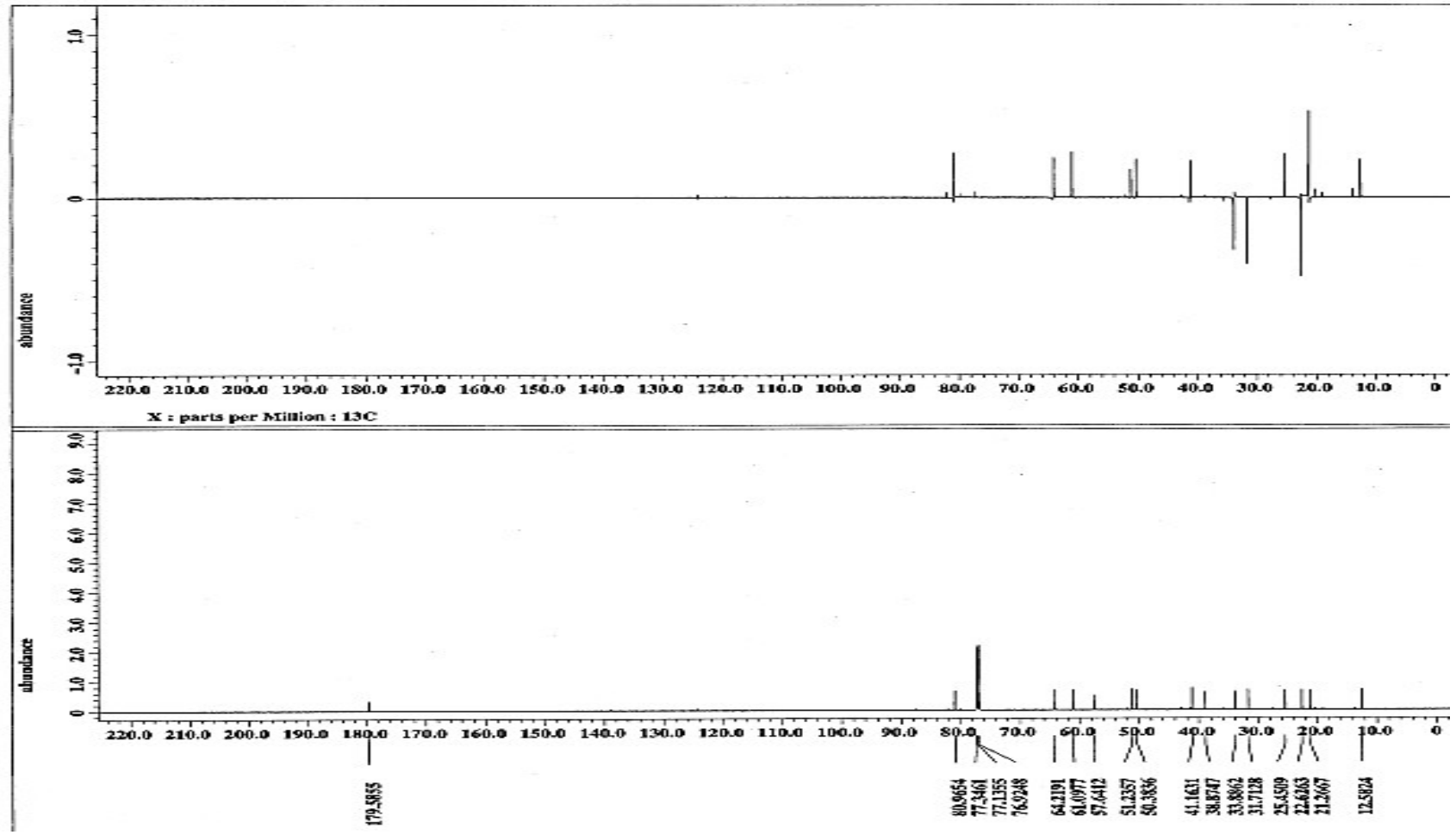


Figure S1. MTT cell toxicity for **4** with RAW264.7 cells; values represent means ± S.E.M. (n = 4), with significantly differences from solvent control ($p < 0.01$) indicated (**).

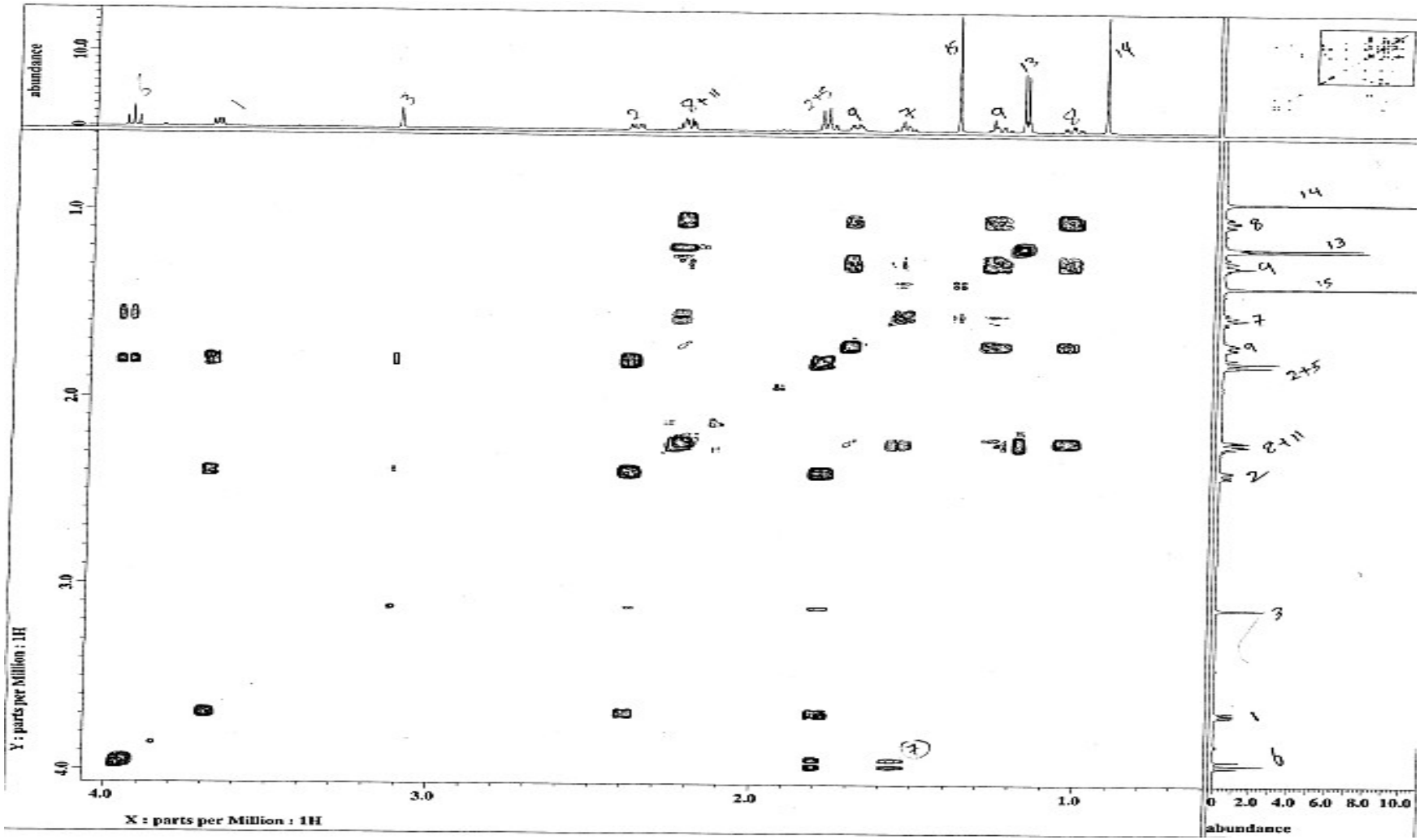
^{1}H NMR spectrum **1** in $CDCl_3$



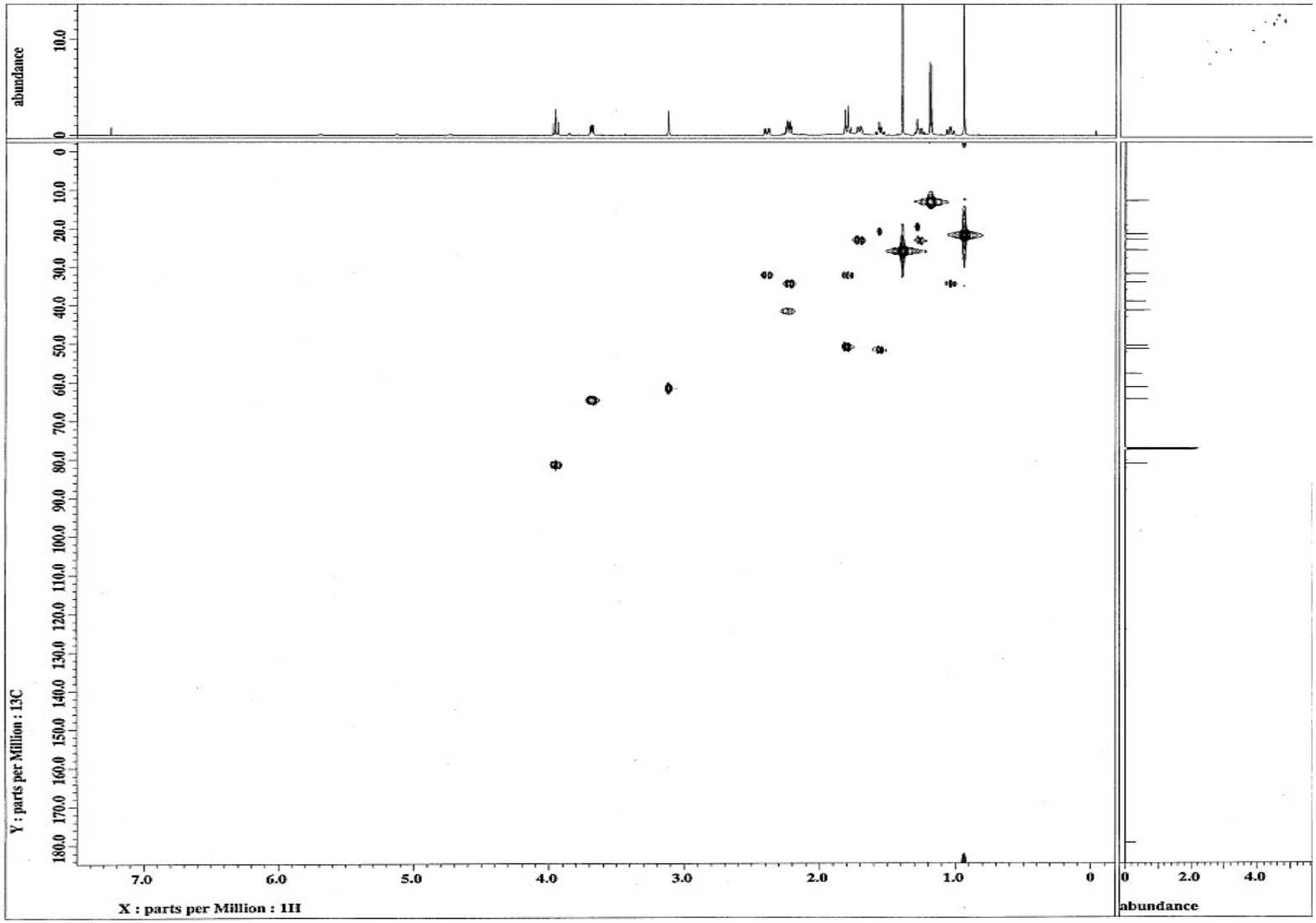
^{13}C NMR and DEPT spectrum of **1** in $CDCl_3$



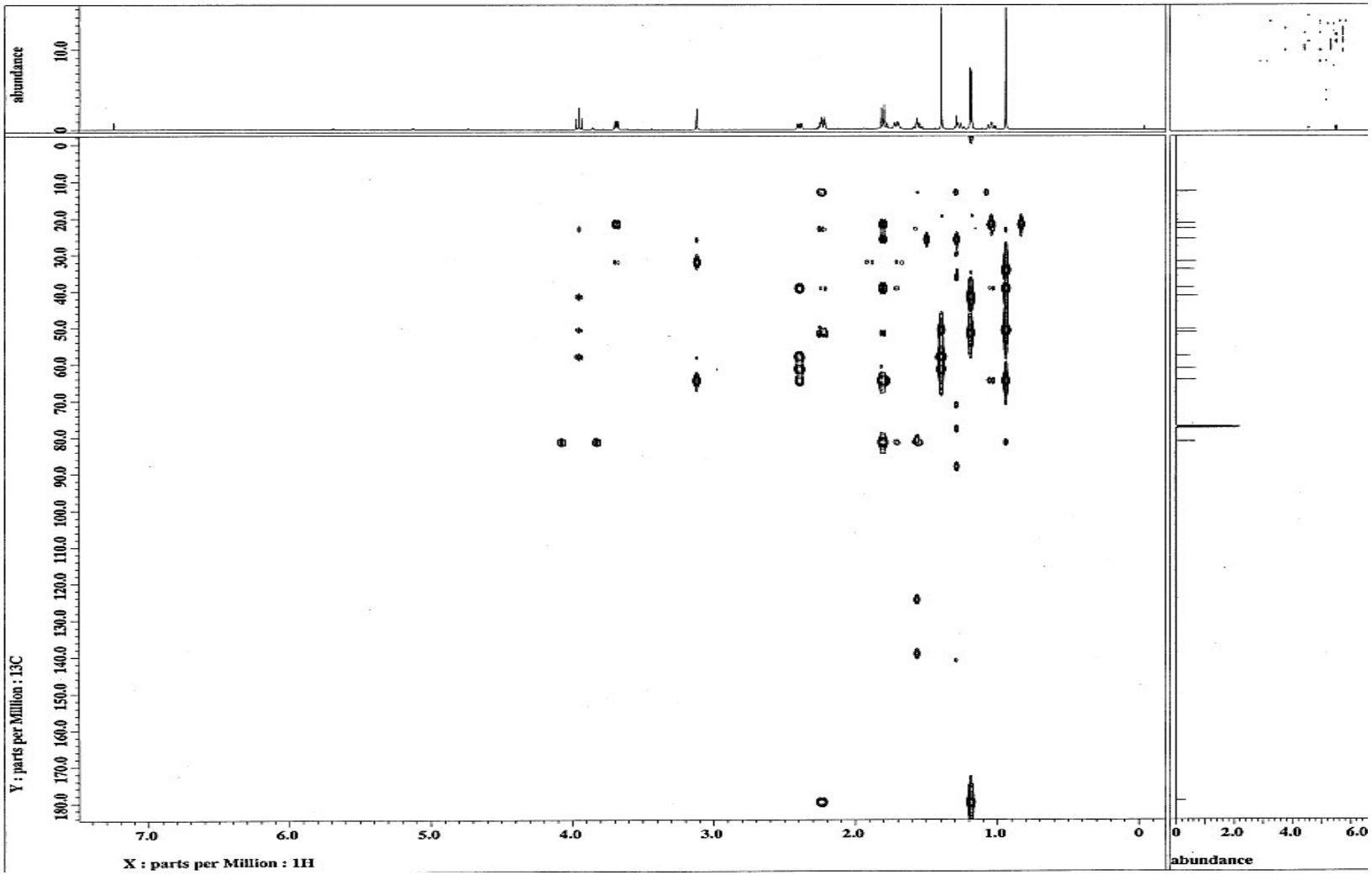
^{1}H-^{1}H COSY spectrum of **1** in $CDCl_3$



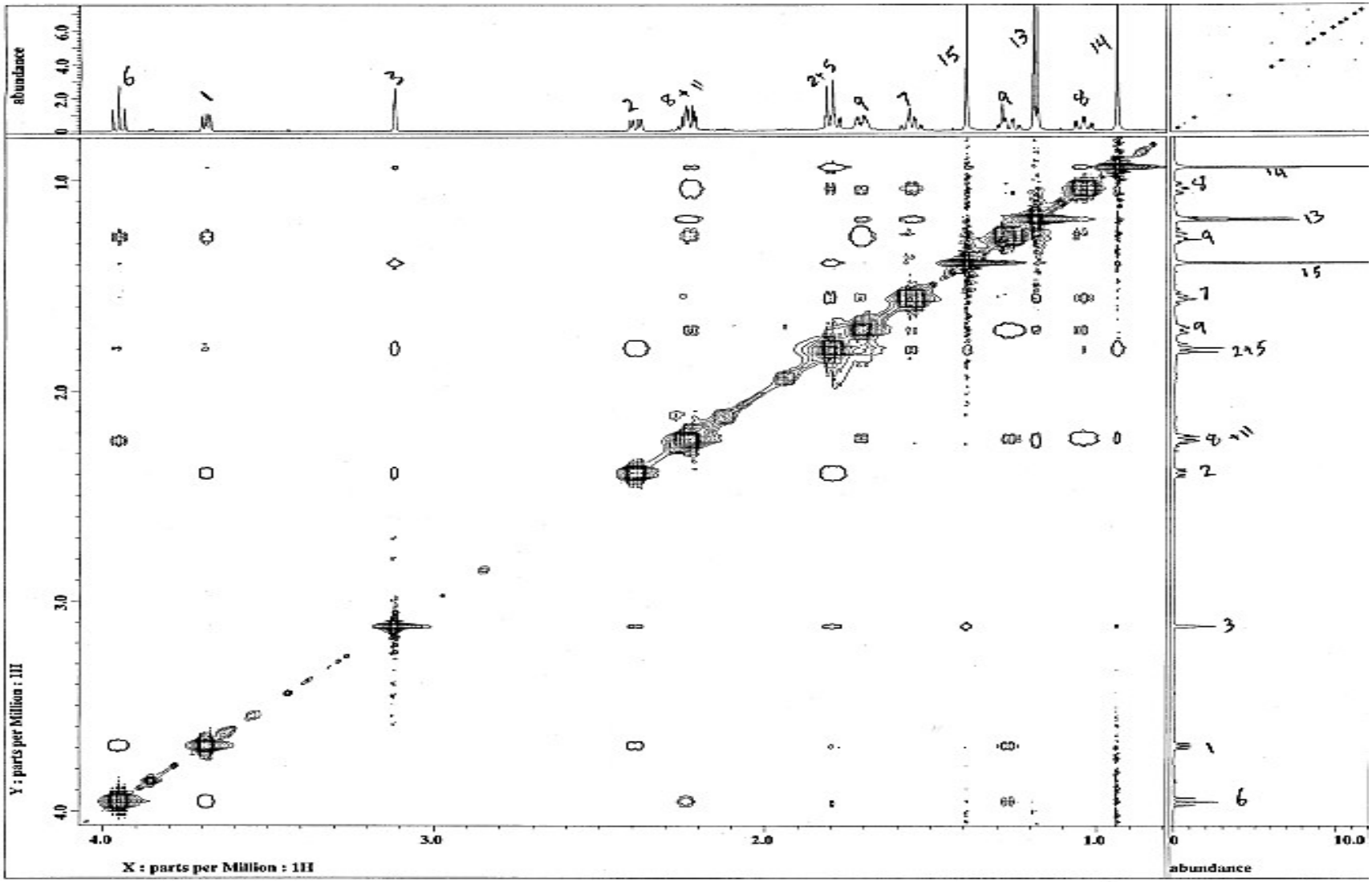
HMQC spectrum of **1** in $CDCl_3$



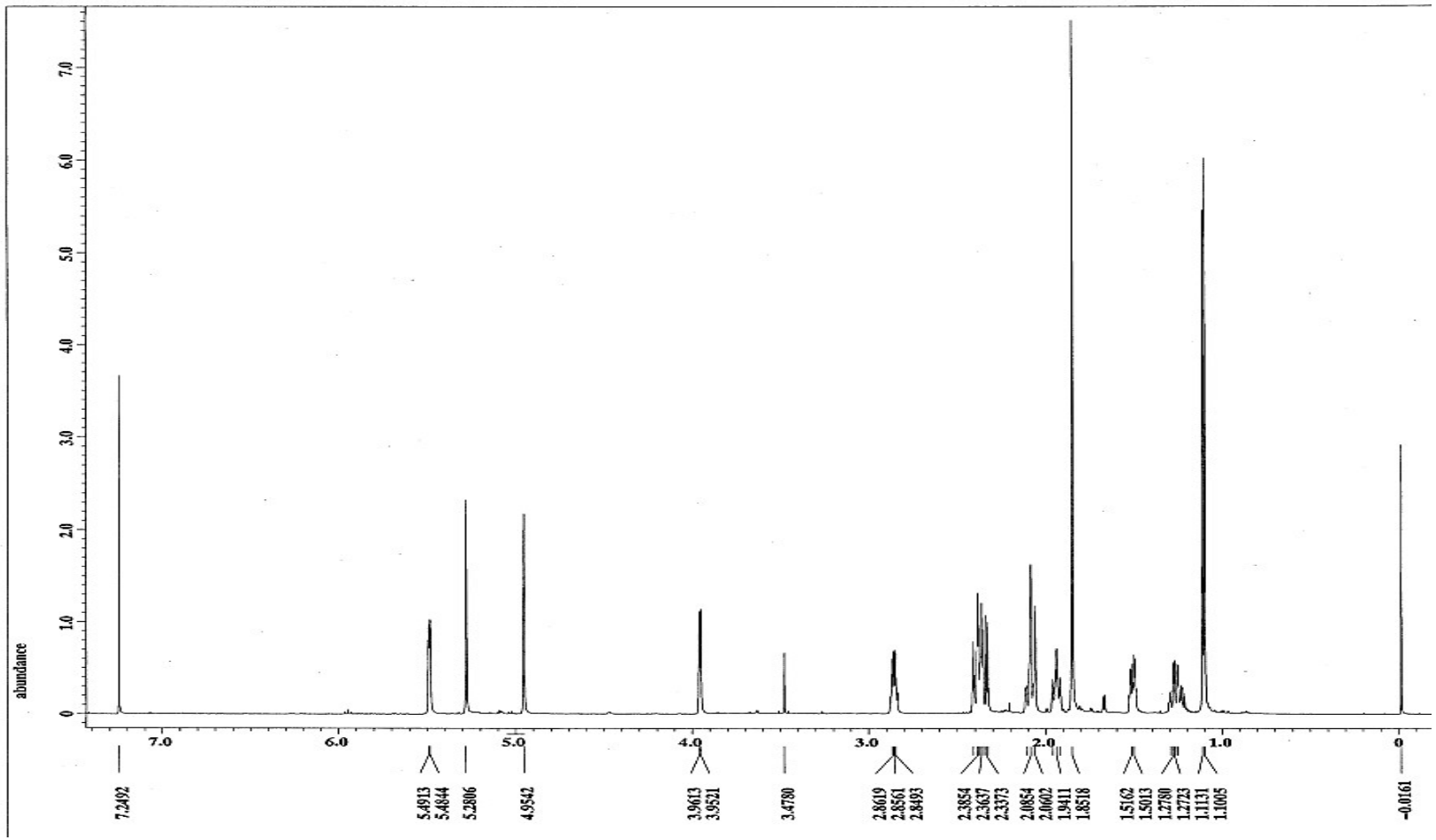
HMBC spectrum of **1** in $CDCl_3$



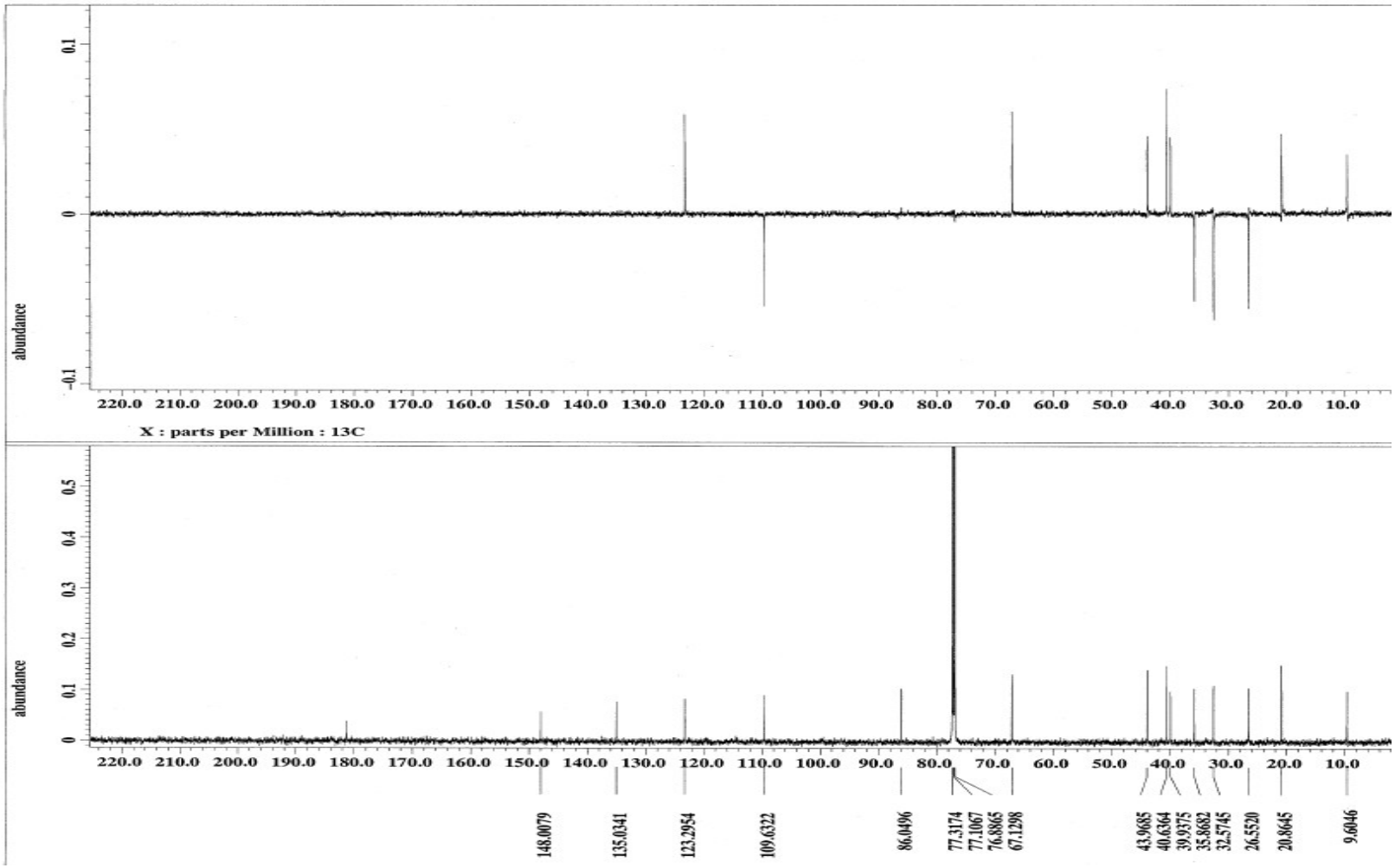
NOESY spectrum of **1** in $CDCl_3$



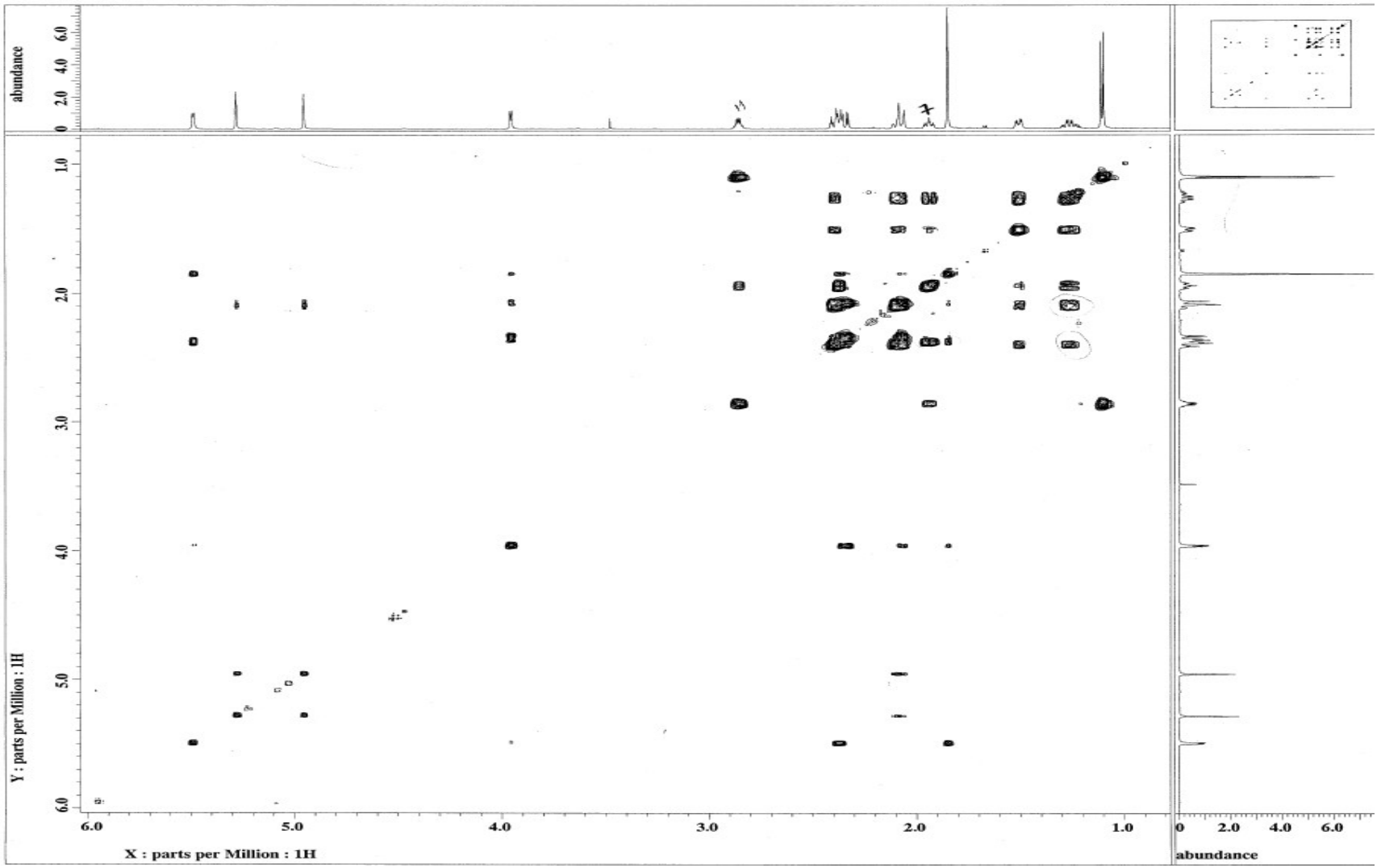
^{1}H NMR spectrum of **2** in $CDCl_3$



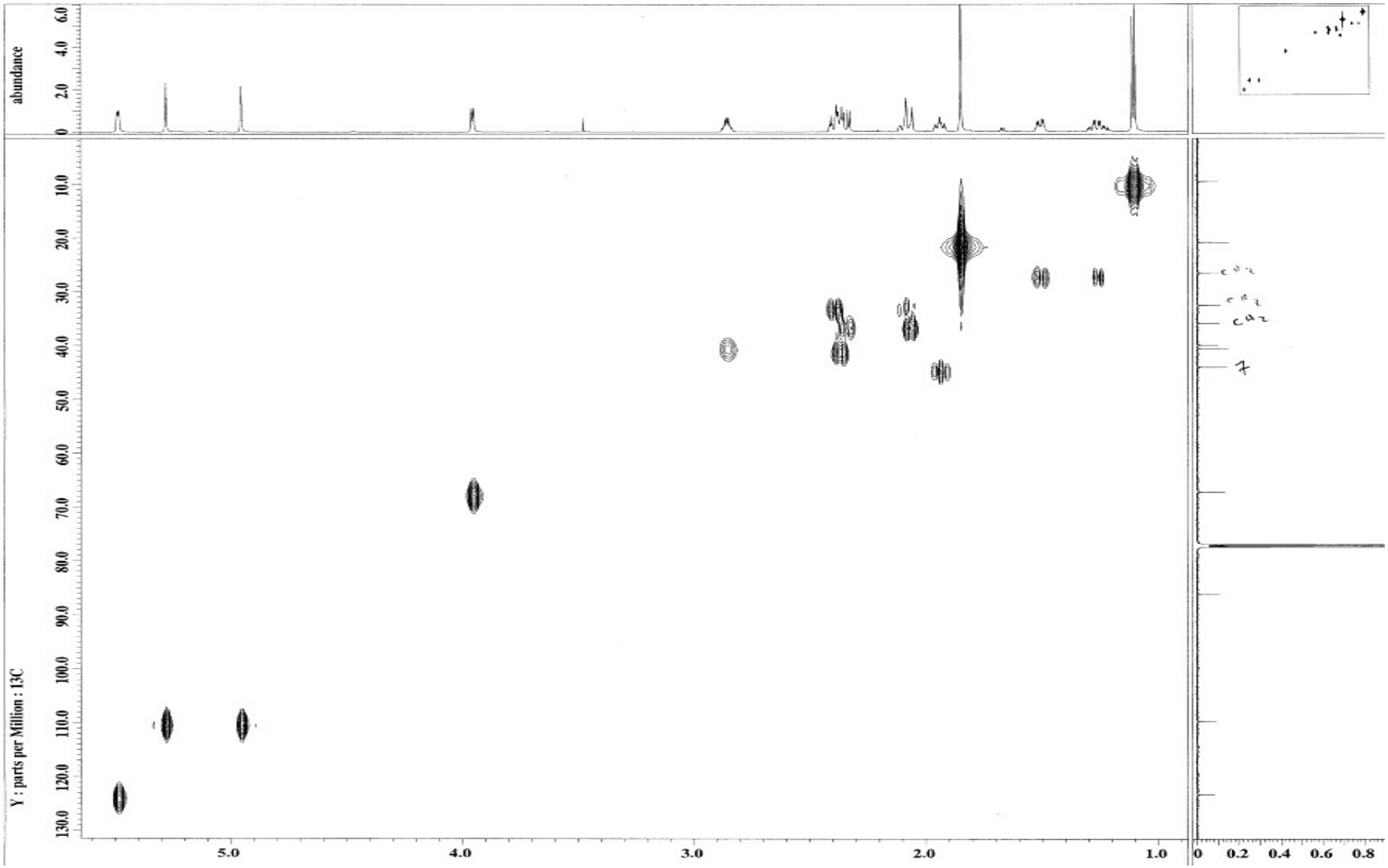
^{13}C NMR and DEPT spectrum of **2** in $CDCl_3$



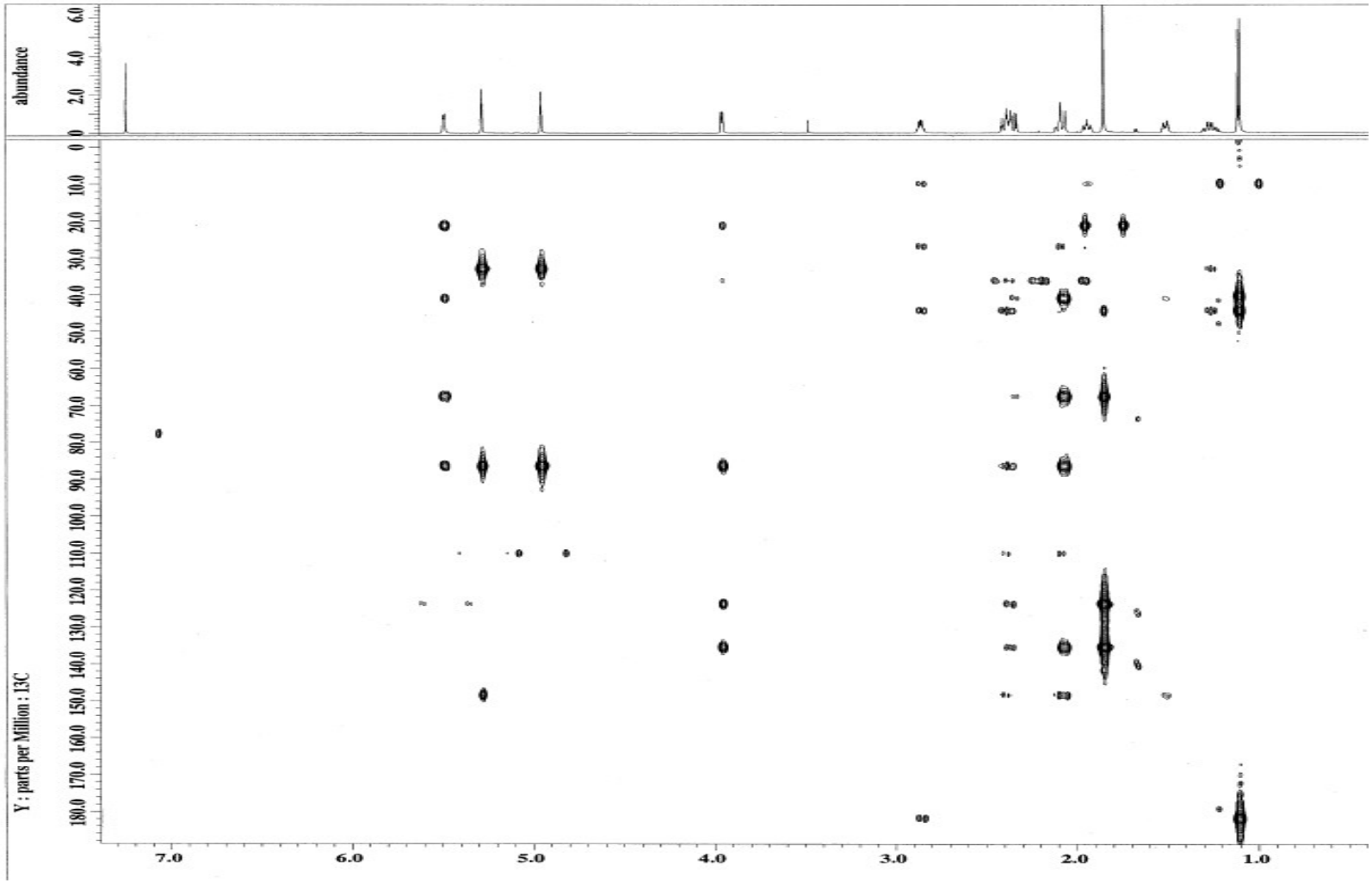
^{1}H-^{1}H COSY spectrum of **2** in $CDCl_3$



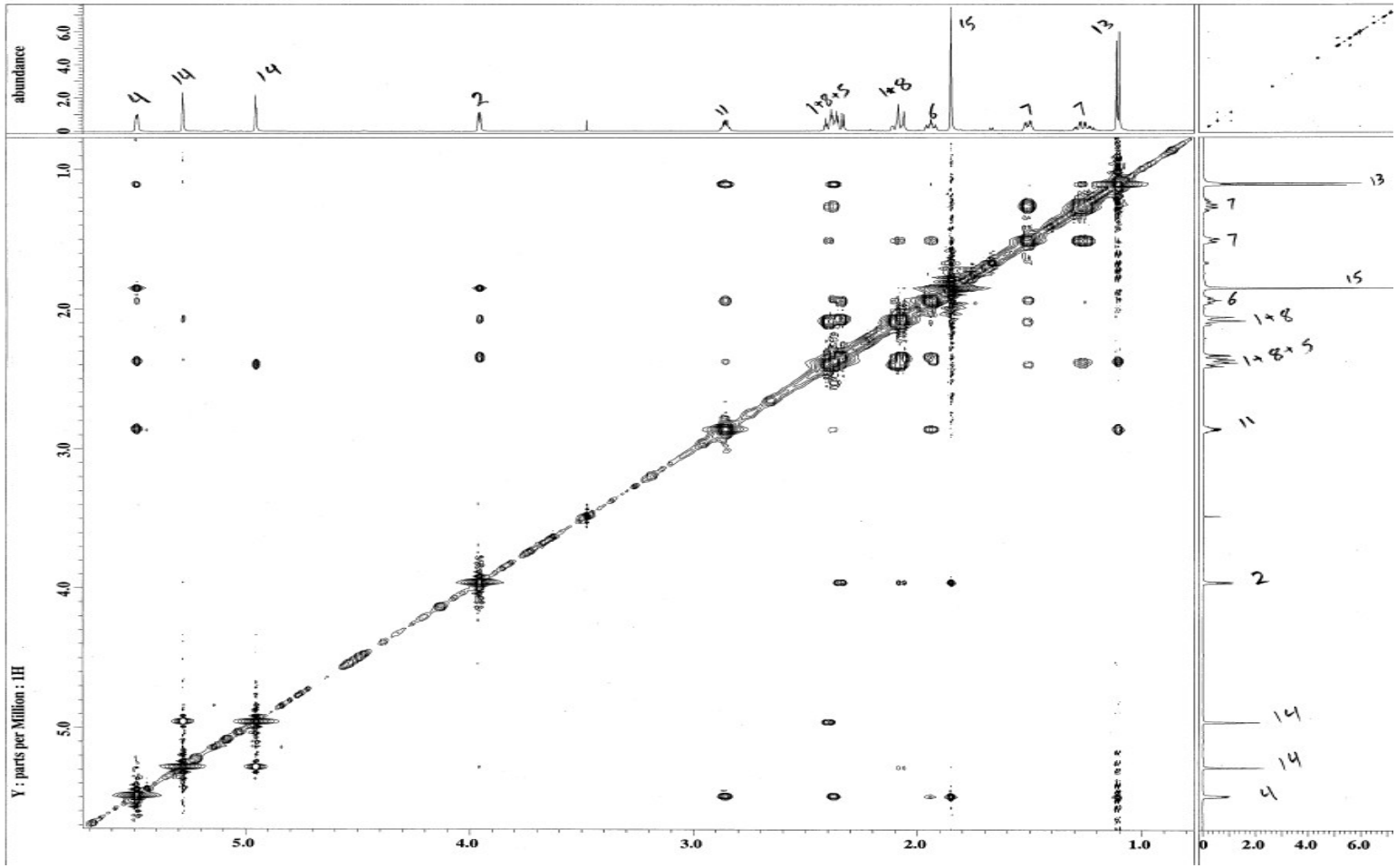
HMQC spectrum of **2** in $CDCl_3$



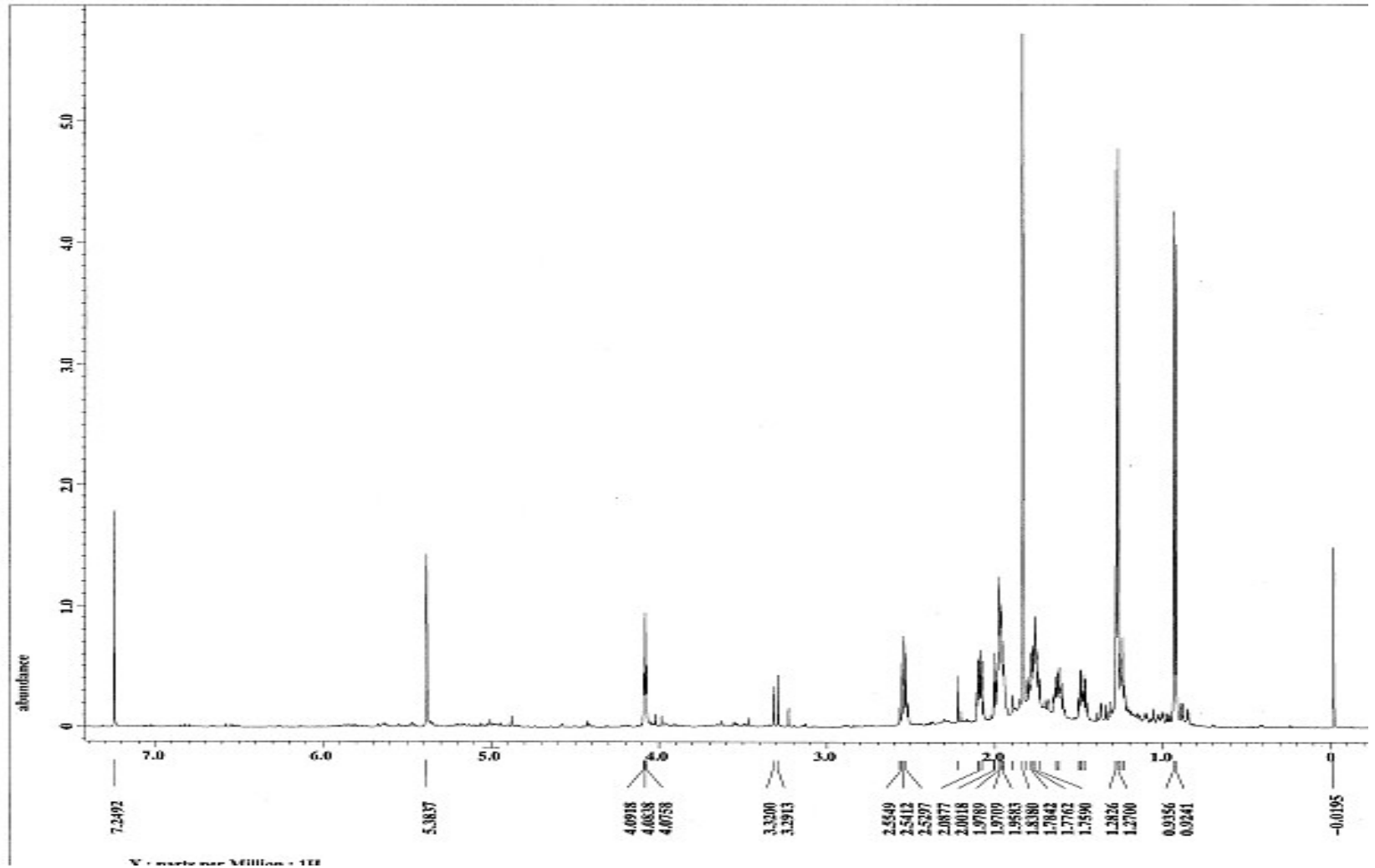
HMBC spectrum of **2** in $CDCl_3$



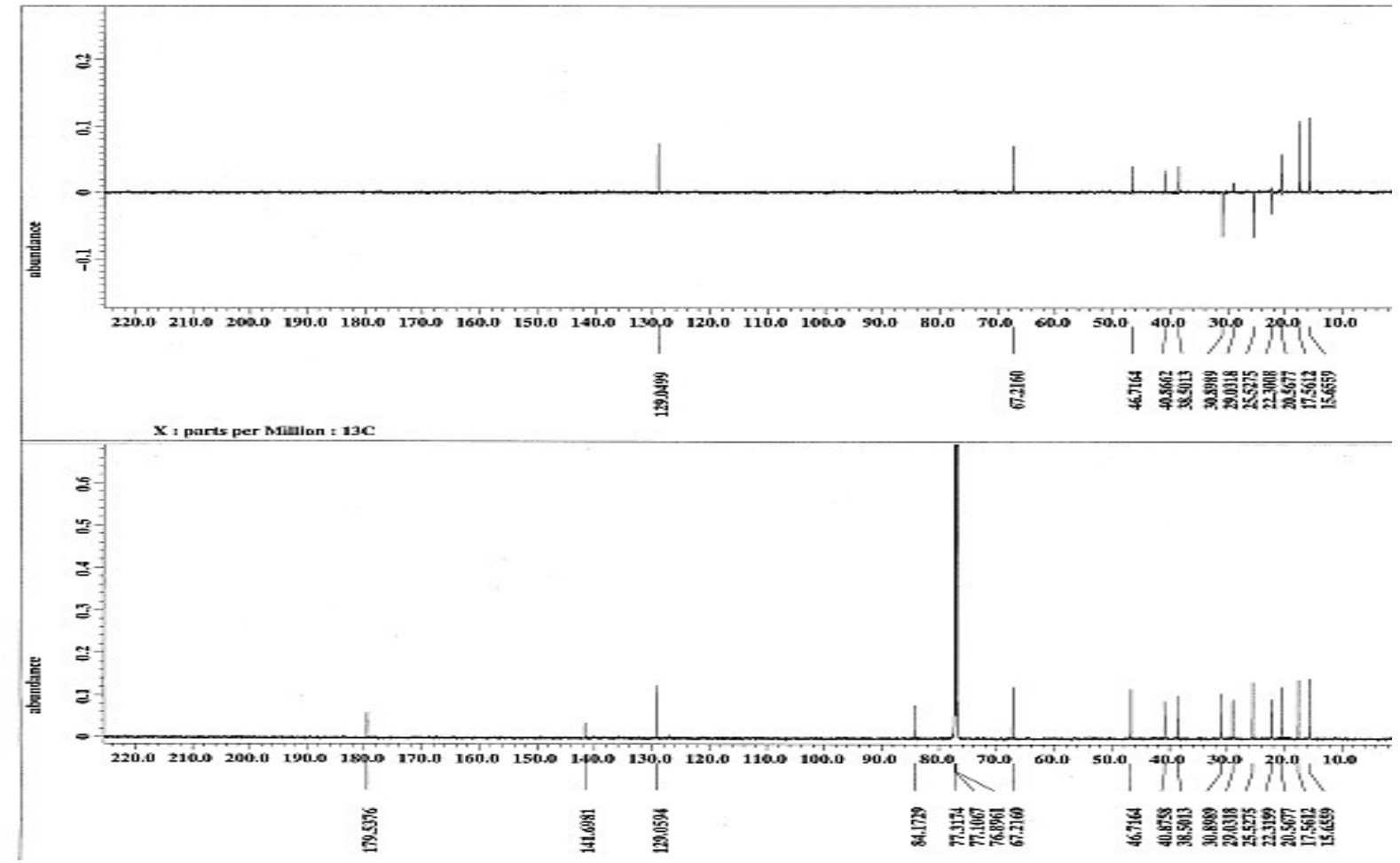
NOESY spectrum of **2** in $CDCl_3$



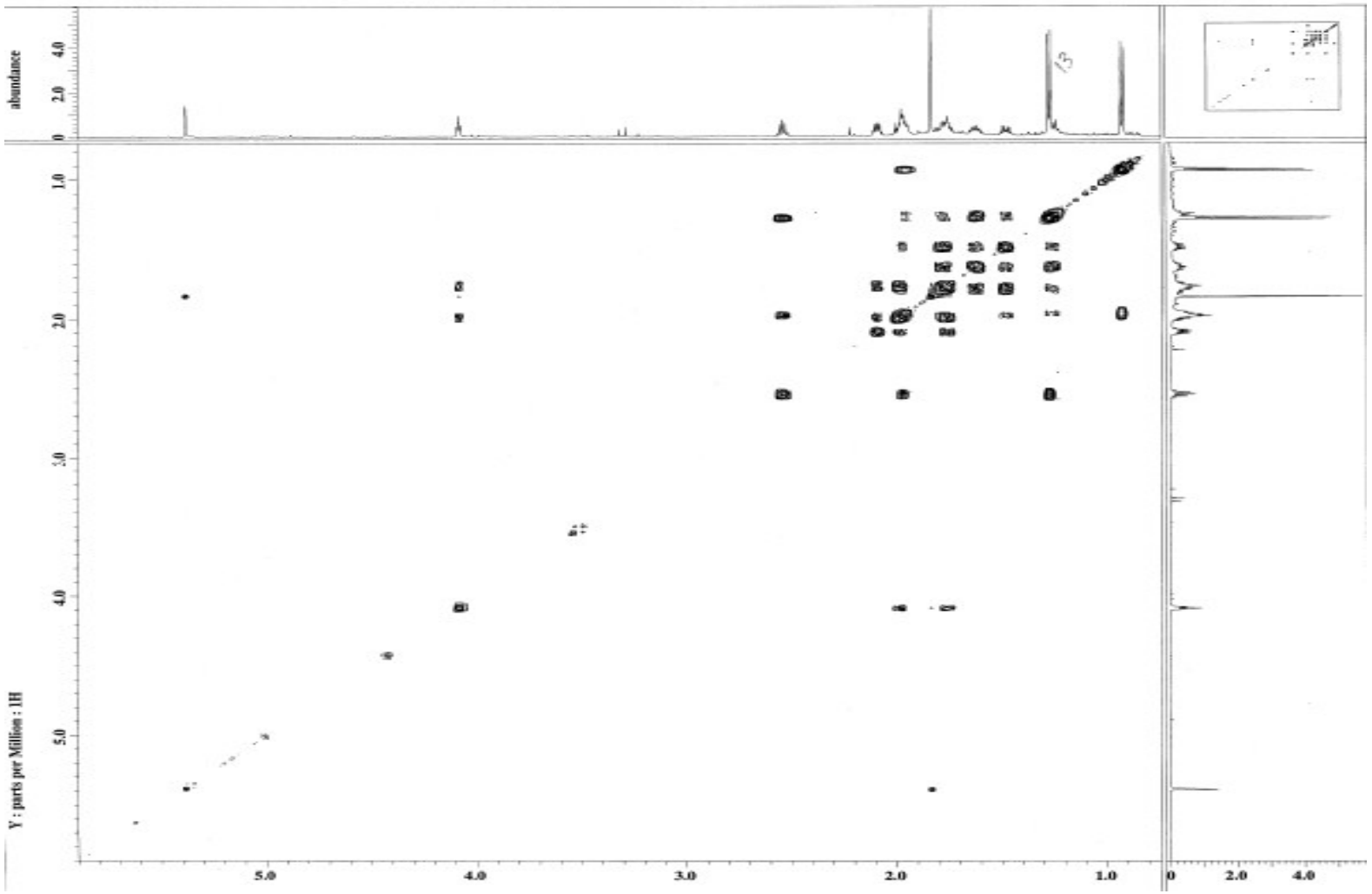
^{1}H NMR spectrum **3** in $CDCl_3$



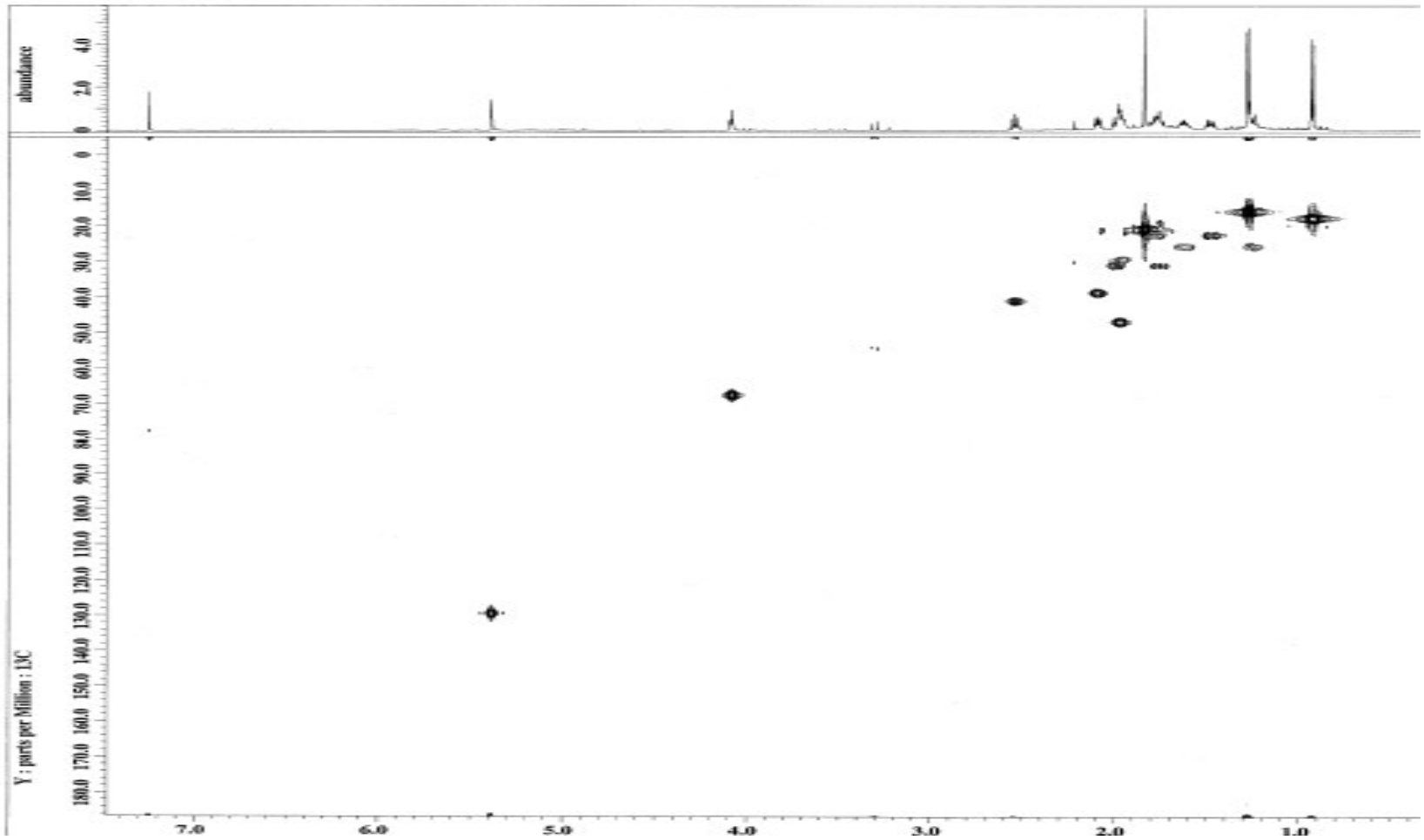
^{13}C NMR and DEPT spectrum of **3** in $CDCl_3$



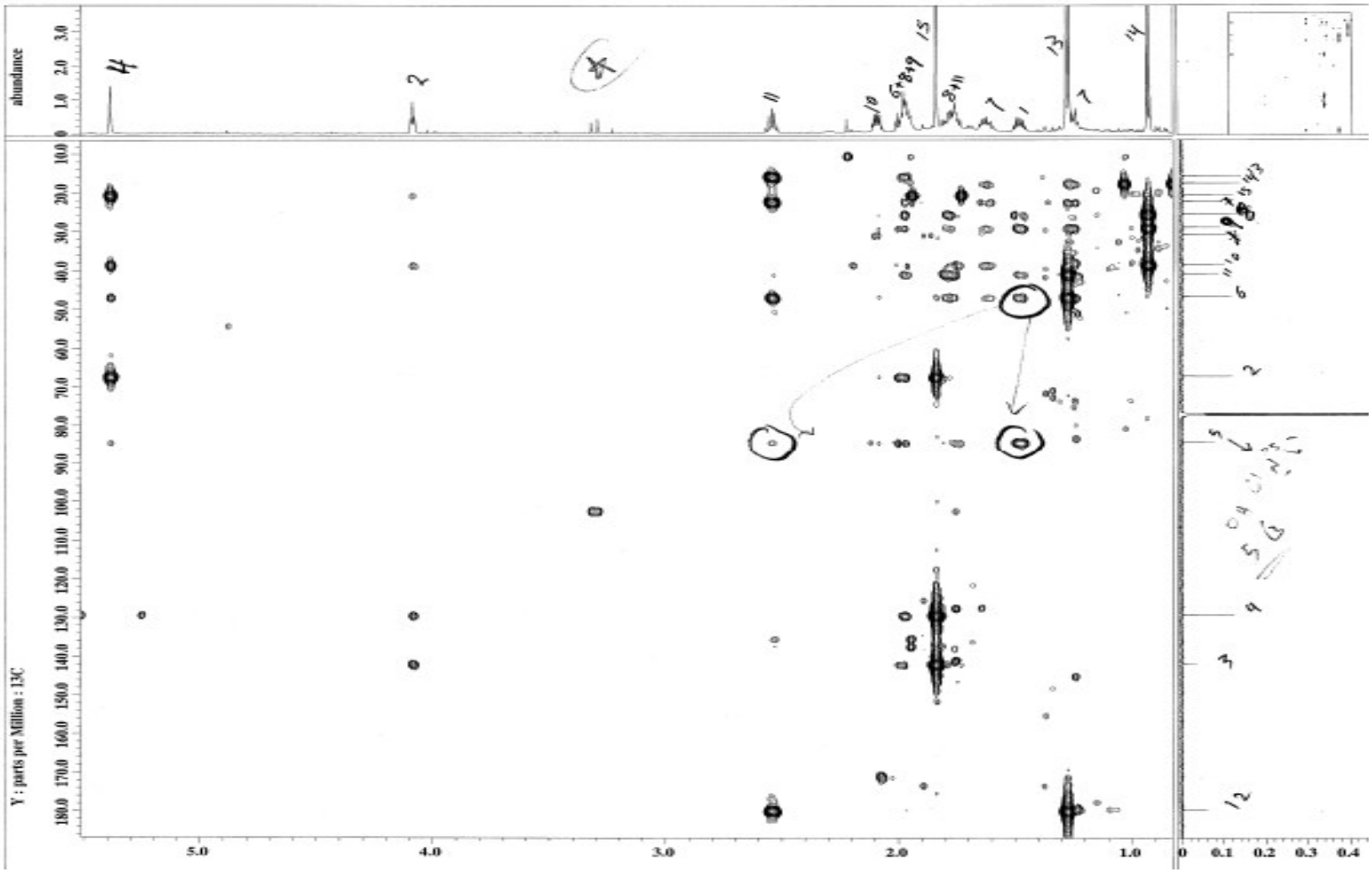
^{1}H-^{1}H COSY spectrum of **3** in $CDCl_3$



HMQC spectrum of **3** in $CDCl_3$



HMBC spectrum of **3** in $CDCl_3$



NOESY spectrum of **3** in $CDCl_3$