

Novel alkylaminoethyl derivatives of androstane 3-oximes as anticancer candidates: Synthesis and evaluation of cytotoxic effect

Jovana J. Ajduković,^{*a} Dimitar S. Jakimov,^b Lucie Rárová,^c Miroslav Strnad,^d Yaraslau U. Dzichenka,^e Sergey Usanov,^e Dušan Đ. Škorić,^a Suzana S. Jovanović-Šanta^a and Marija N. Sakač^a

^a Department of Chemistry, Biochemistry and Environmental Protection, Faculty of Sciences, University of Novi Sad, Trg Dositeja Obradovića 3, 21000 Novi Sad, Serbia.

^b Oncology Institute of Vojvodina, Faculty of Medicine, University of Novi Sad, Put Dr Goldmana 4, 21204 Sremska Kamenica, Serbia.

^c Department of Experimental Biology, Faculty of Science, Palacký University, Šlechtitelů 27, CZ-78371 Olomouc, Czech Republic.

^d Laboratory of Growth Regulators, Institute of Experimental Botany of the Czech Academy of Sciences, and Faculty of Science, Palacký University, Šlechtitelů 27, CZ-78371 Olomouc, Czech Republic.

^e Institute of Bioorganic Chemistry NAS of Belarus, Kuprevicha Street, 5/2 Minsk, 220141, Belarus.

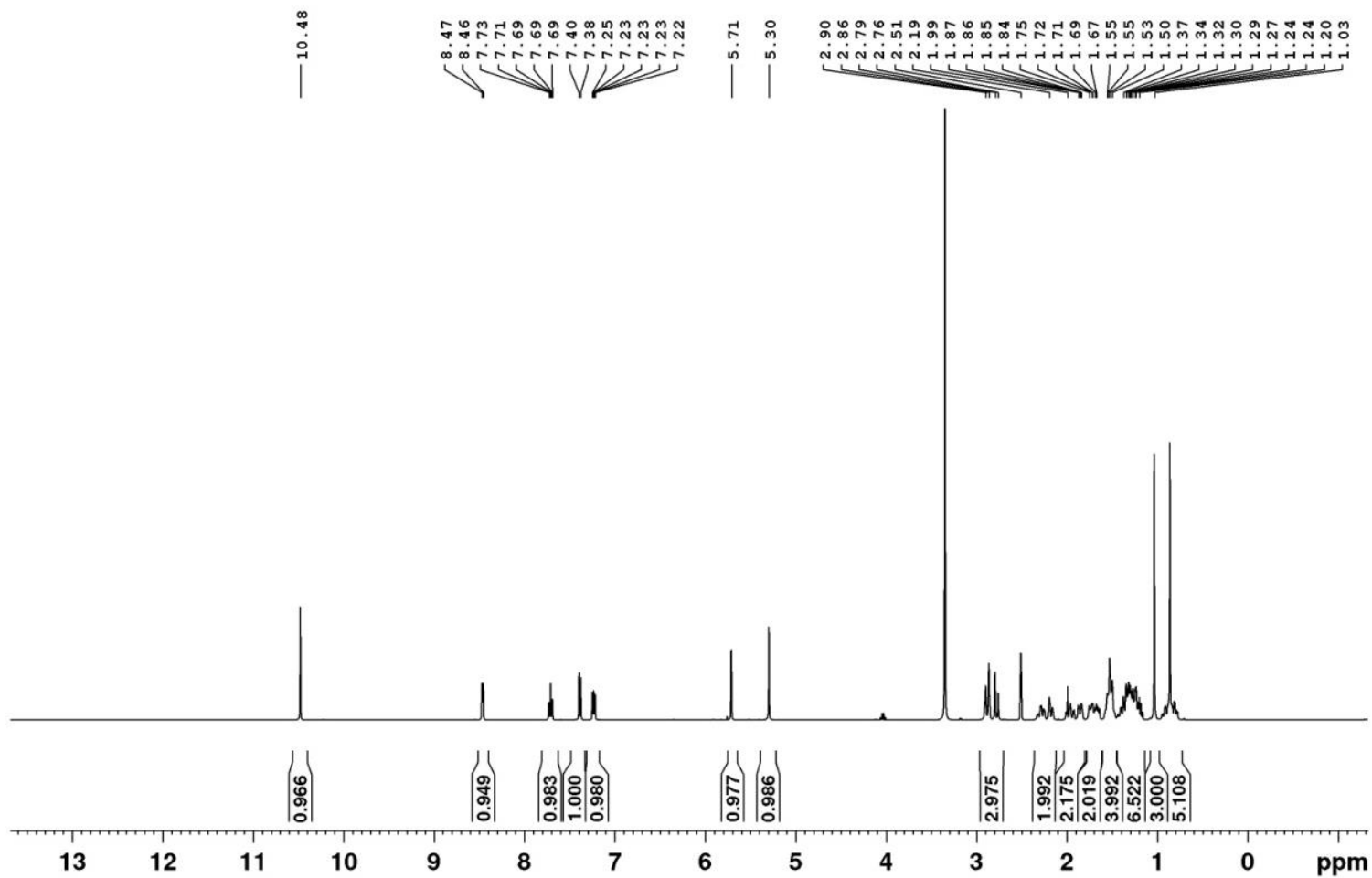
* Corresponding author. Tel: +381 21 485 2733; Fax: +381 21 454 065

E-mail address: jovana.ajdukovic@dh.uns.ac.rs

Content:

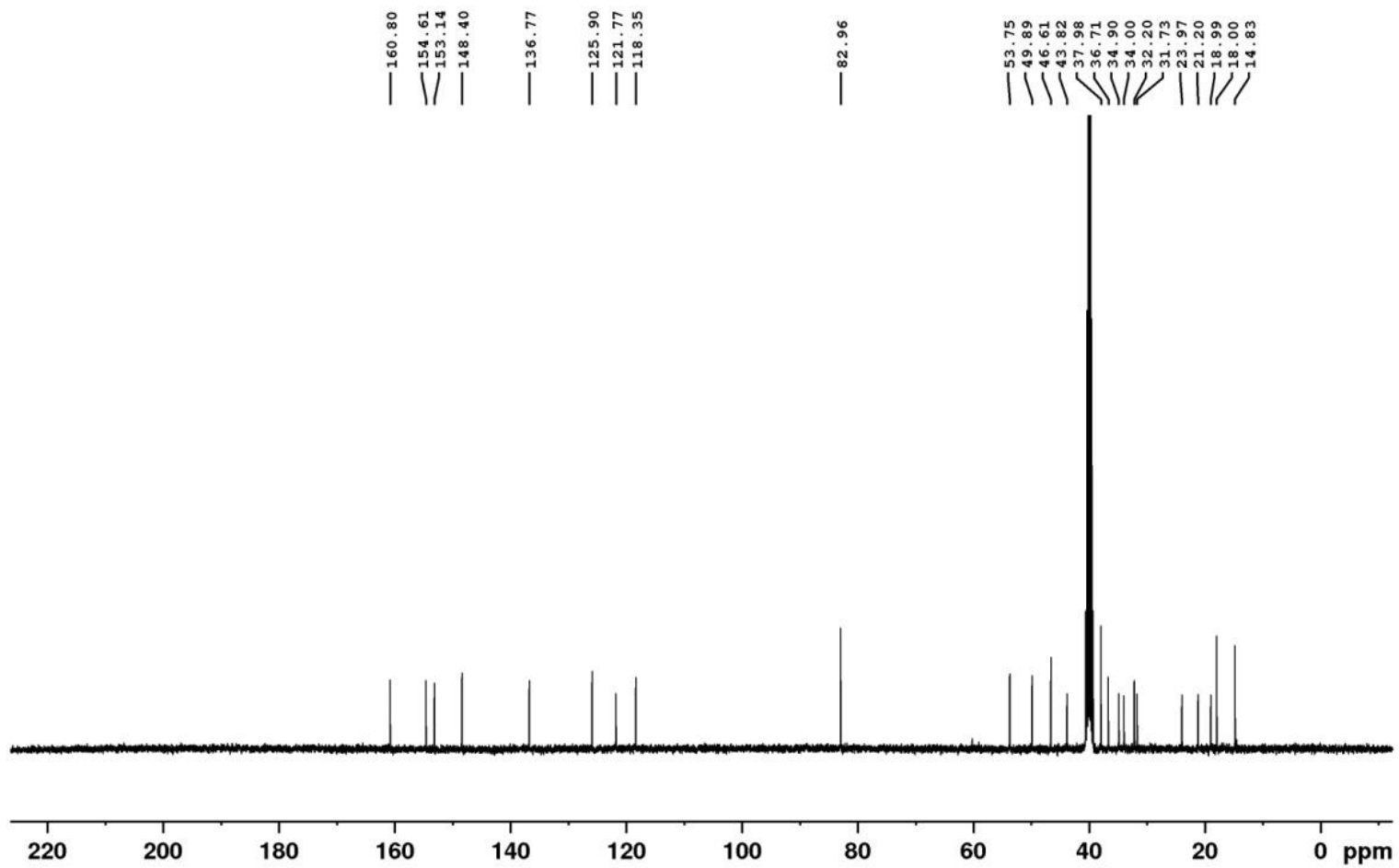
1. ¹ H and ¹³ C NMR spectra of new compounds.....	2
---	---

^1H NMR (400 MHz, DMSO) Compound 2



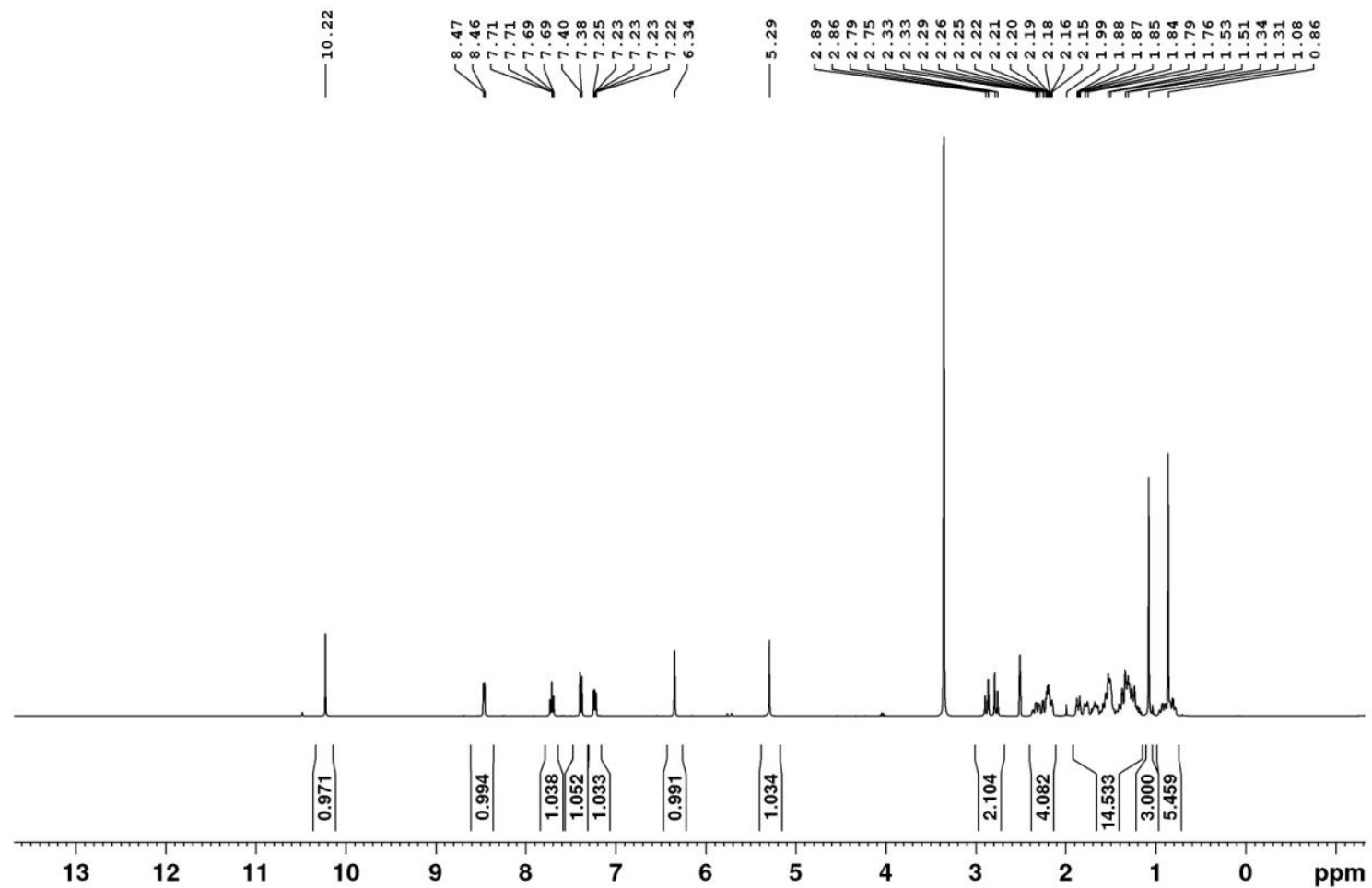
^1H NMR spectrum (400 MHz, DMSO) of compound 2

^{13}C NMR (100 MHz, DMSO) Compound 2



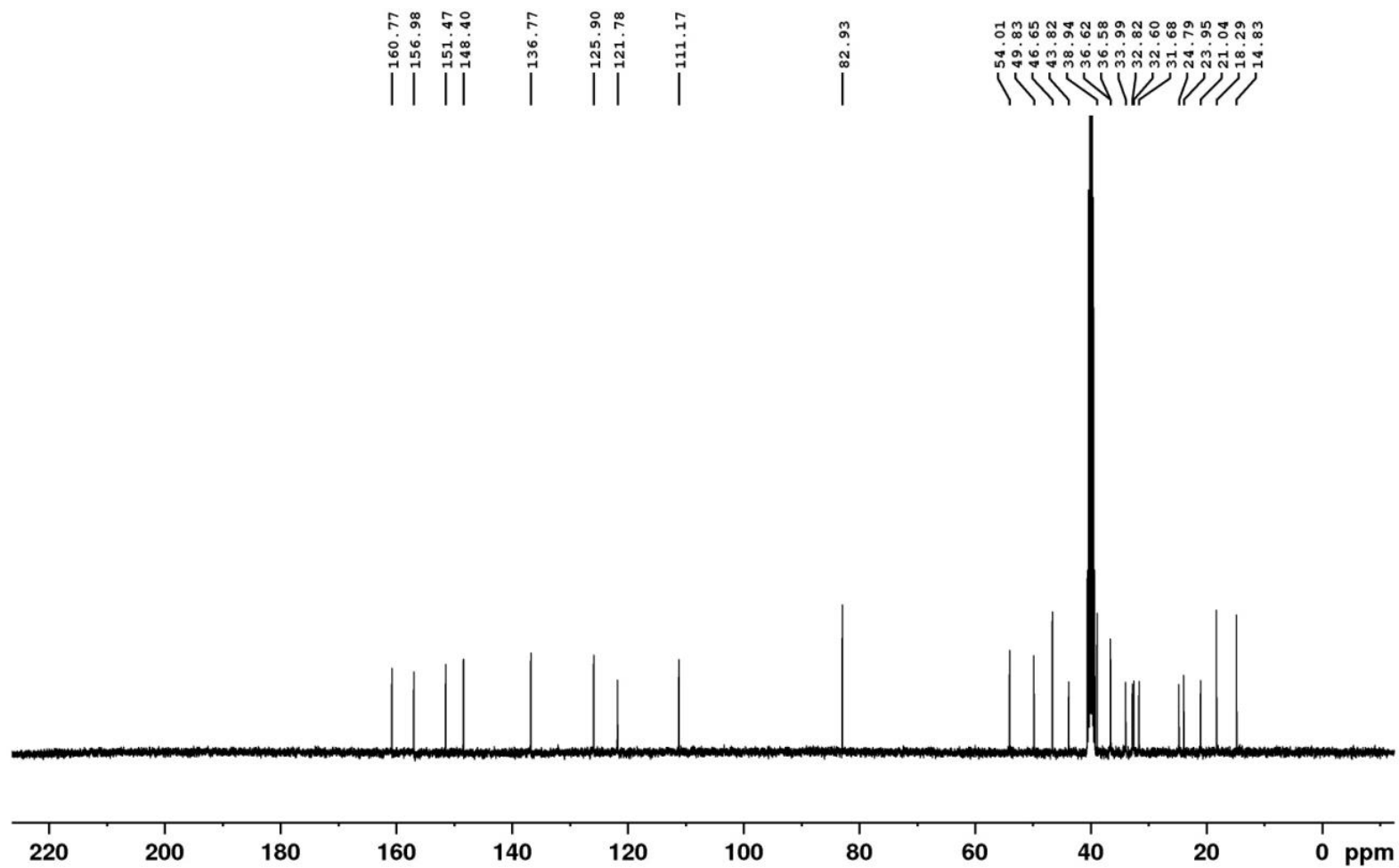
^{13}C NMR spectrum (100 MHz, DMSO) of compound 2

^1H NMR (400 MHz, DMSO) Compound 3



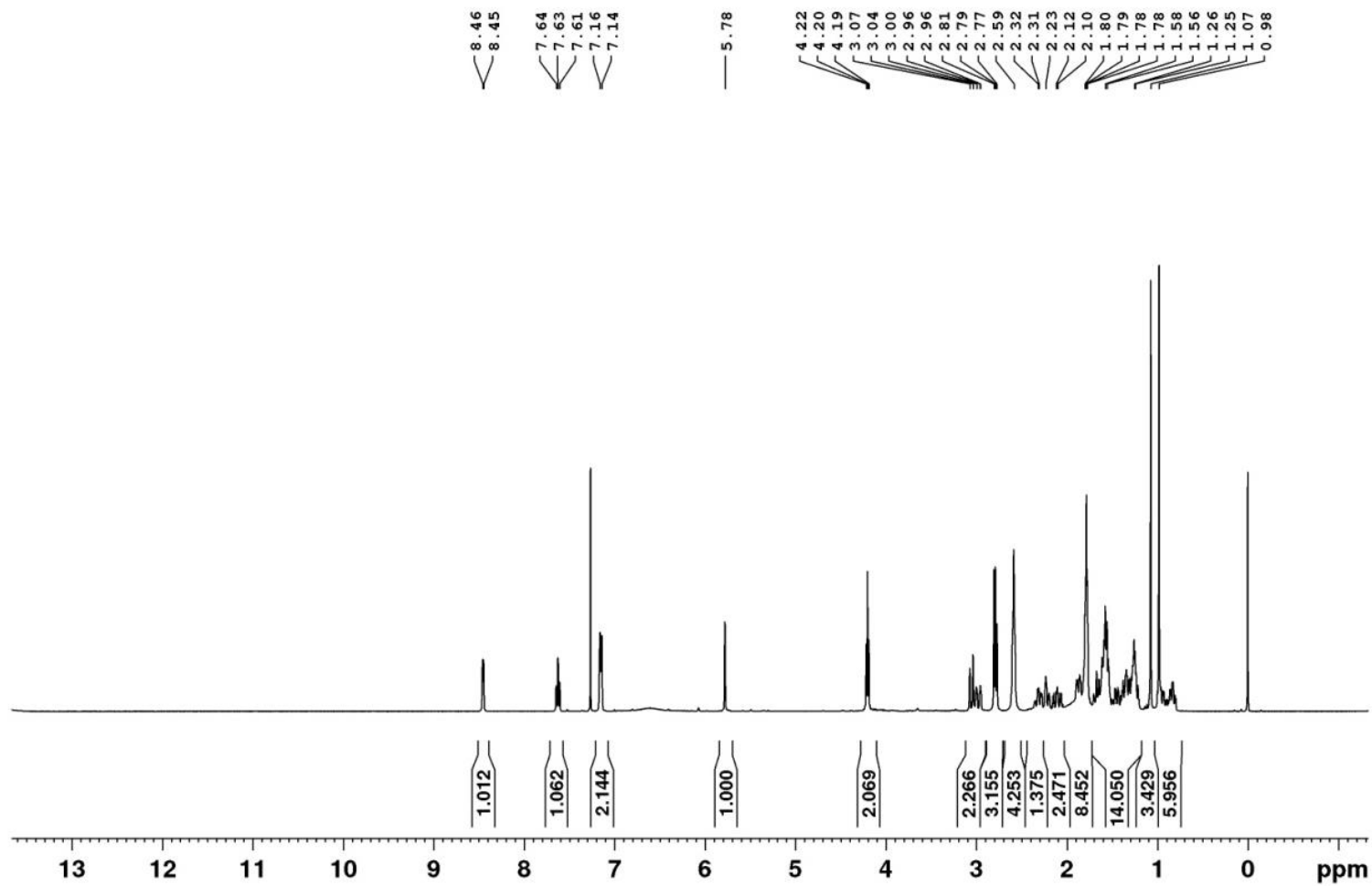
^1H NMR spectrum (400 MHz, DMSO) of compound 3

^{13}C NMR (100 MHz, DMSO) Compound 3



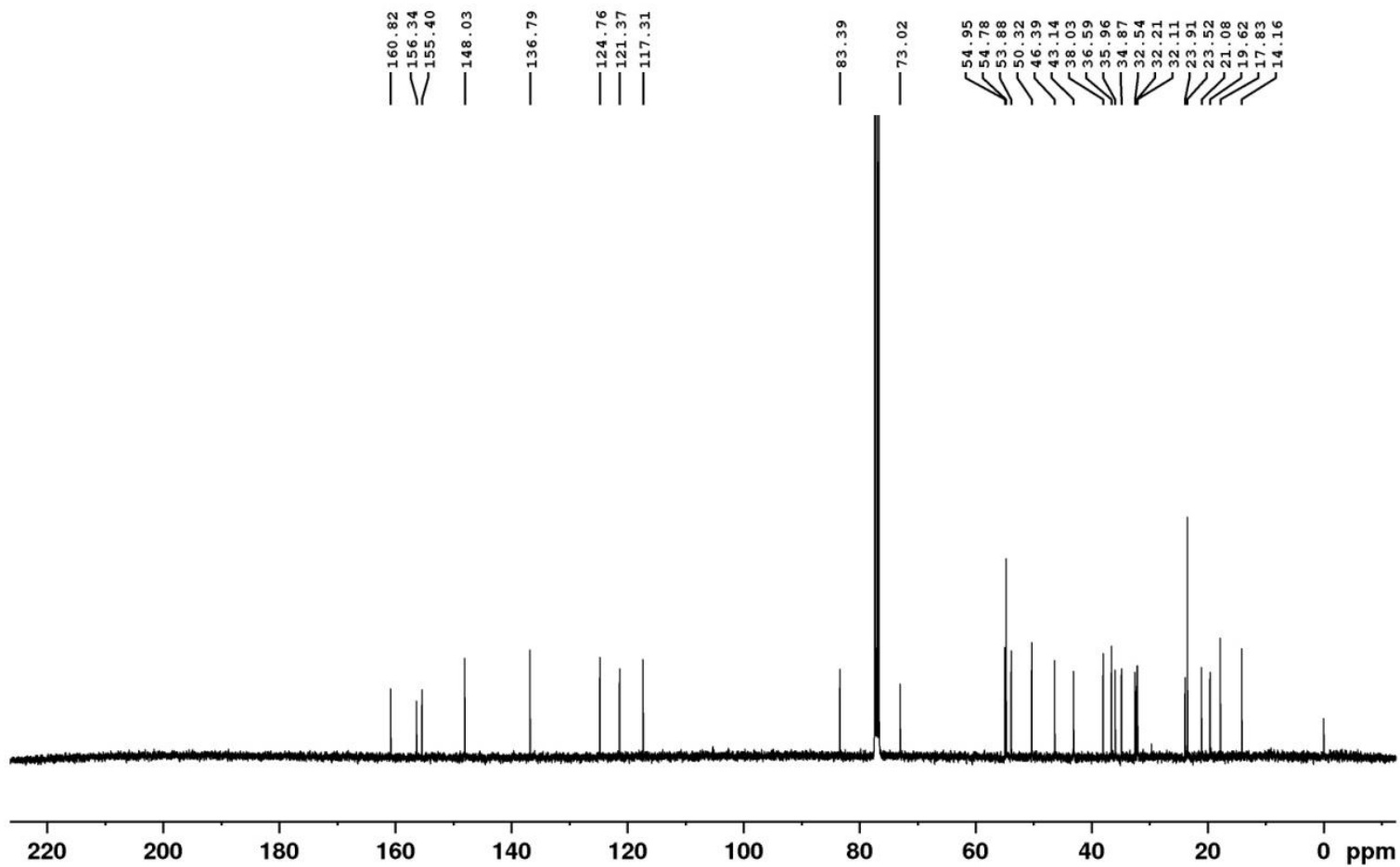
^{13}C NMR spectrum (100 MHz, DMSO) of compound 3

^1H NMR (400 MHz, CDCl_3) Compound 4



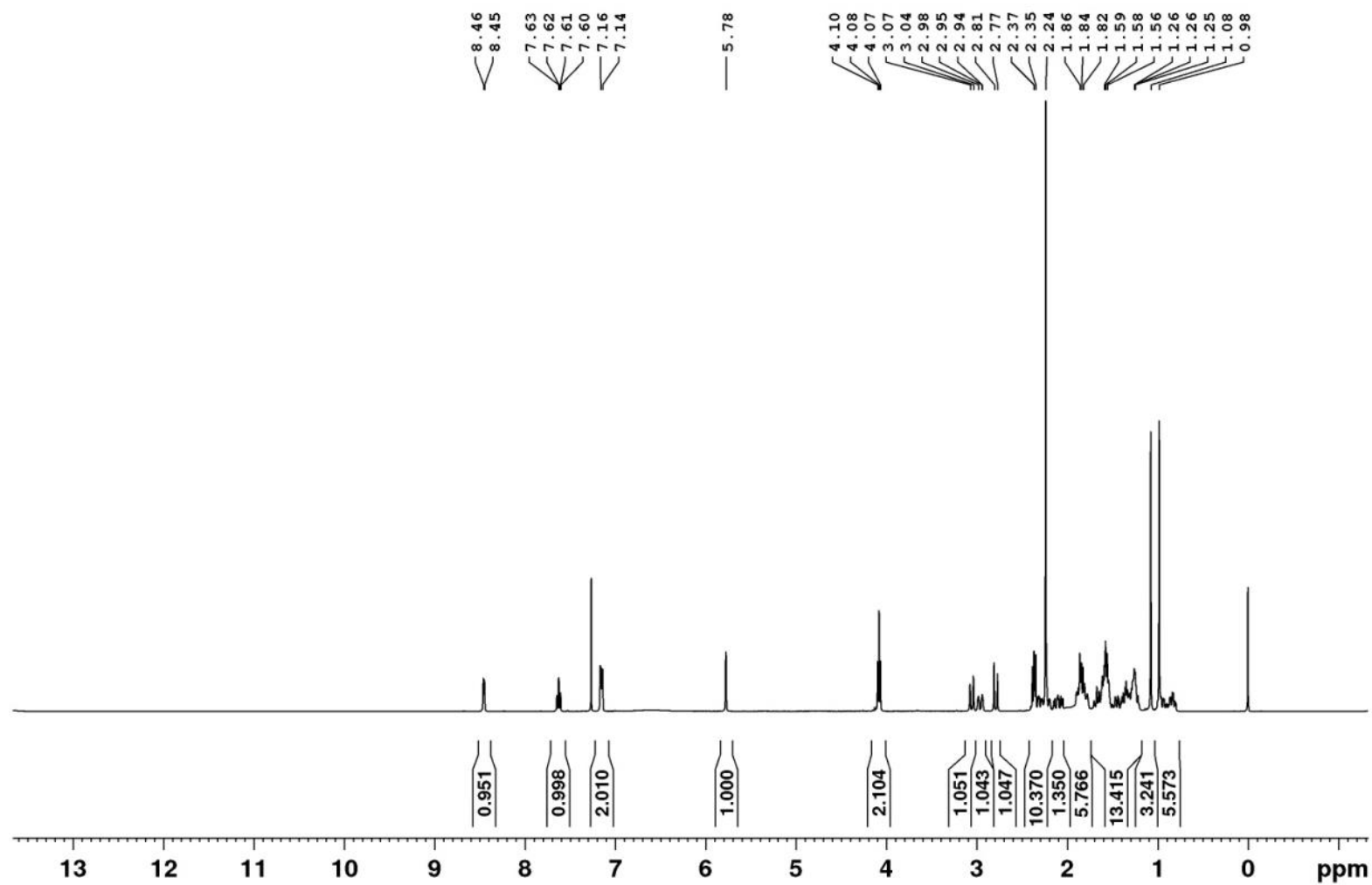
^1H NMR spectrum (400 MHz, CDCl_3) of compound 4

^{13}C NMR (100 MHz, CDCl_3) Compound 4



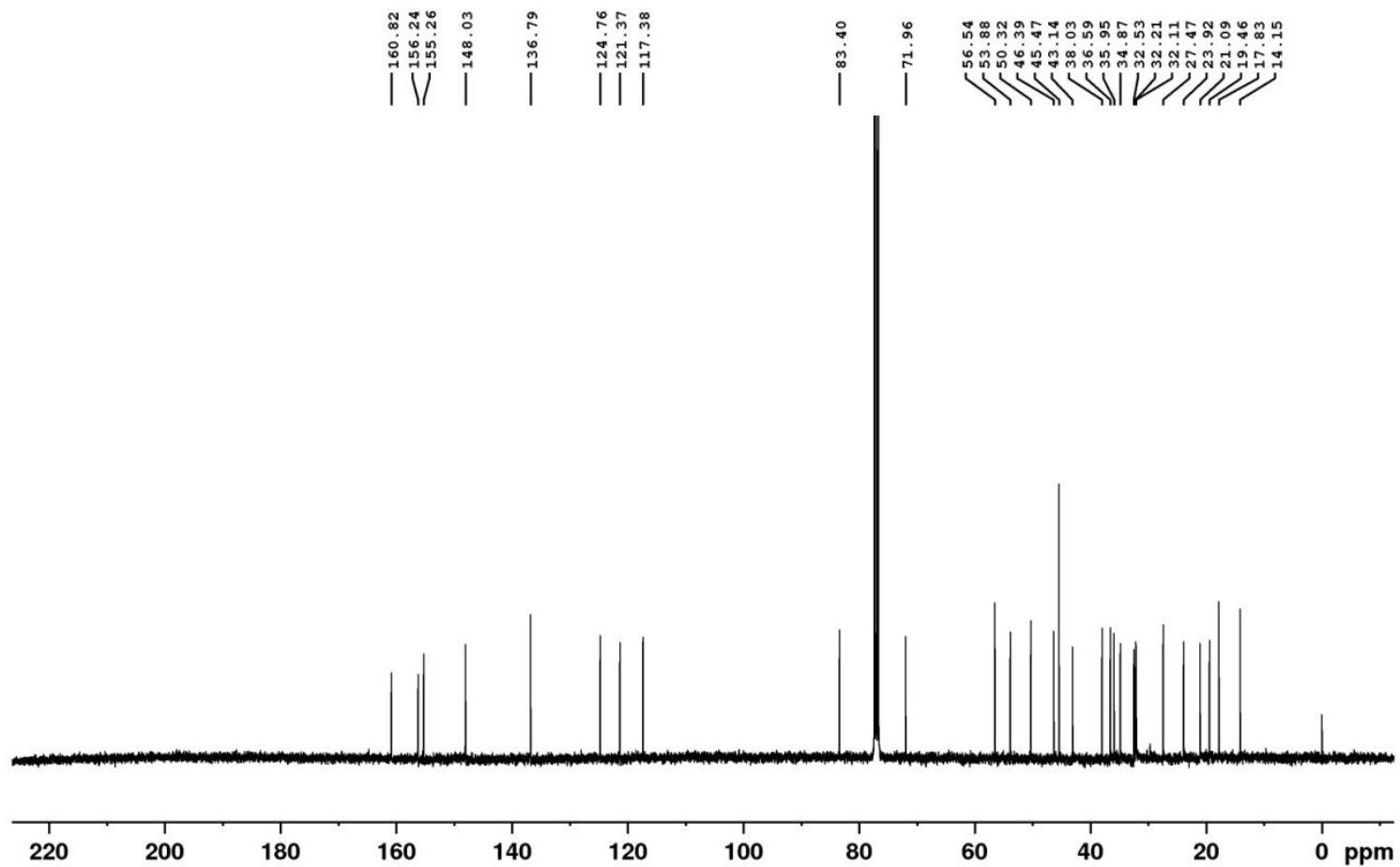
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 4

^1H NMR (400 MHz, CDCl_3) Compound 5



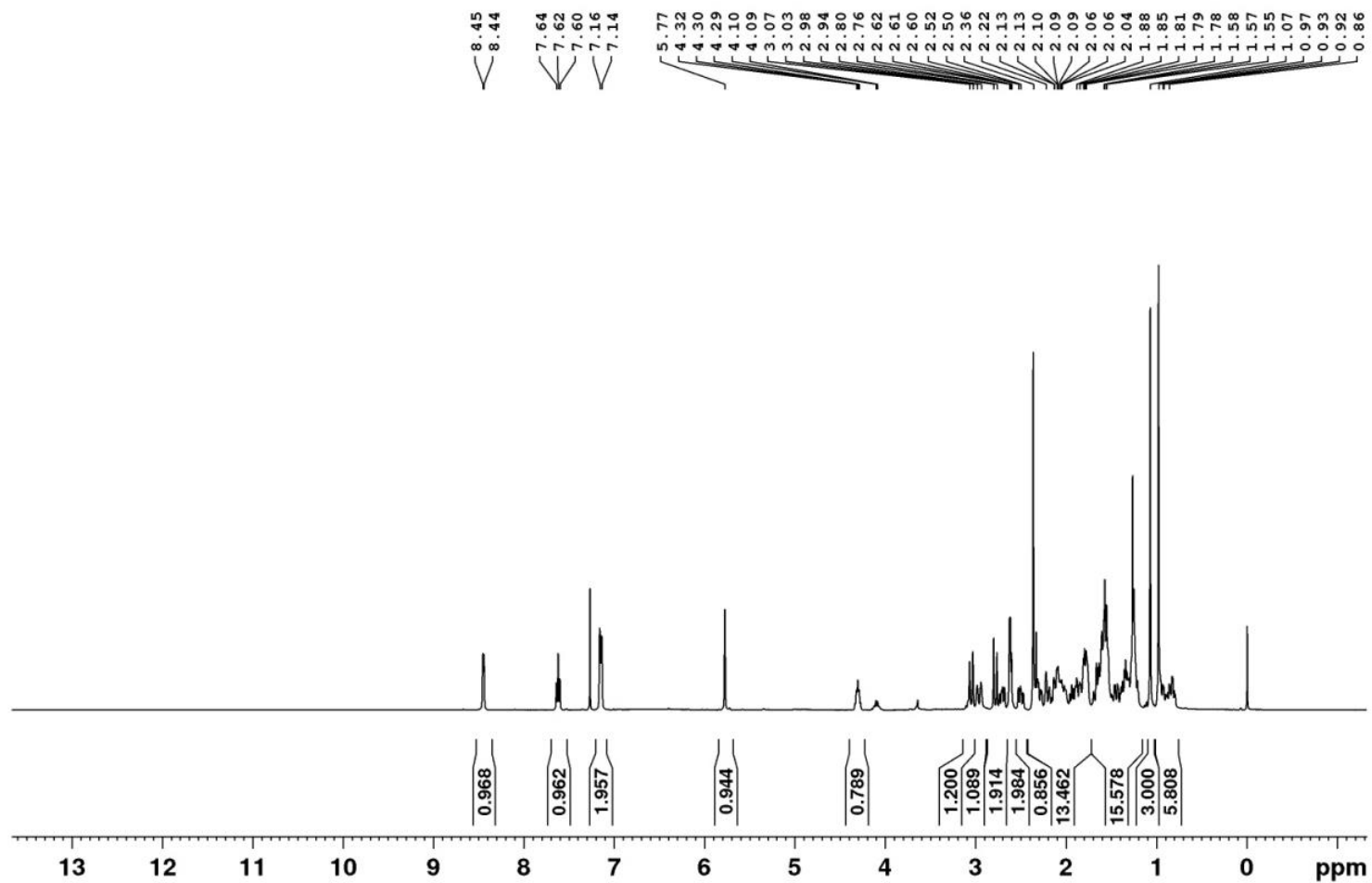
^1H NMR spectrum (400 MHz, CDCl_3) of compound 5

^{13}C NMR (100 MHz, CDCl_3) Compound 5



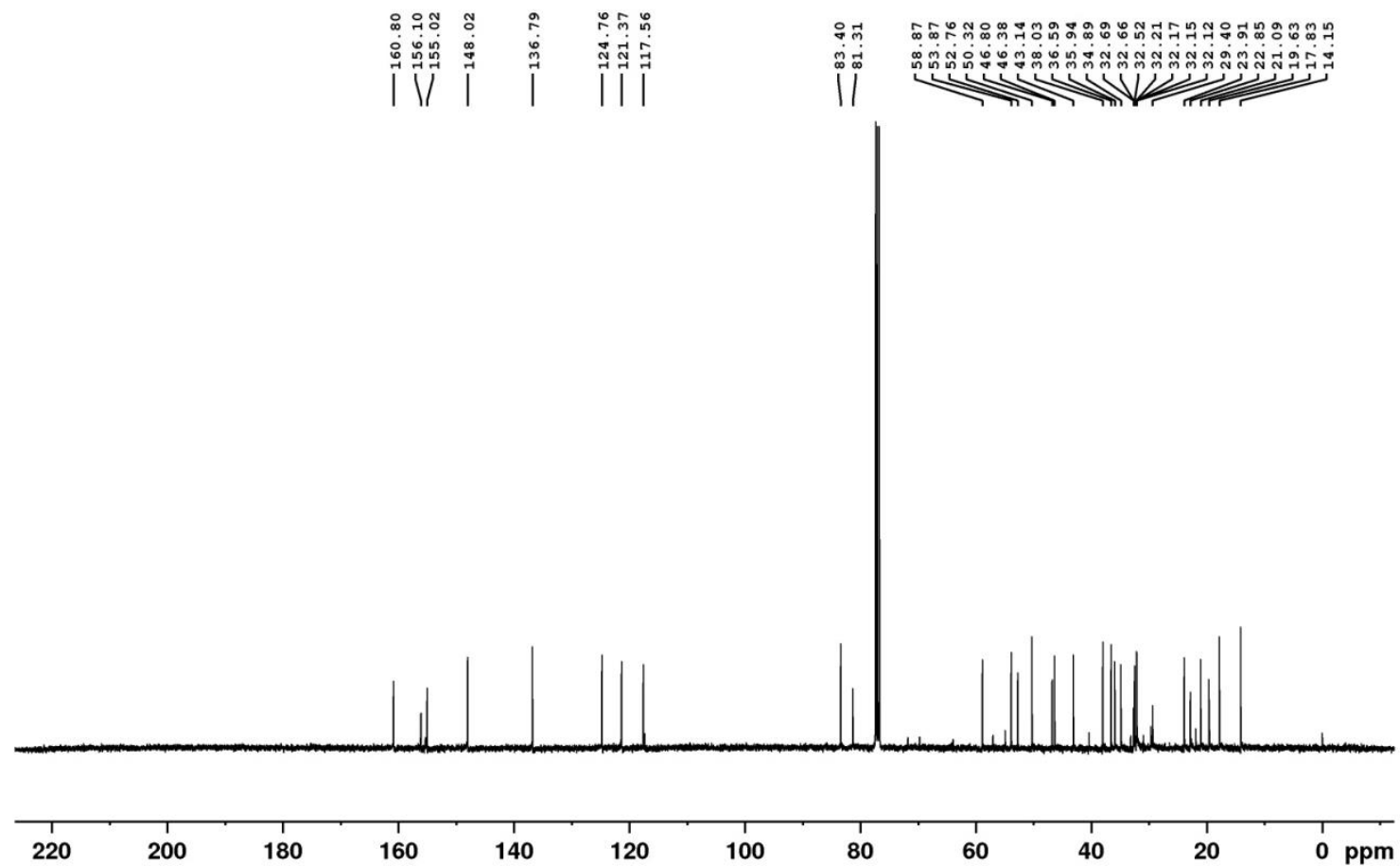
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 5

^1H NMR (400 MHz, CDCl_3) Compound 6



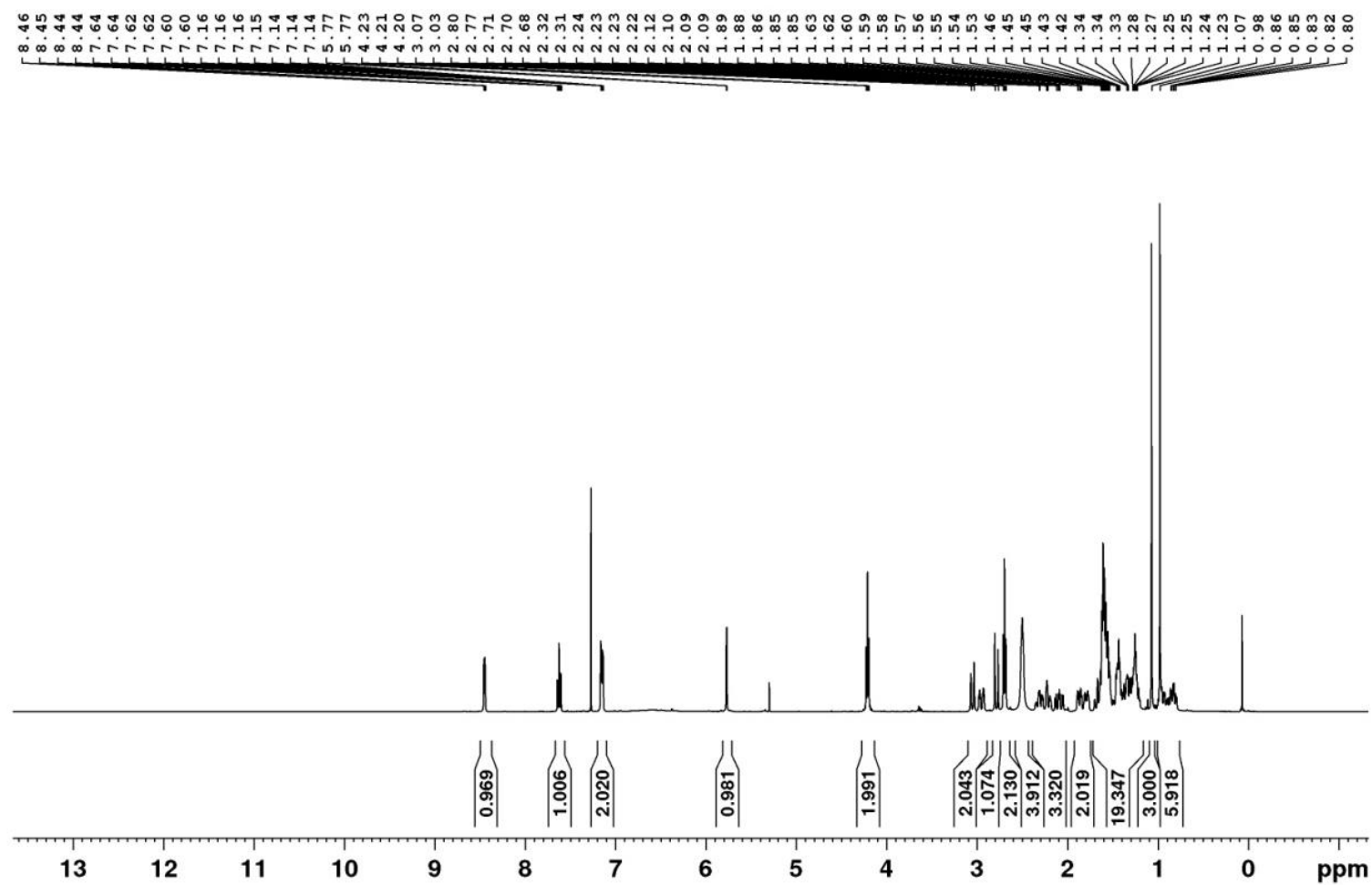
^1H NMR spectrum (400 MHz, CDCl_3) of compound 6

^{13}C NMR (100 MHz, CDCl_3) Compound 6



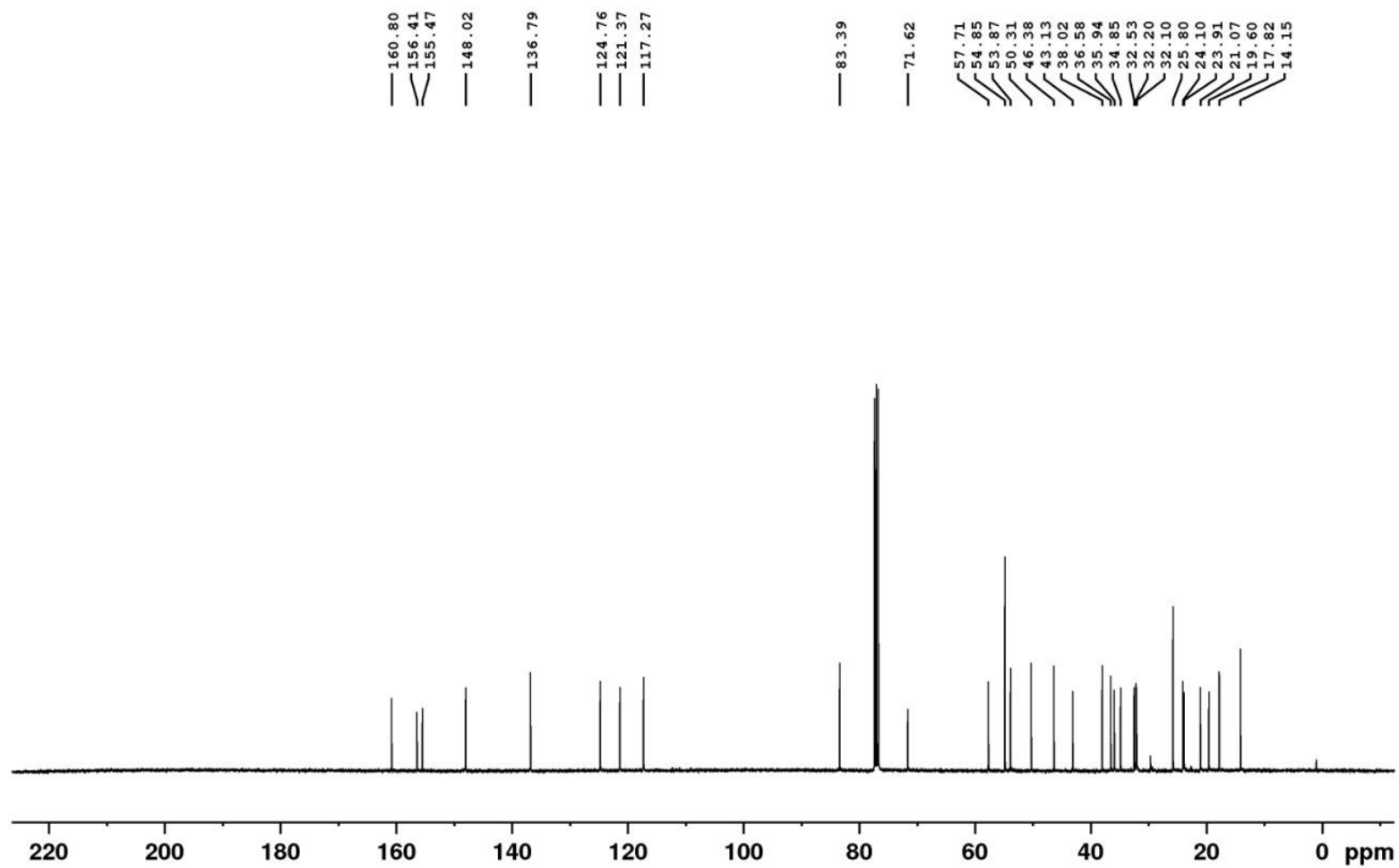
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 6

^1H NMR (400 MHz, CDCl_3) Compound 7



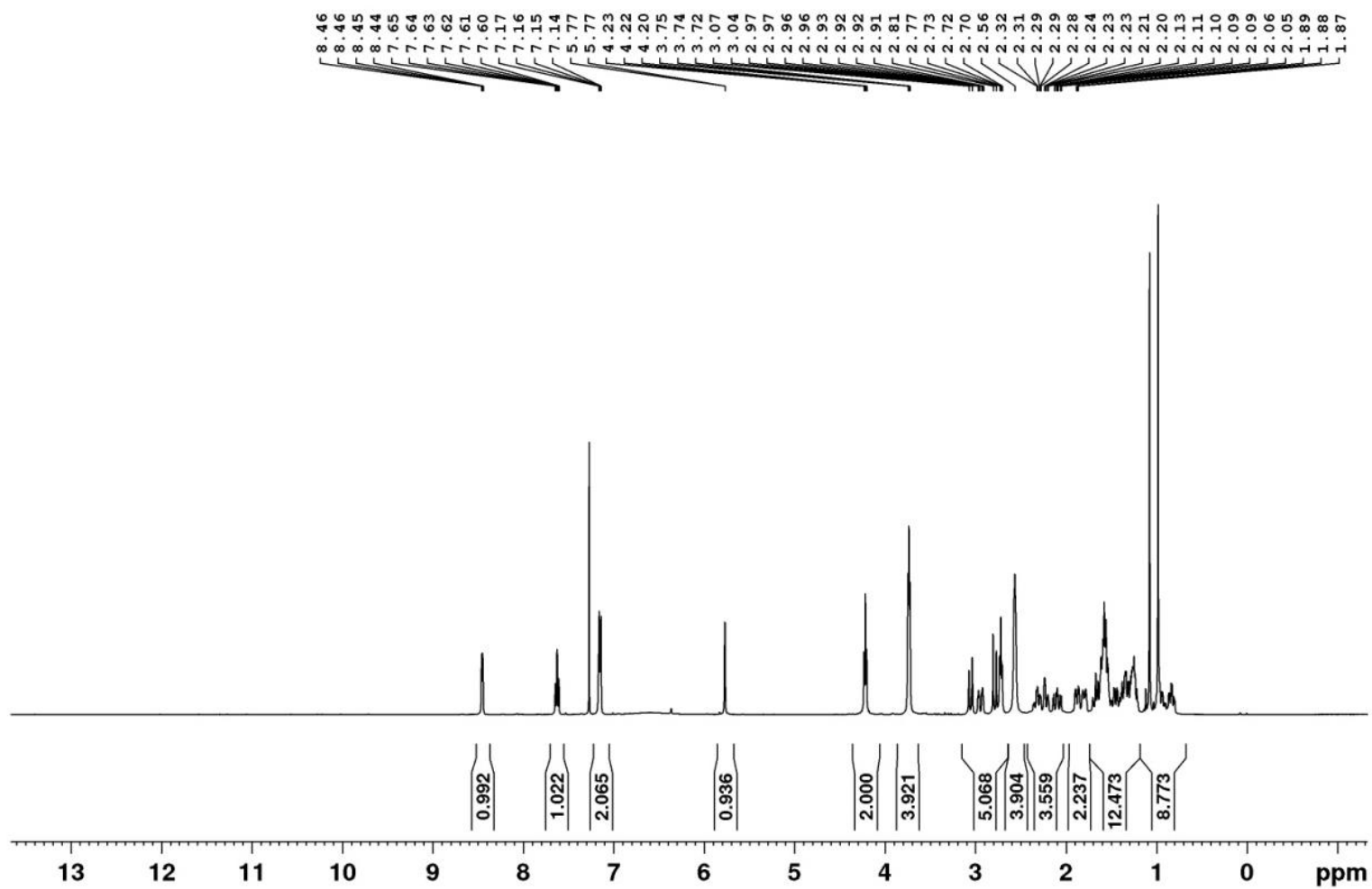
^1H NMR spectrum (400 MHz, CDCl_3) of compound 7

^{13}C NMR (100 MHz, CDCl_3) Compound 7



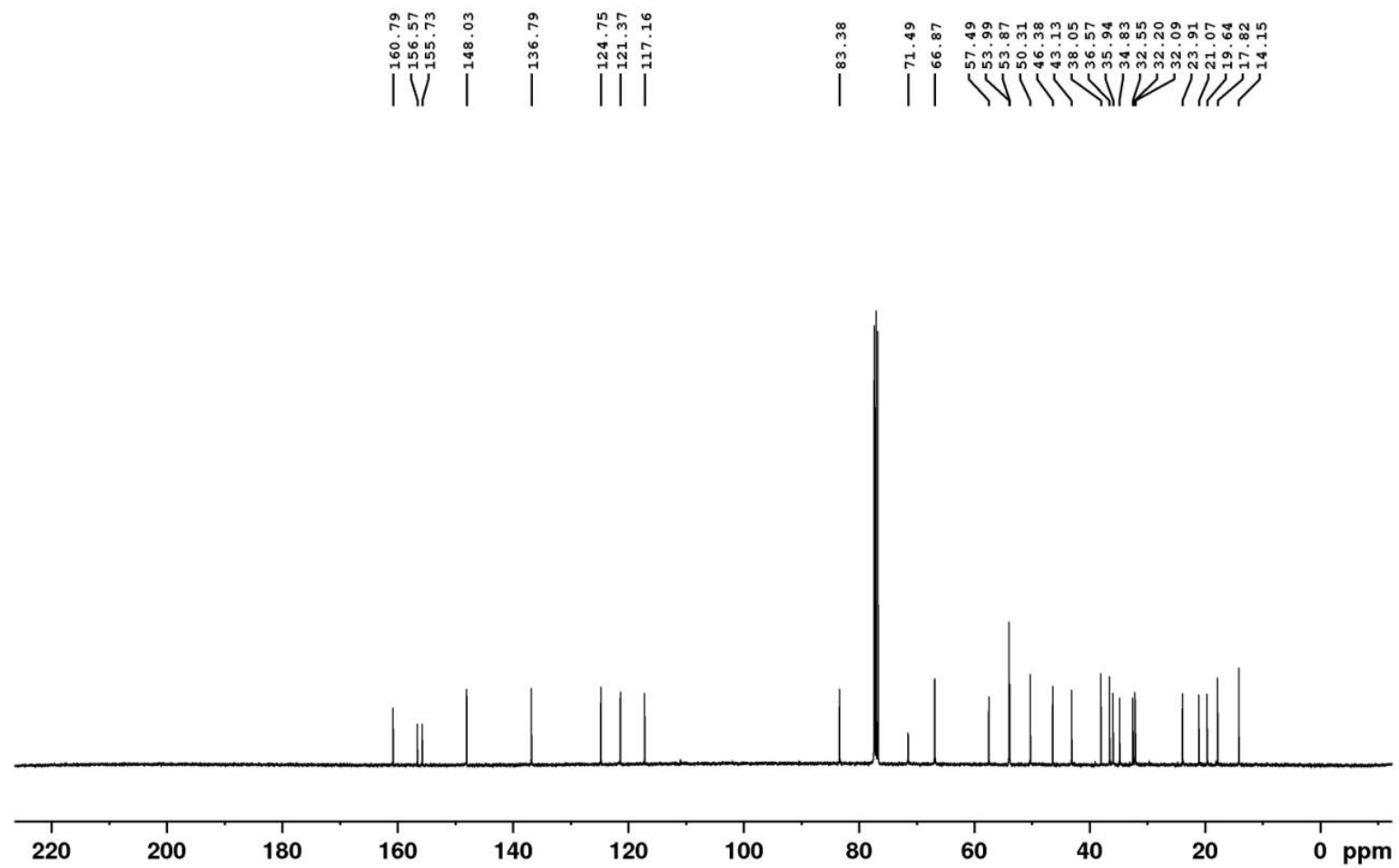
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 7

^1H (400 MHz, CDCl_3) Compound 8



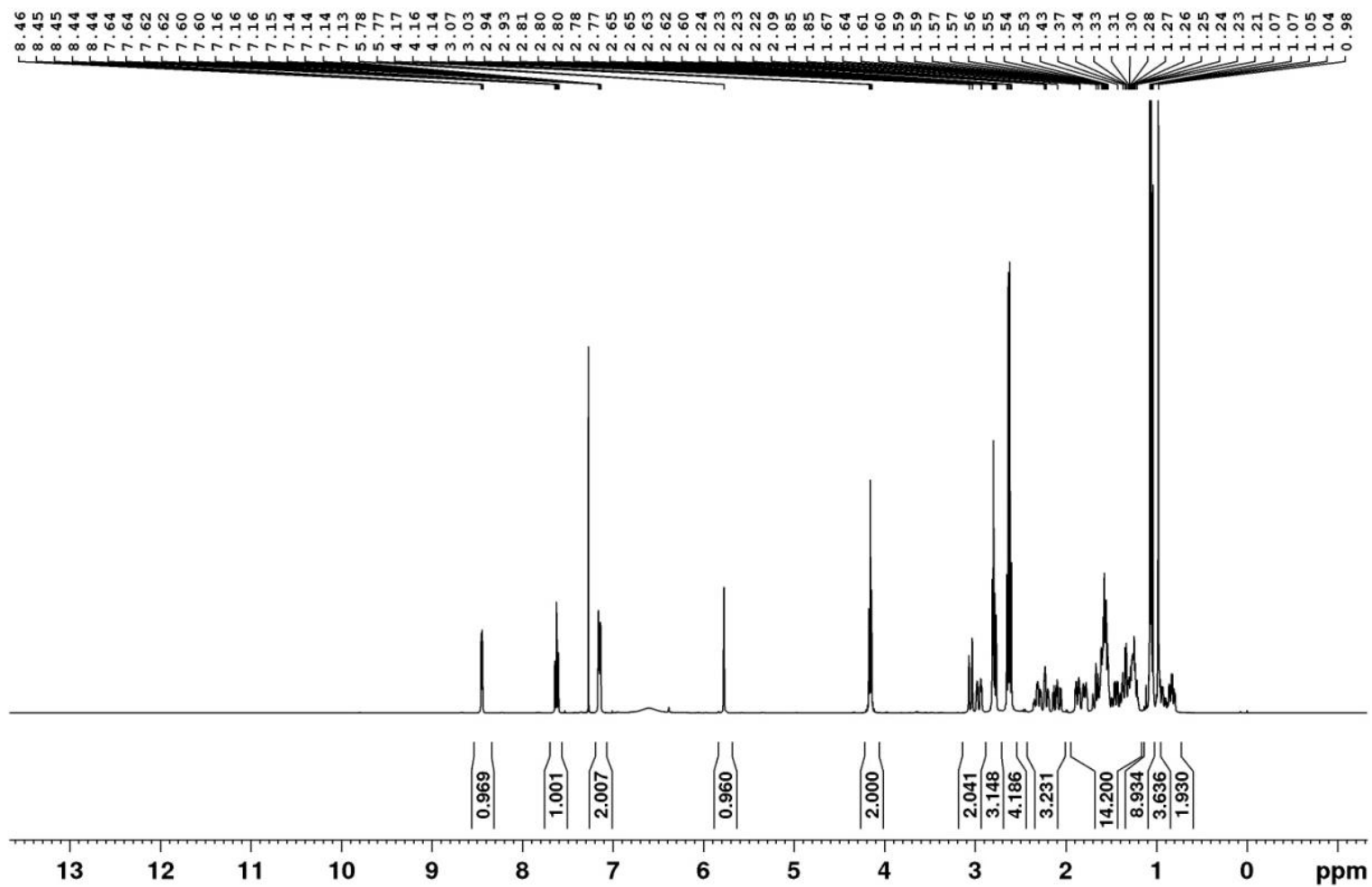
^1H NMR spectrum (400 MHz, CDCl_3) of compound 8

¹³C NMR (100 MHz, CDCl₃) Compound 8



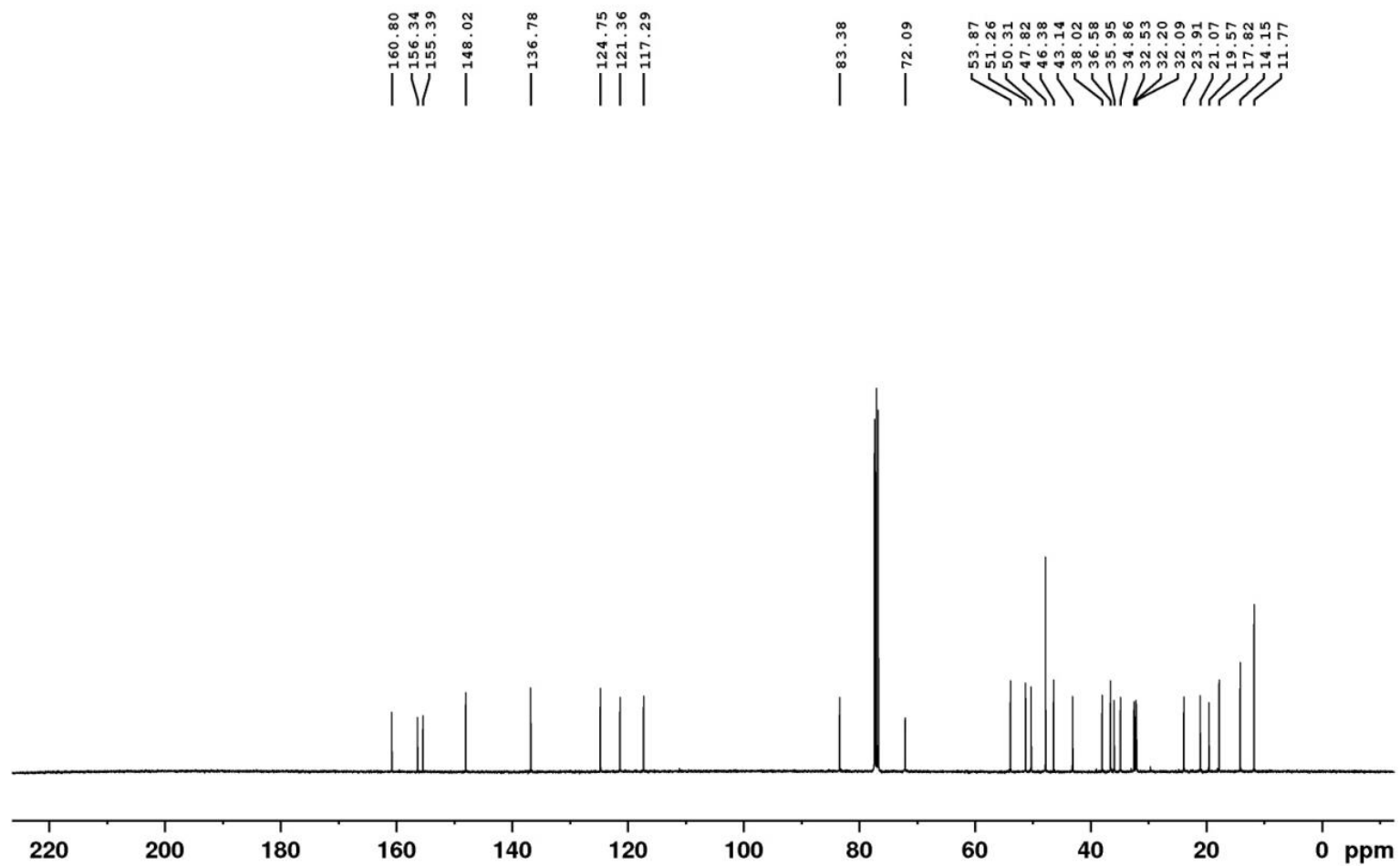
¹³C NMR spectrum (100 MHz, CDCl₃) of compound 8

^1H NMR (400 MHz, CDCl_3) Compound 9



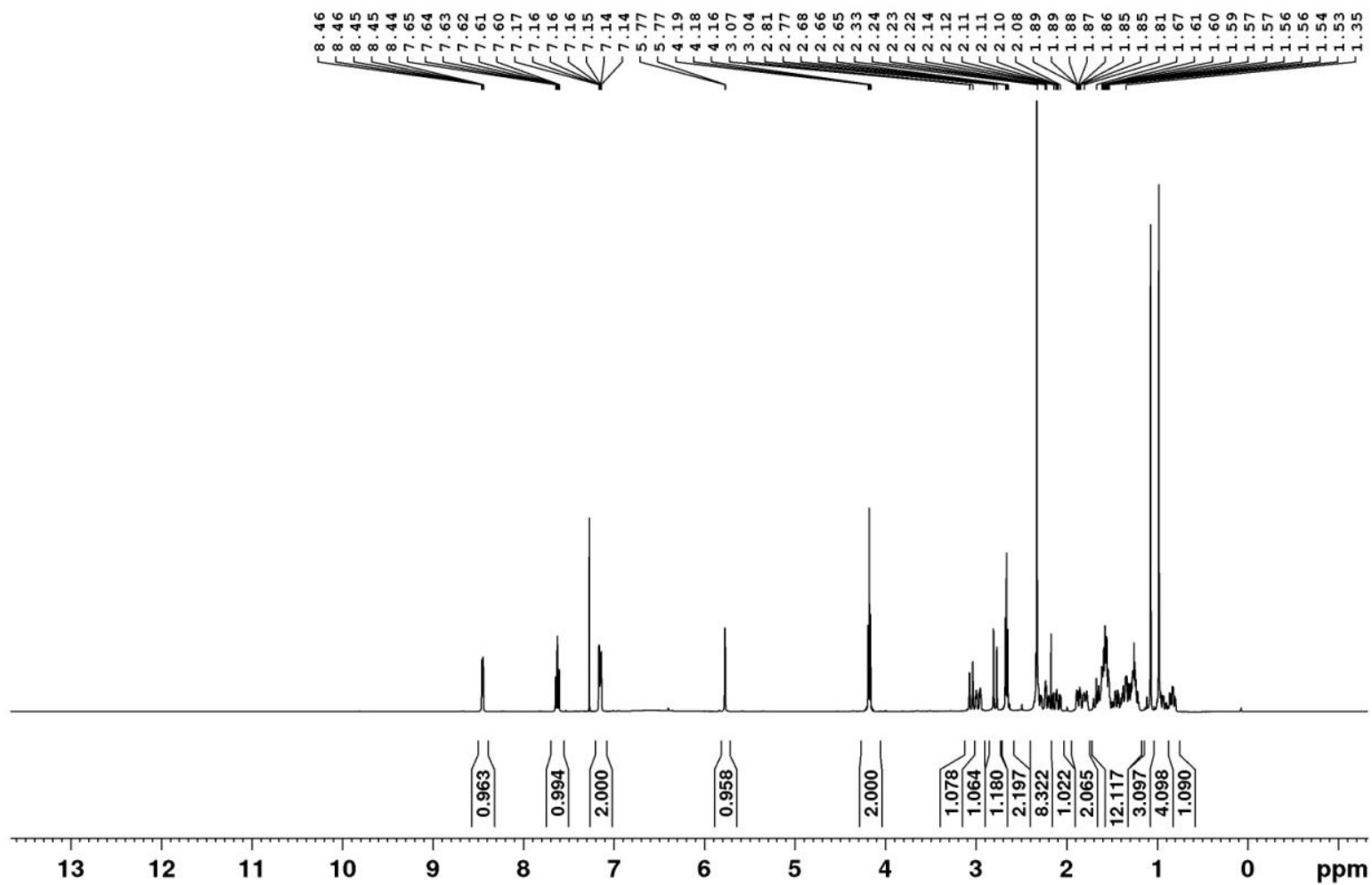
^1H NMR spectrum (400 MHz, CDCl_3) of compound 9

^{13}C NMR (100 MHz, CDCl_3) Compound 9



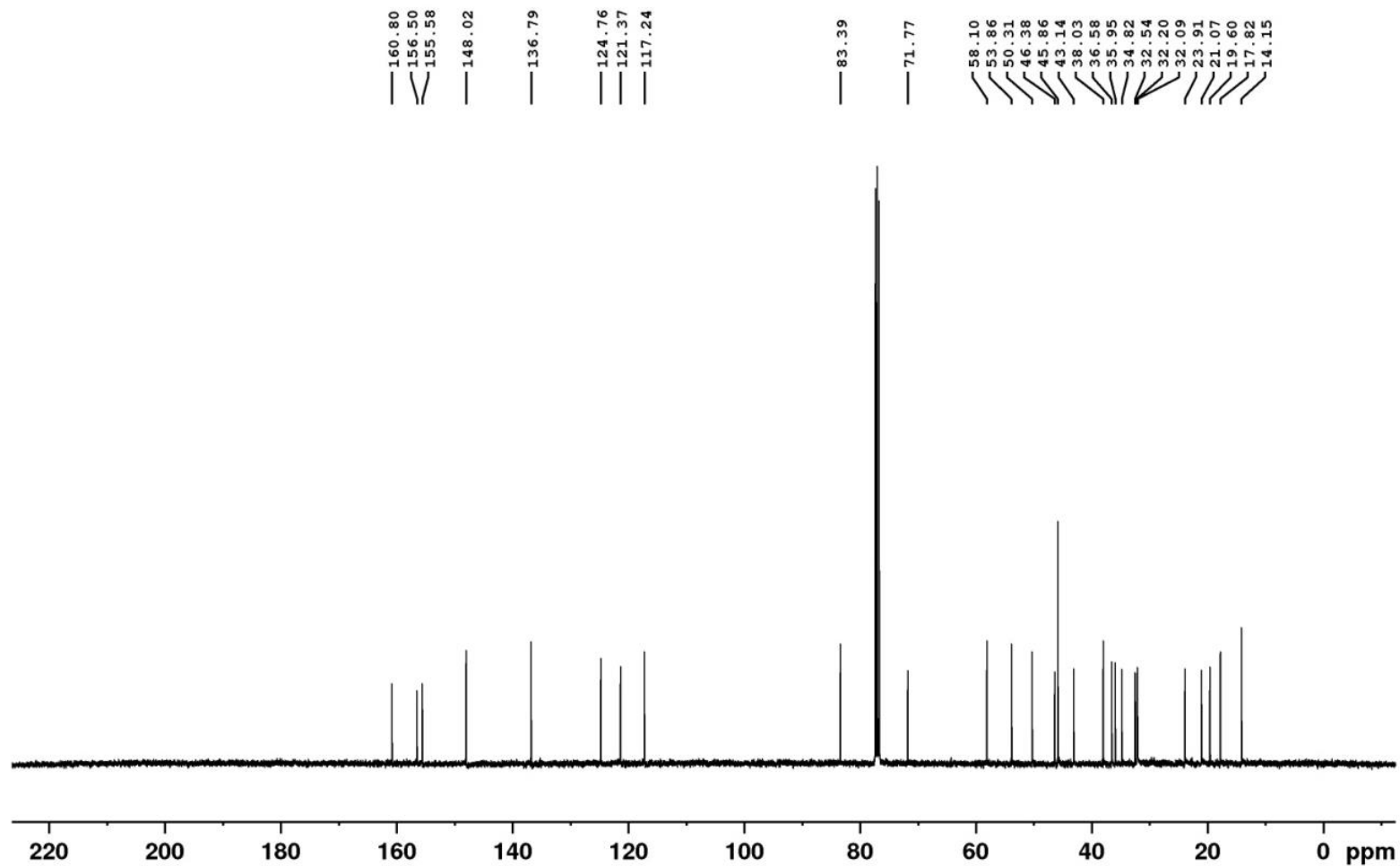
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 9

^1H NMR (400 MHz, CDCl_3) Compound 10



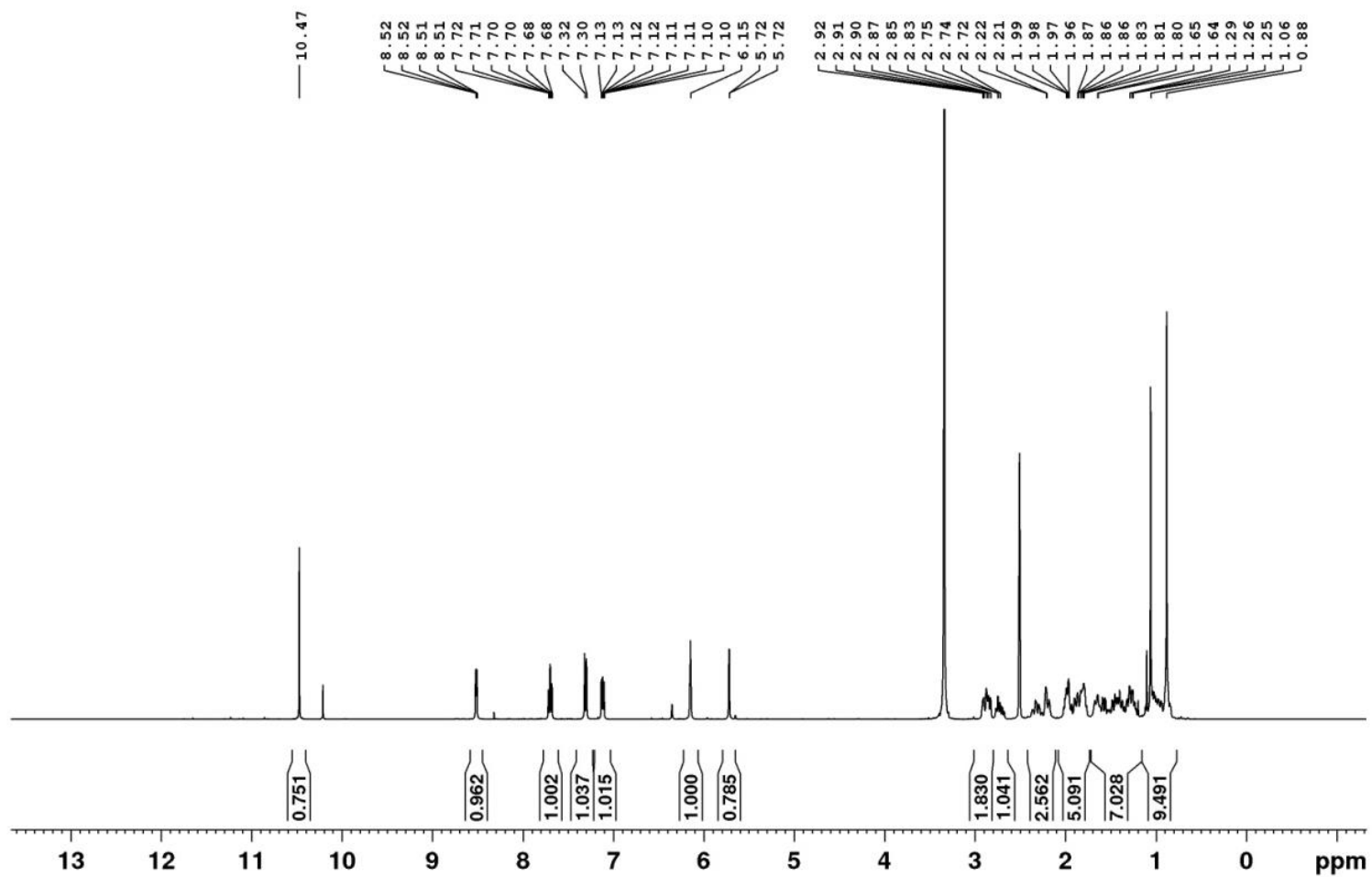
^1H NMR spectrum (400 MHz, CDCl_3) of compound 10

^{13}C NMR (100 MHz, CDCl_3) Compound 10



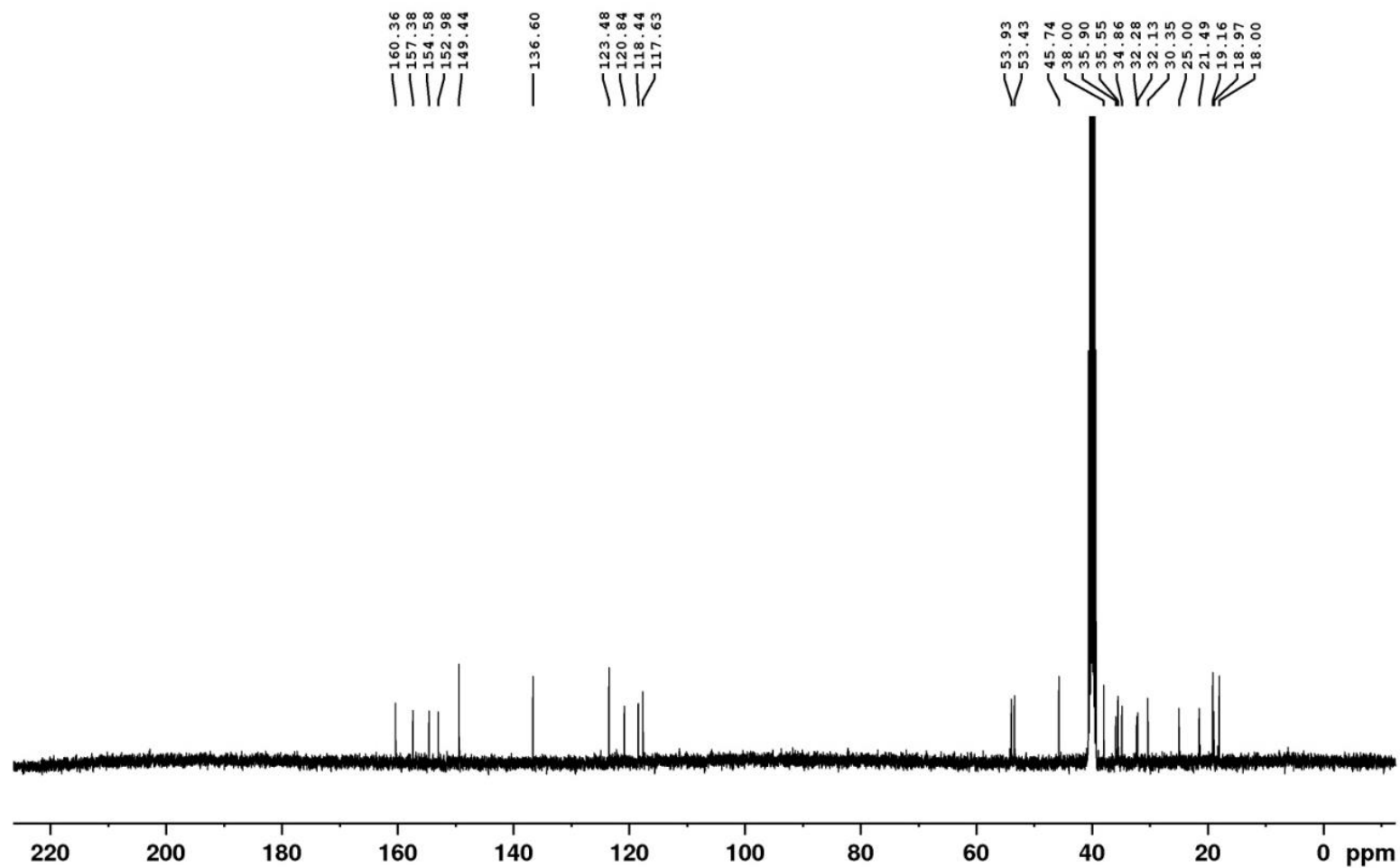
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 10

^1H NMR (400 MHz, DMSO) Compound 12



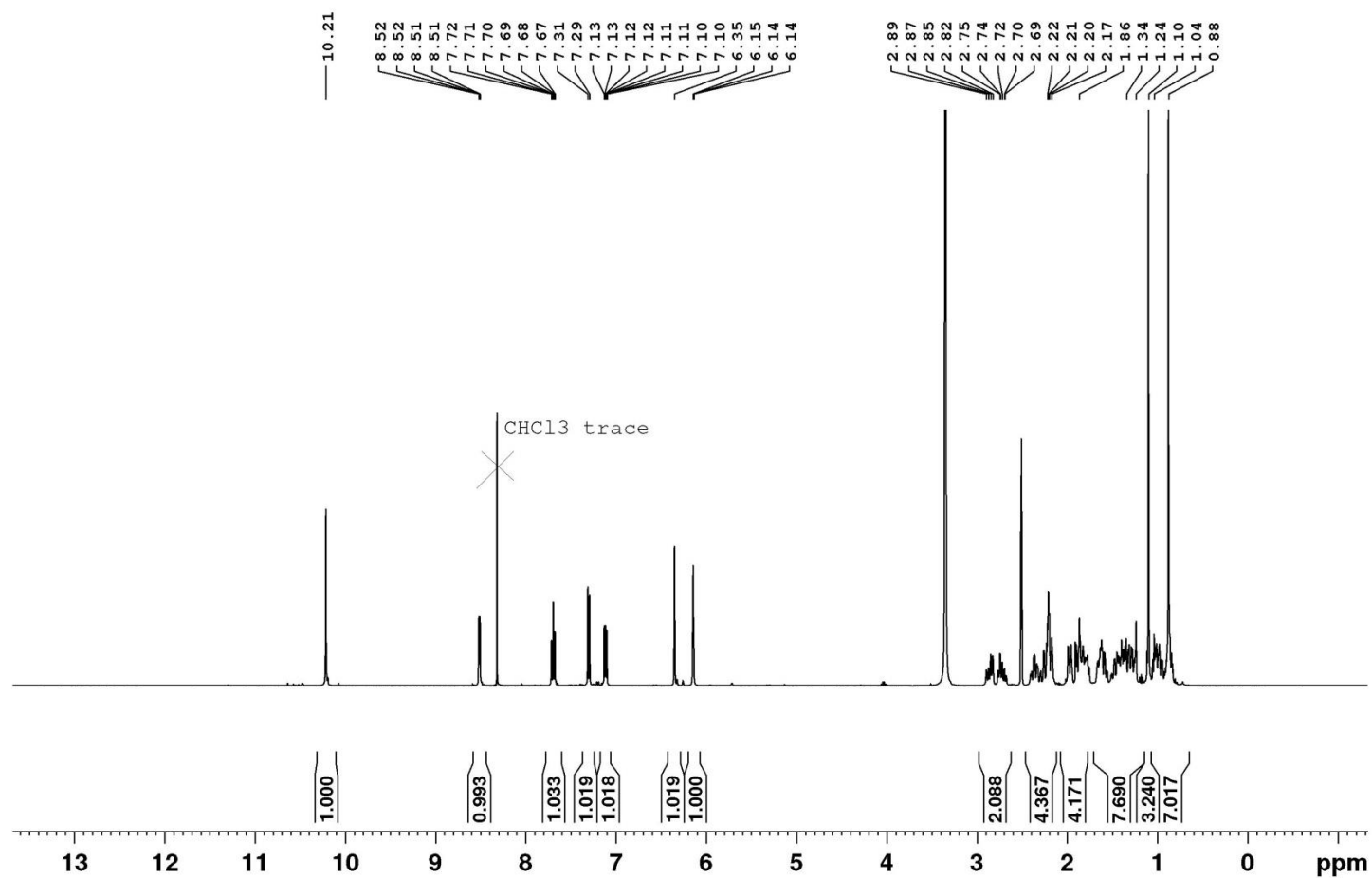
^1H NMR spectrum (400 MHz, DMSO) of compound 12

^{13}C NMR (100 MHz, DMSO) Compound 12



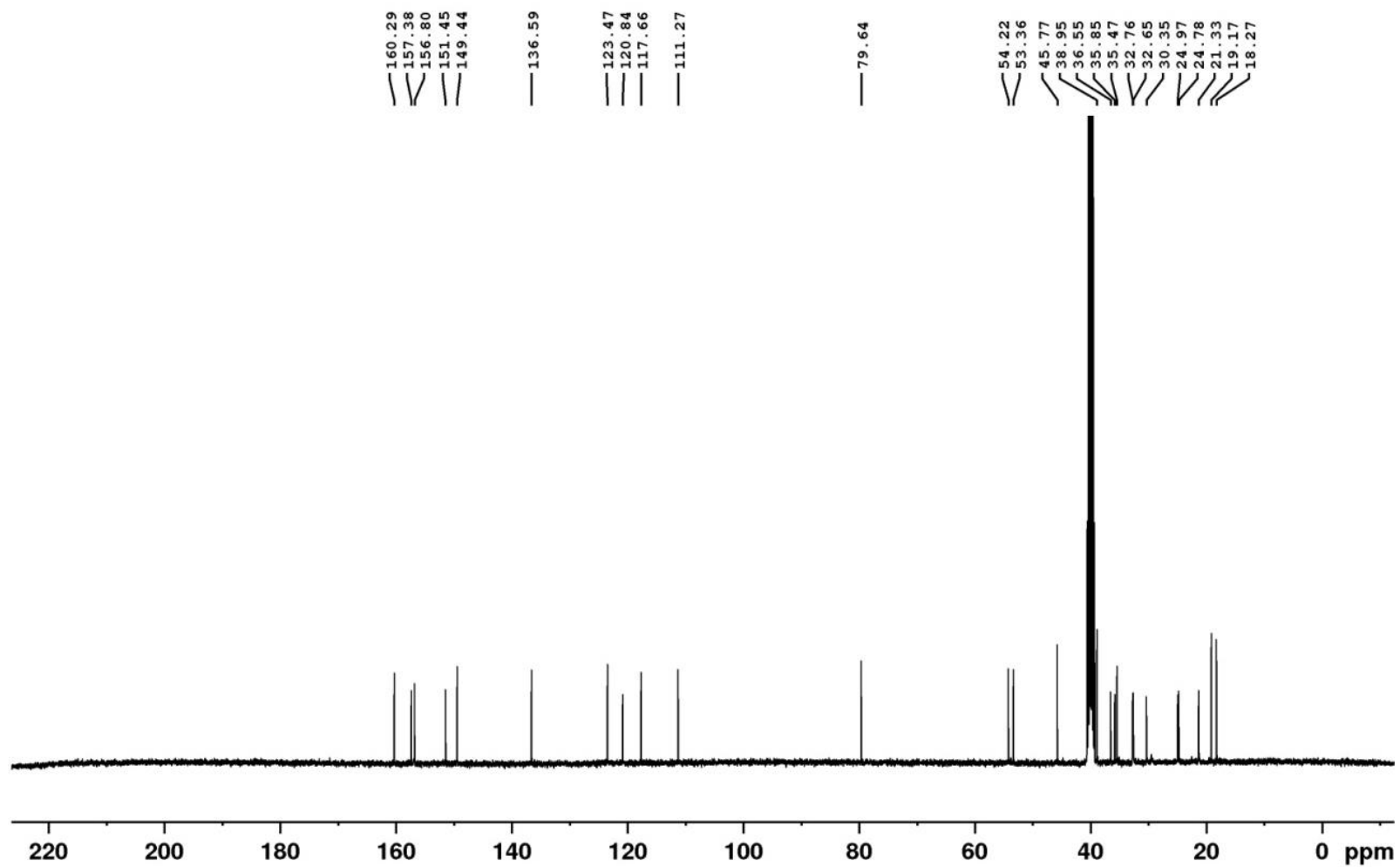
^{13}C NMR spectrum (100 MHz, DMSO) of compound 12

^1H NMR (400 MHz, DMSO) Compound 13



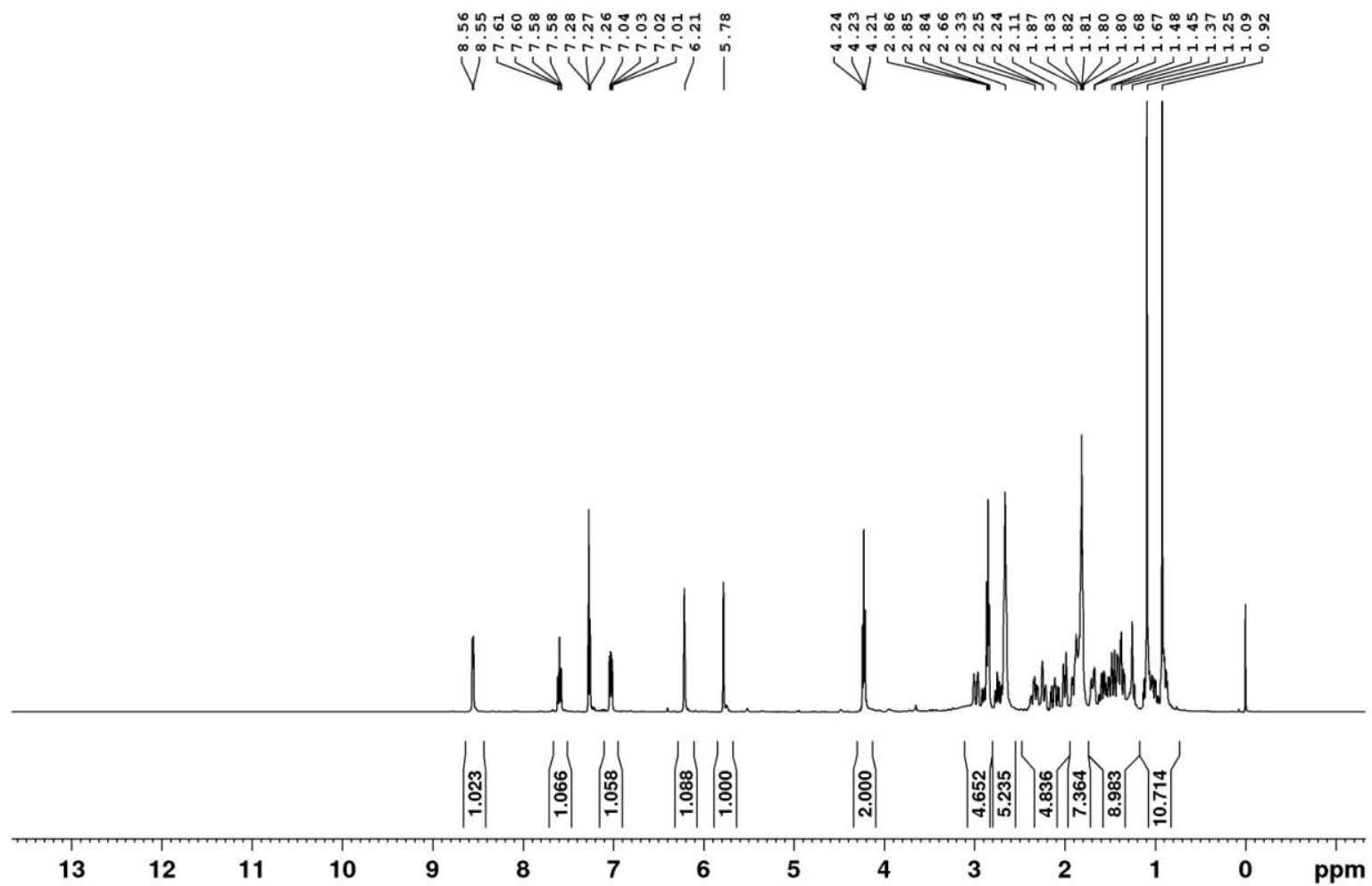
^1H NMR spectrum (400 MHz, DMSO) of compound 13

^{13}C NMR (100 MHz, DMSO) Compound 13



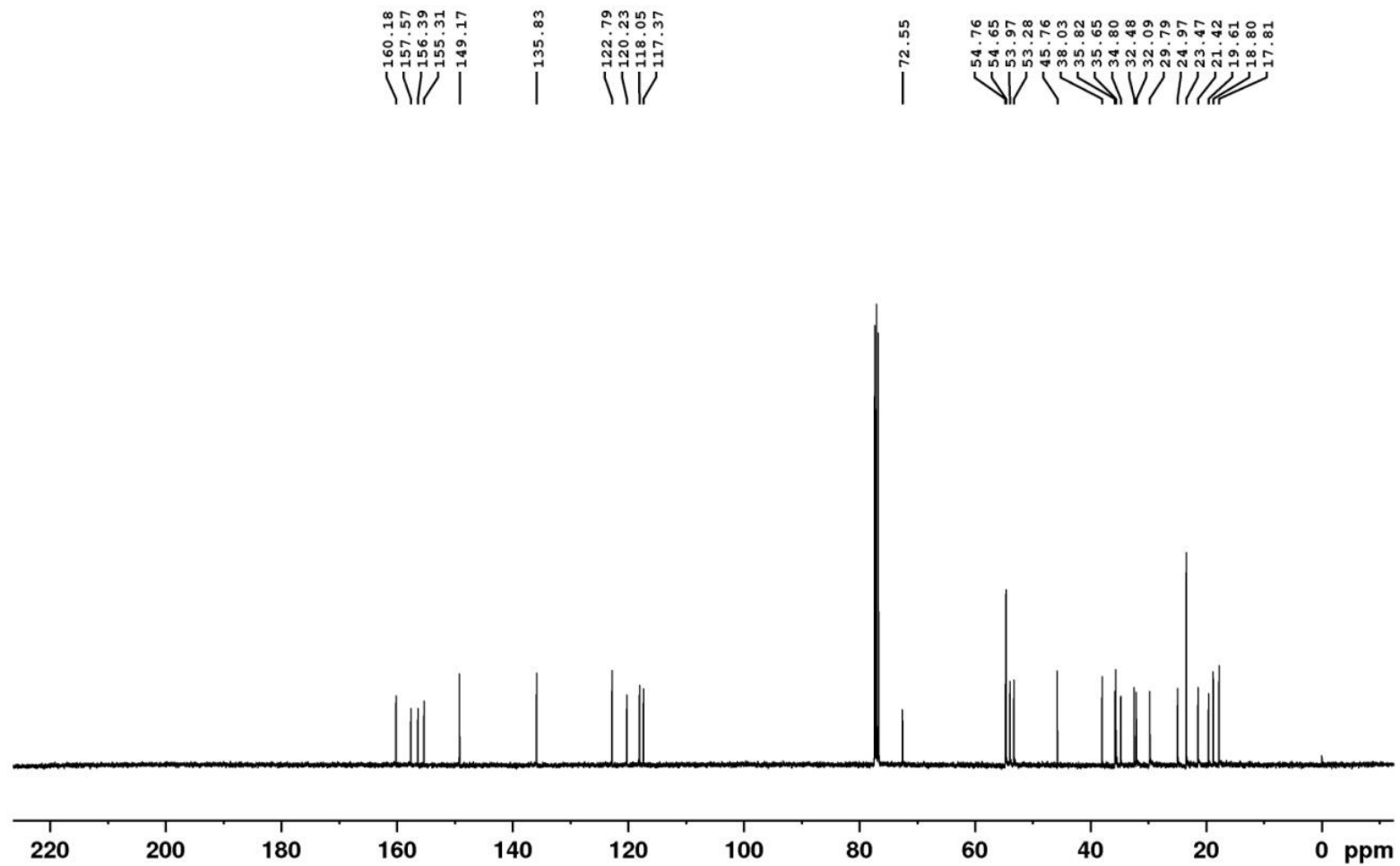
^{13}C NMR spectrum (100 MHz, DMSO) of compound 13

^1H NMR (400 MHz, CDCl_3) Compound 14



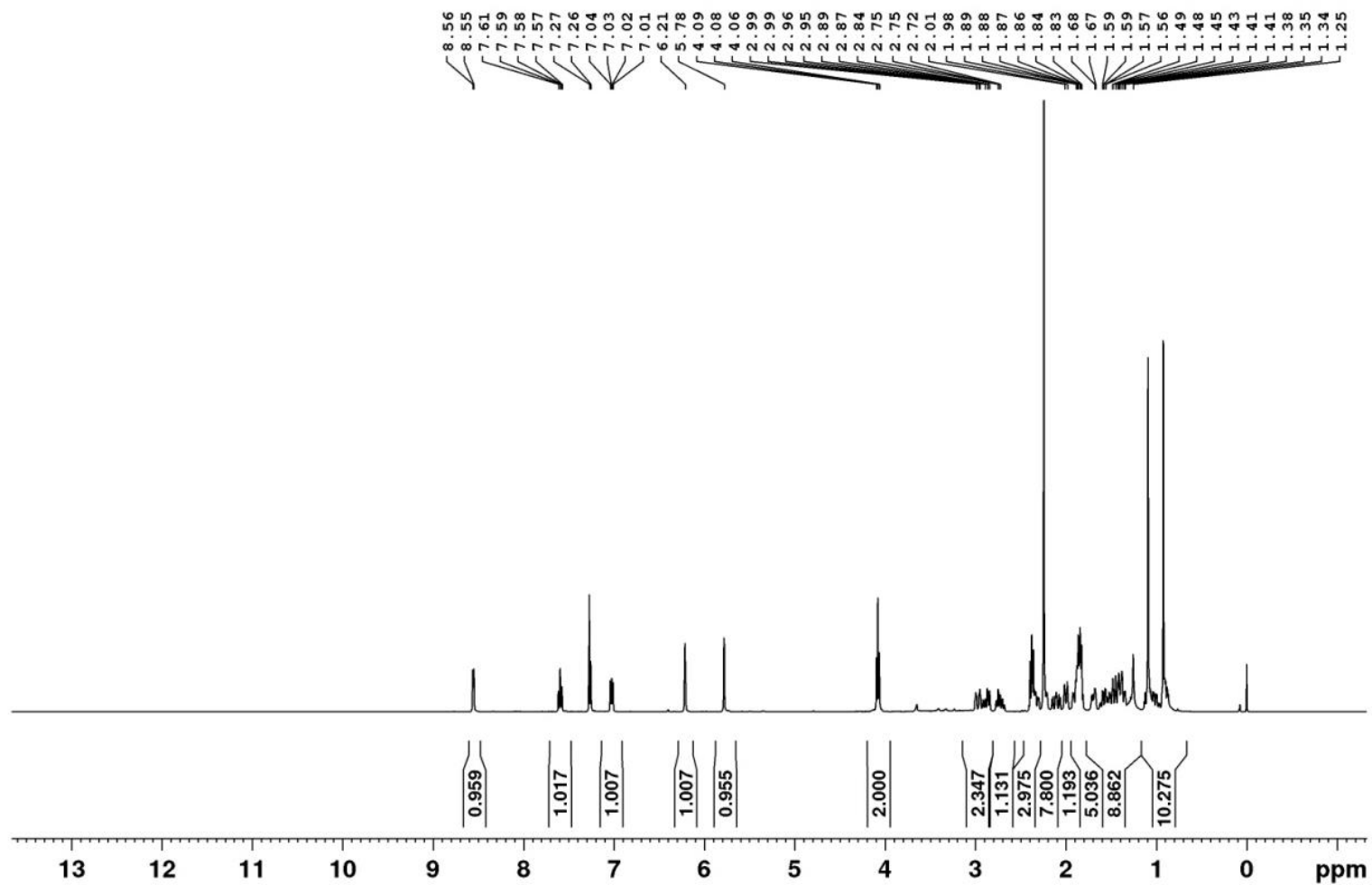
^1H NMR spectrum (400 MHz, CDCl_3) of compound 14

^{13}C NMR (100 MHz, CDCl_3) Compound 14



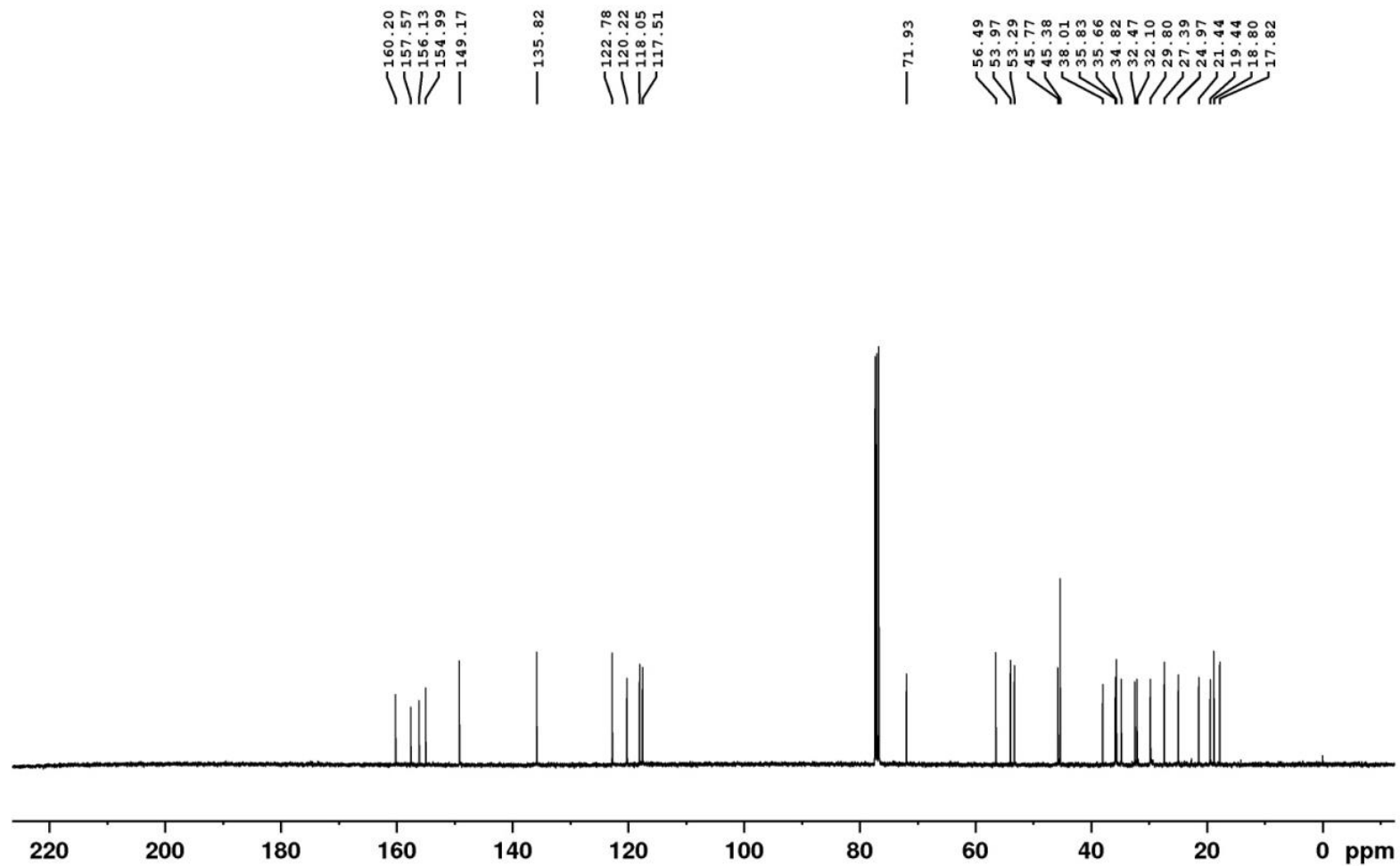
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 14

^1H NMR (400 MHz, CDCl_3) Compound 15



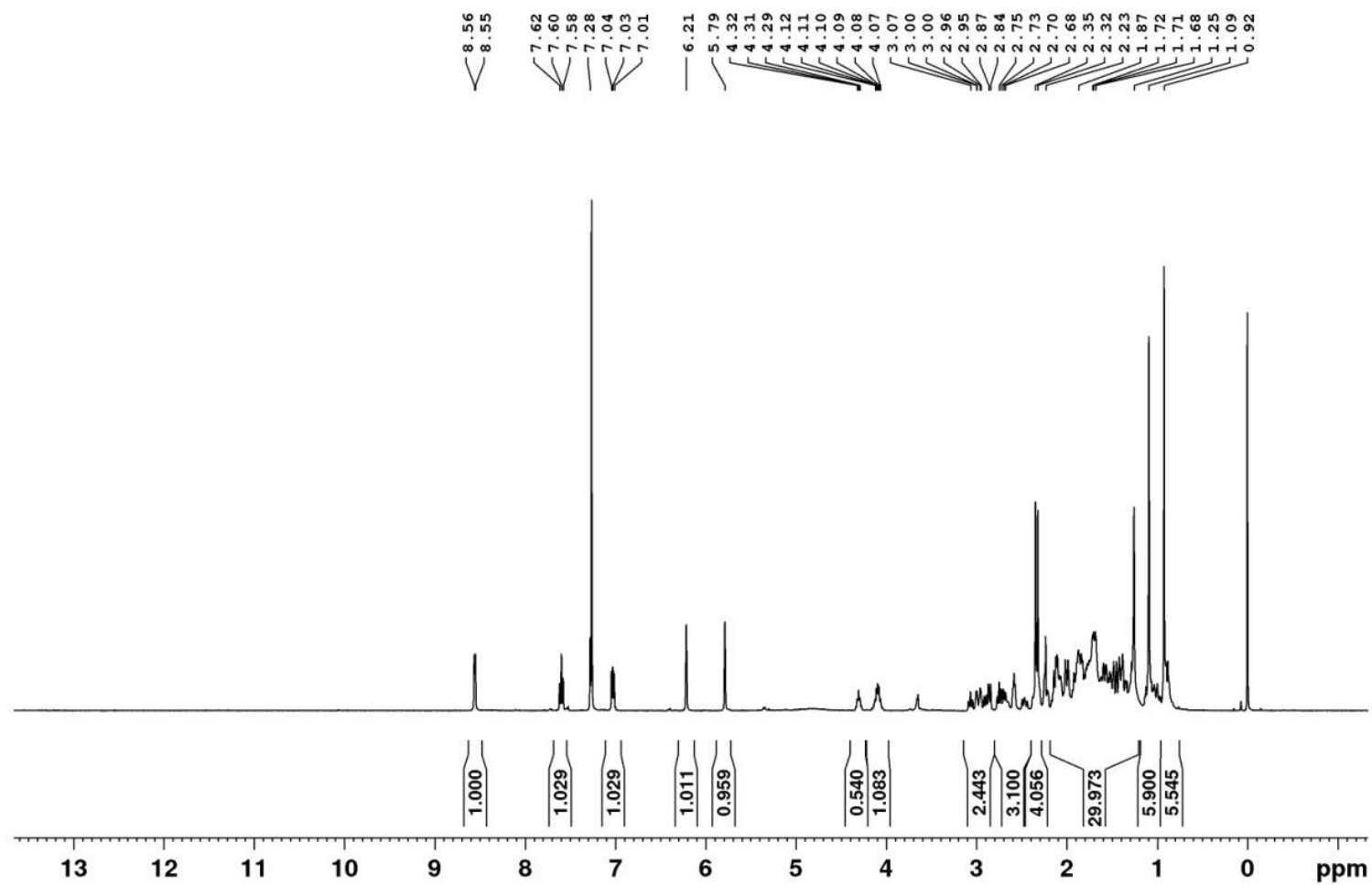
^1H NMR spectrum (400 MHz, CDCl_3) of compound 15

^{13}C NMR (100 MHz, CDCl_3) Compound 15



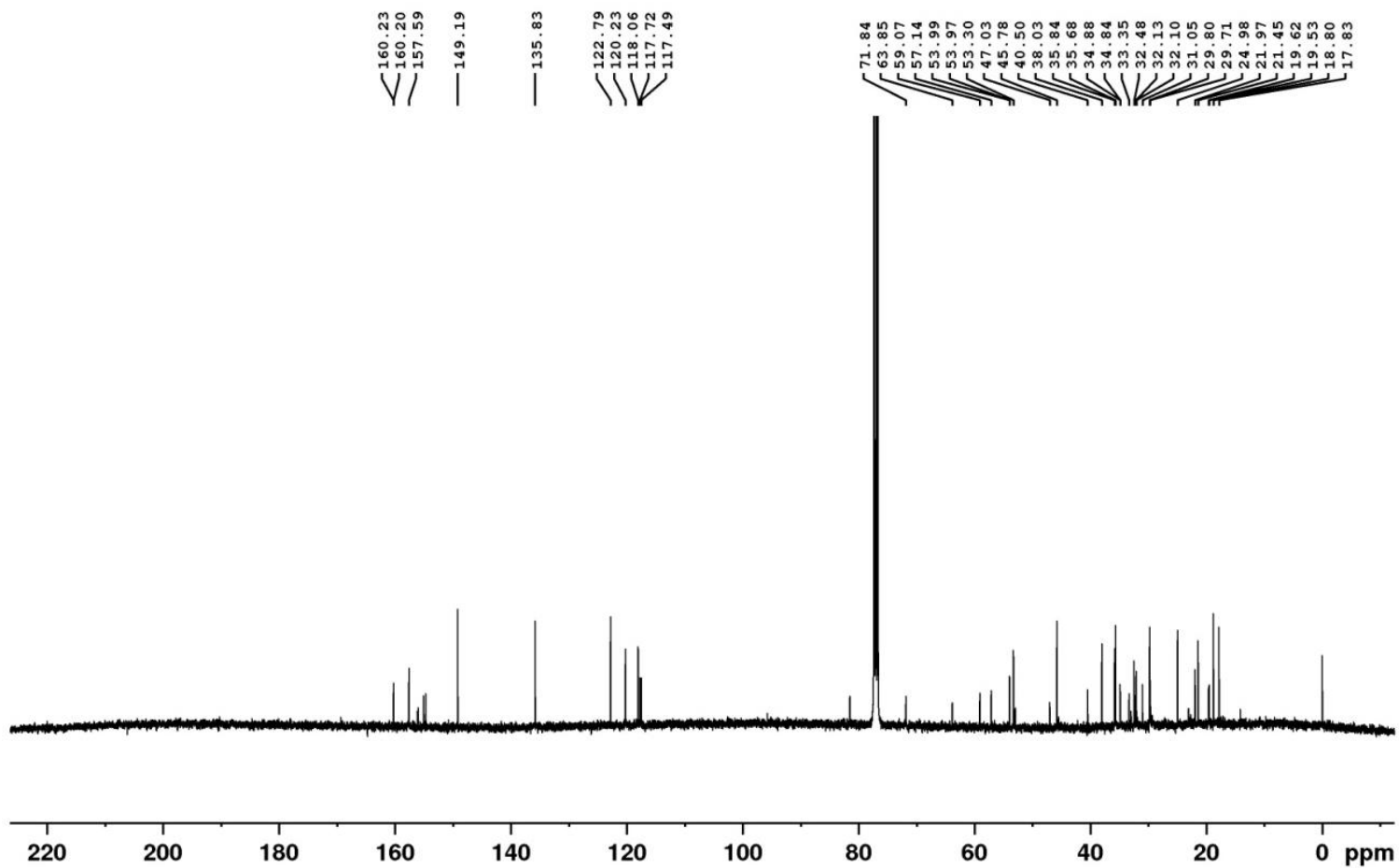
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 15

^1H NMR (400 MHz, CDCl_3) Compound 16



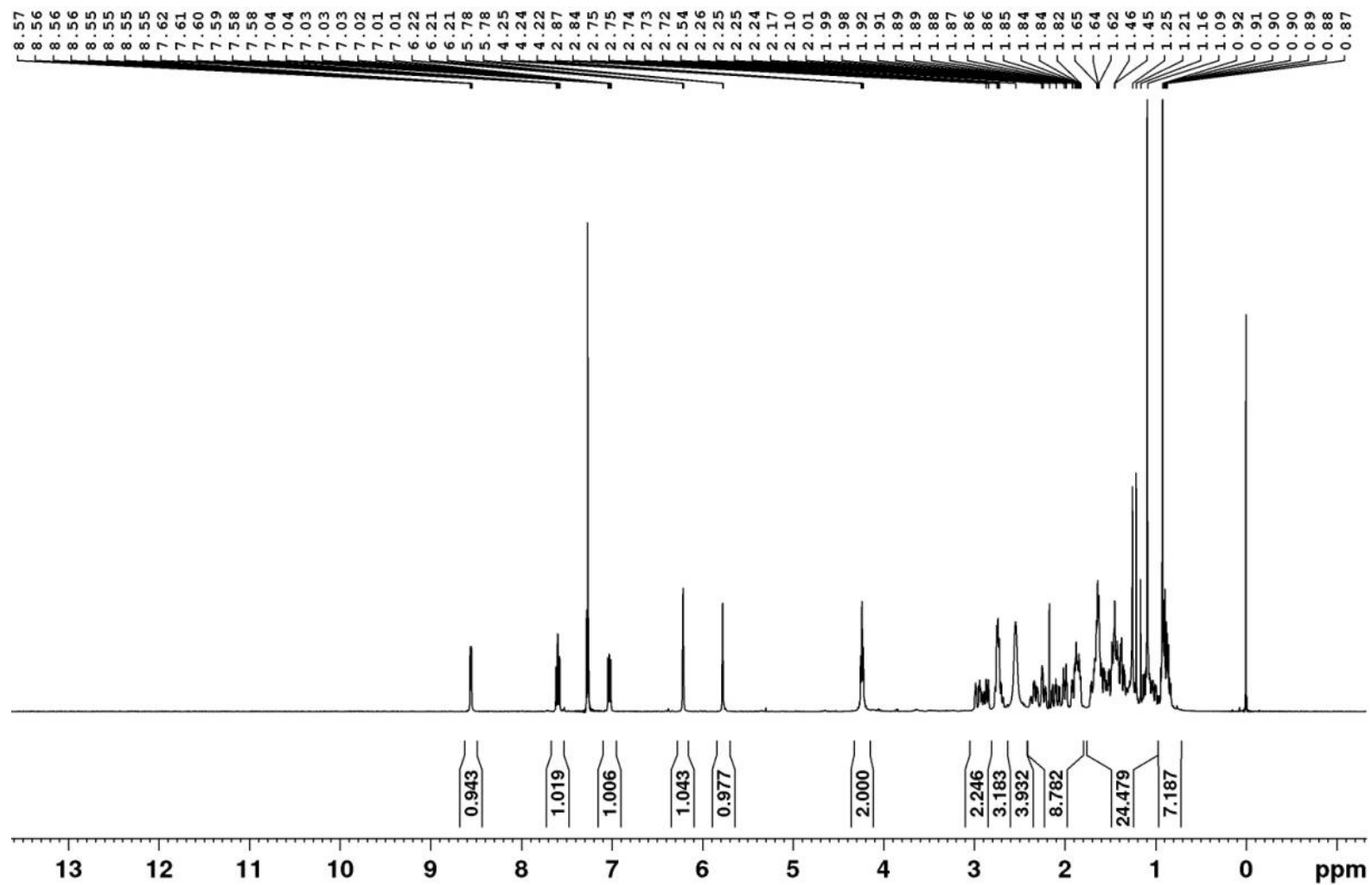
^1H NMR spectrum (400 MHz, CDCl_3) of compound 16

^{13}C NMR (100 MHz, CDCl_3) Compound 16



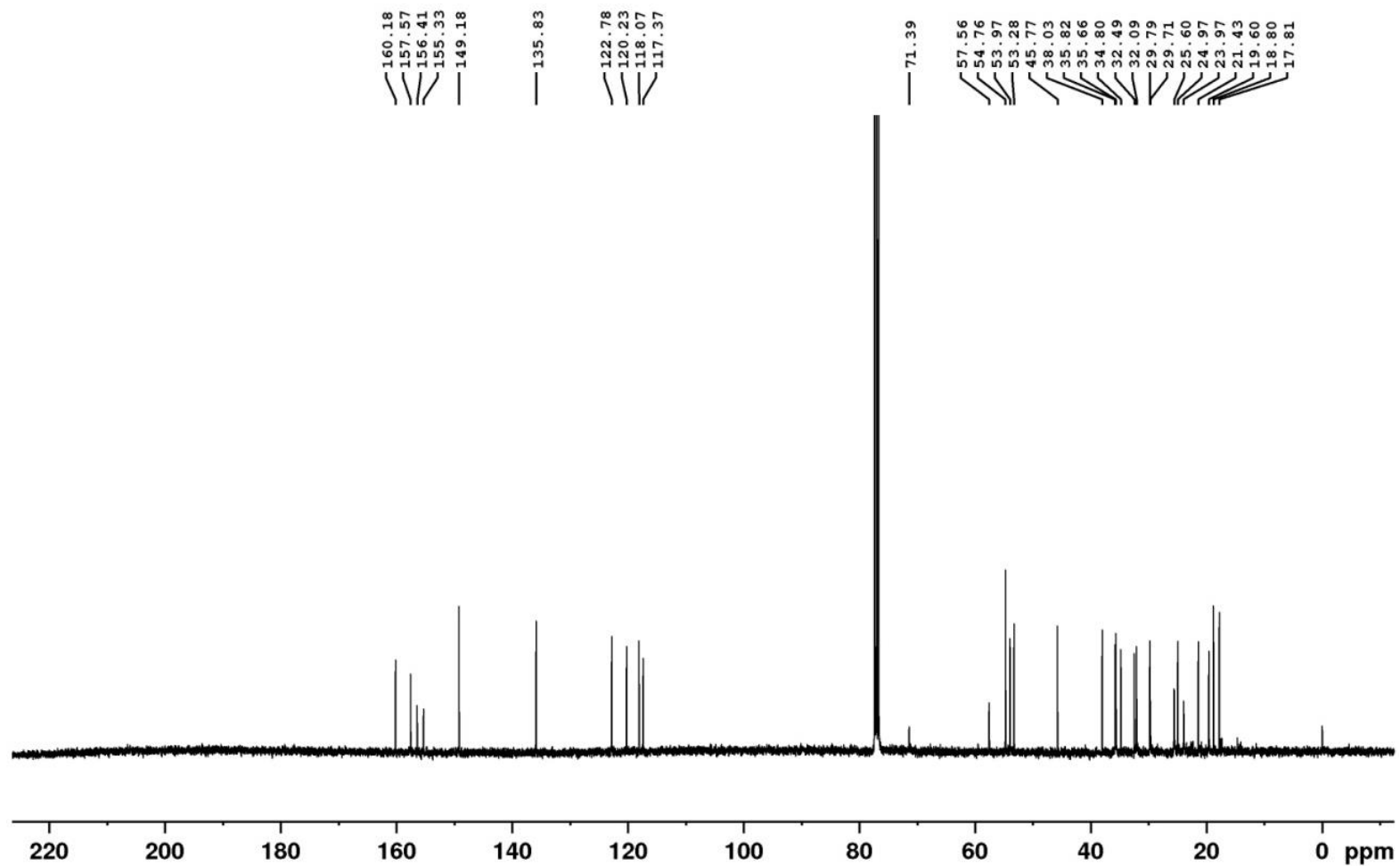
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 16

^1H NMR (400 MHz, CDCl_3) Compound 17



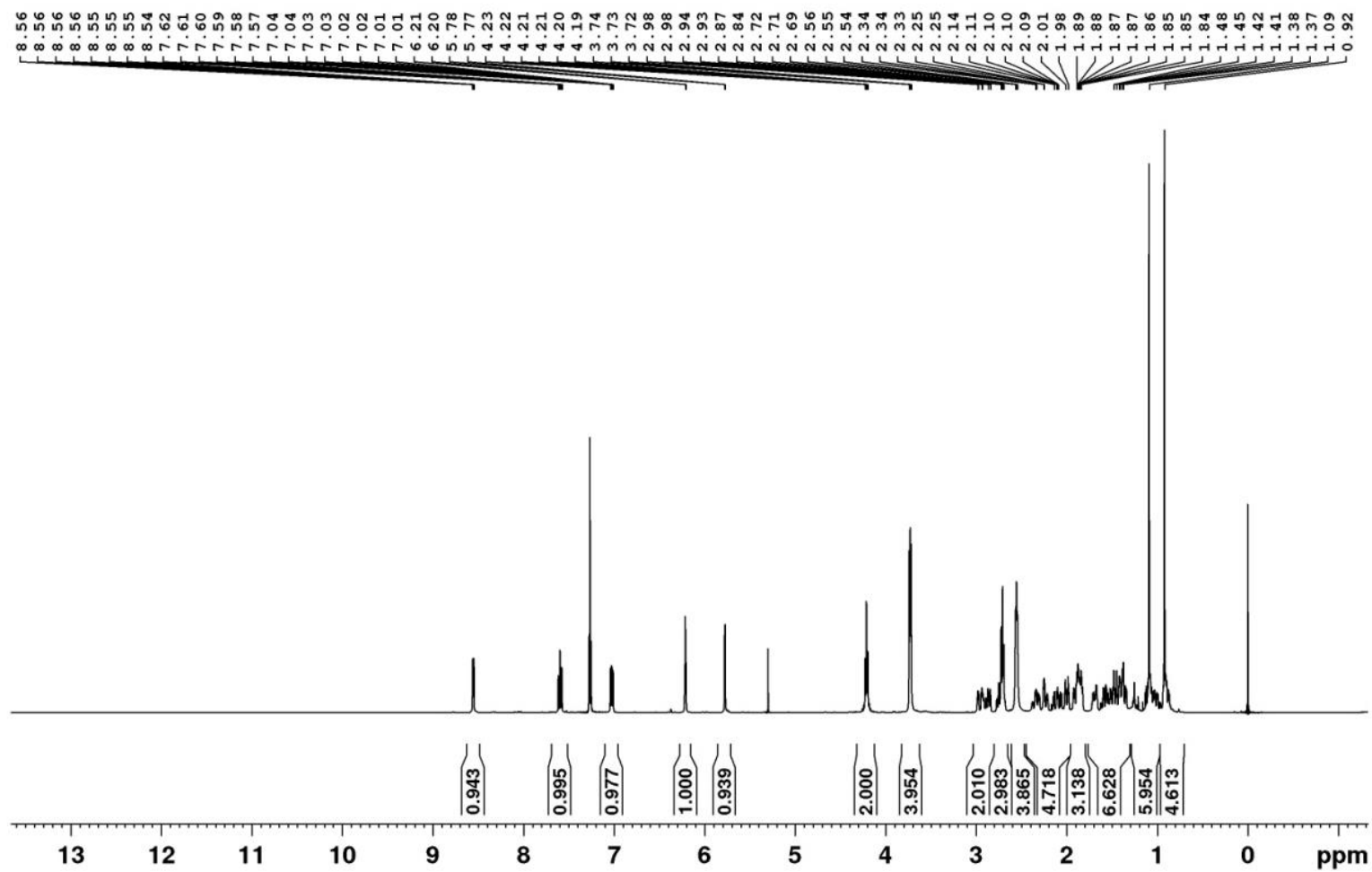
^1H NMR spectrum (400 MHz, CDCl_3) of compound 17

¹³C NMR (100 MHz, CDCl₃) Compound 17



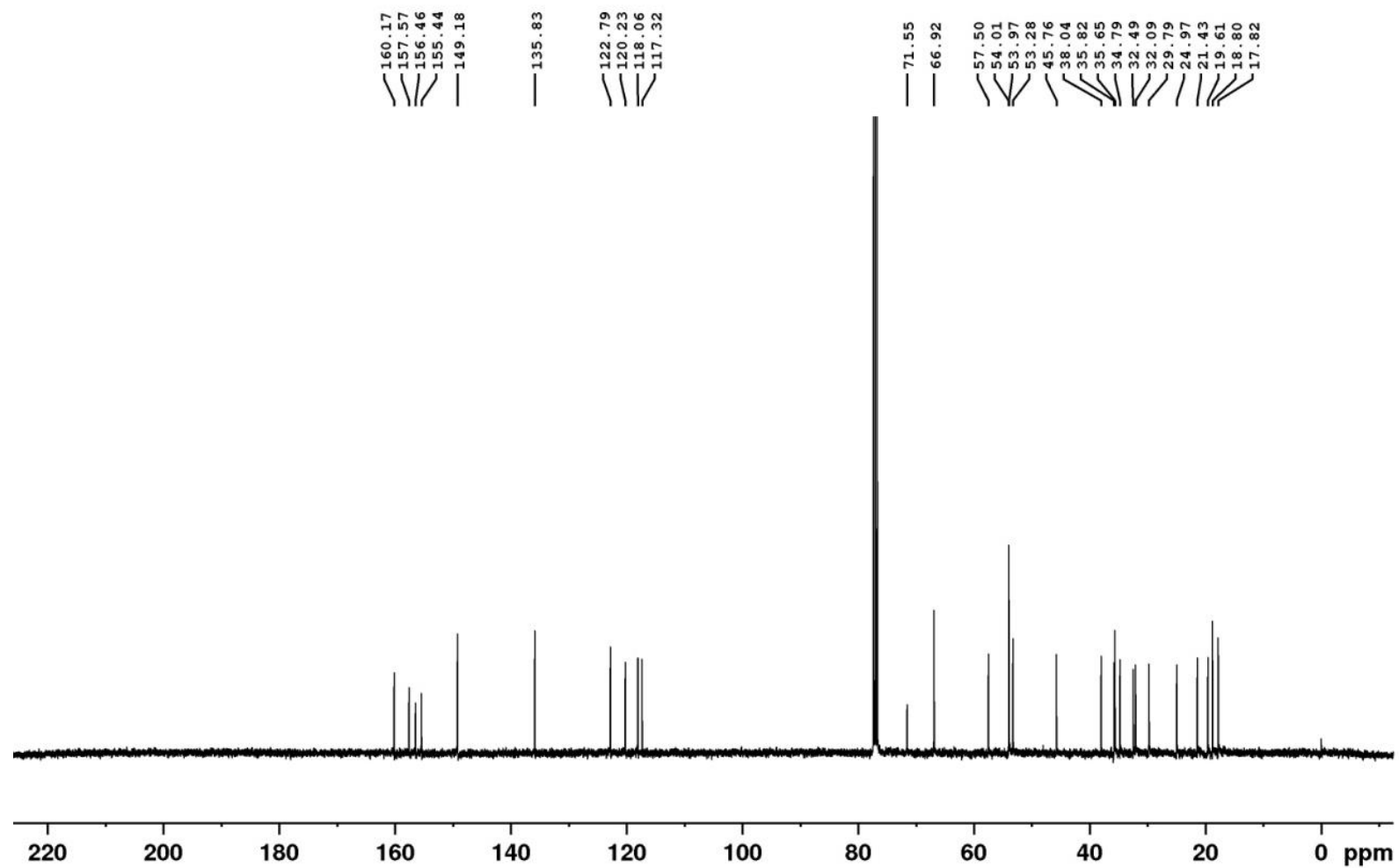
¹³C NMR spectrum (100 MHz, CDCl₃) of compound 17

^1H NMR (400 MHz, CDCl_3) Compound 18



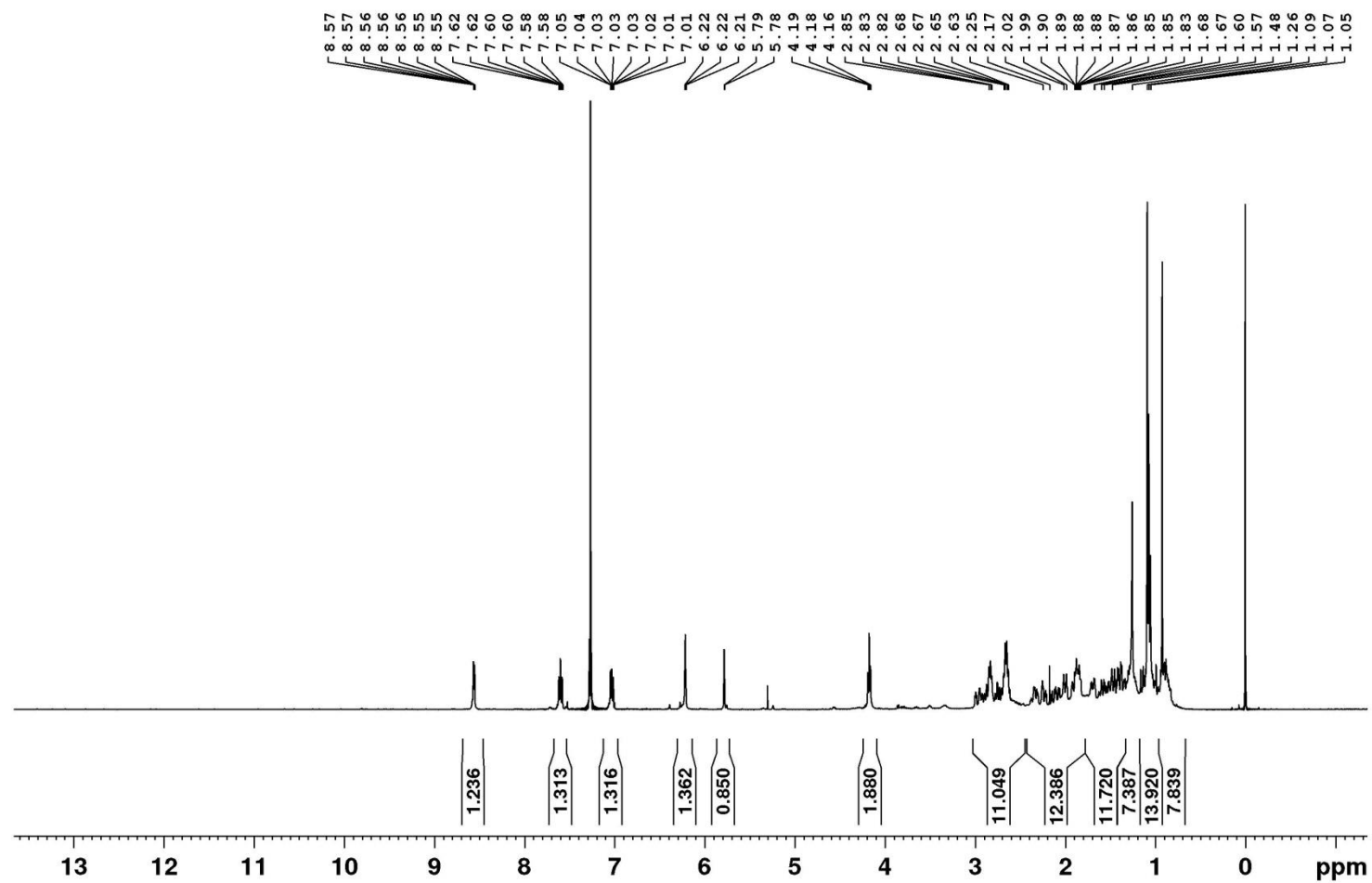
^1H NMR spectrum (400 MHz, CDCl_3) of compound 18

^{13}C NMR (100 MHz, CDCl_3) Compound 18



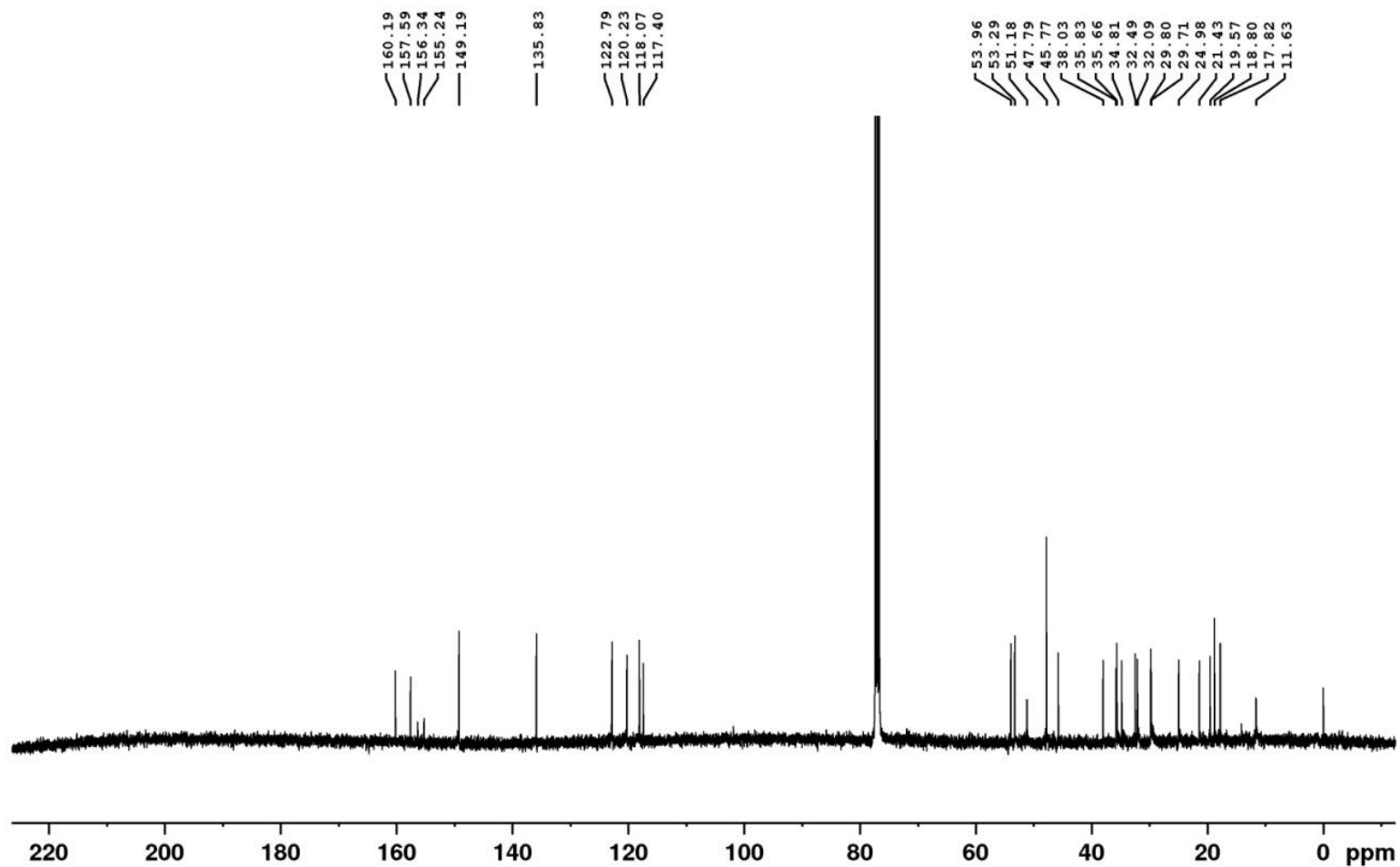
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 18

^1H NMR (400 MHz, CDCl_3) Compound 19



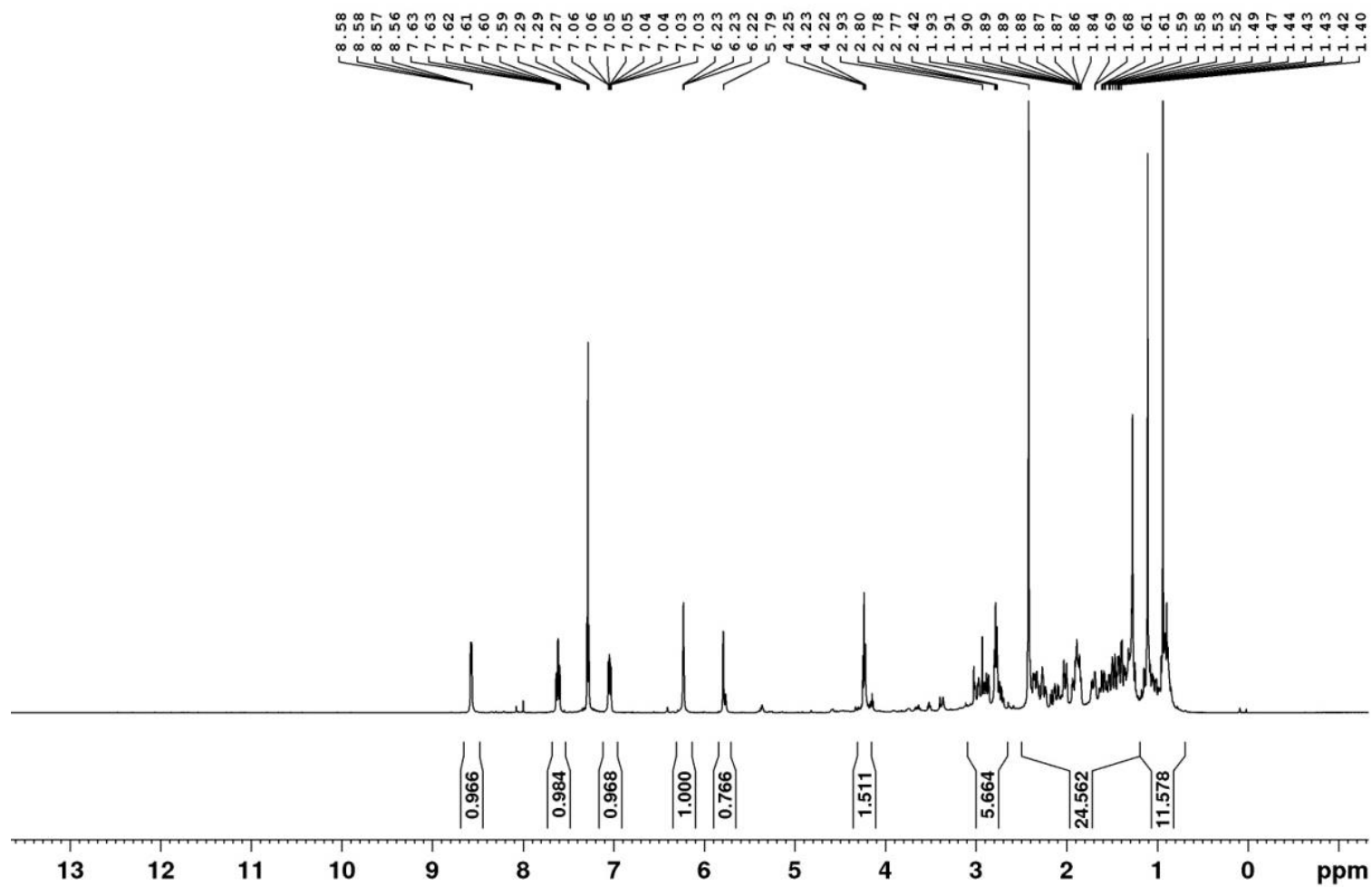
^1H NMR spectrum (400 MHz, CDCl_3) of compound 19

^{13}C NMR (100 MHz, CDCl_3) Compound 19



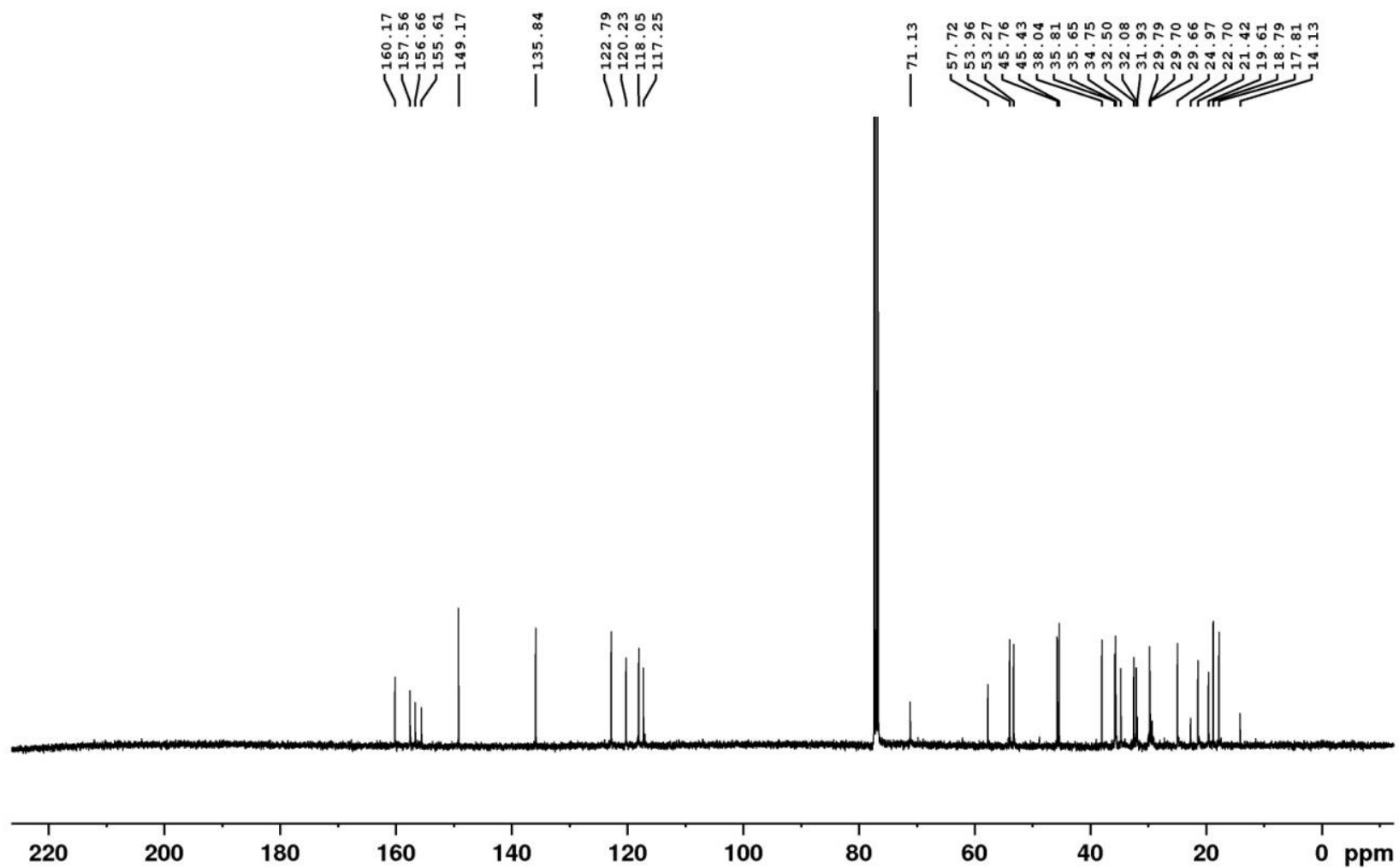
^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 19

^1H NMR (400 MHz, CDCl_3) Compound 20



^1H NMR spectrum (400 MHz, CDCl_3) of compound 20

^{13}C NMR (100 MHz, CDCl_3) Compound 20



^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 20