

Electronic Supplementary Material (ESI) for *RSC Advances*
This journal is (c) The Royal Society of Chemistry 2014

Supplementary Information for

**An easy access to unsymmetrical ureas: a photocatalytic approach
to the Lossen rearrangement**

Arvind K. Yadav, Vishnu P. Srivastava and Lal Dhar S. Yadav*

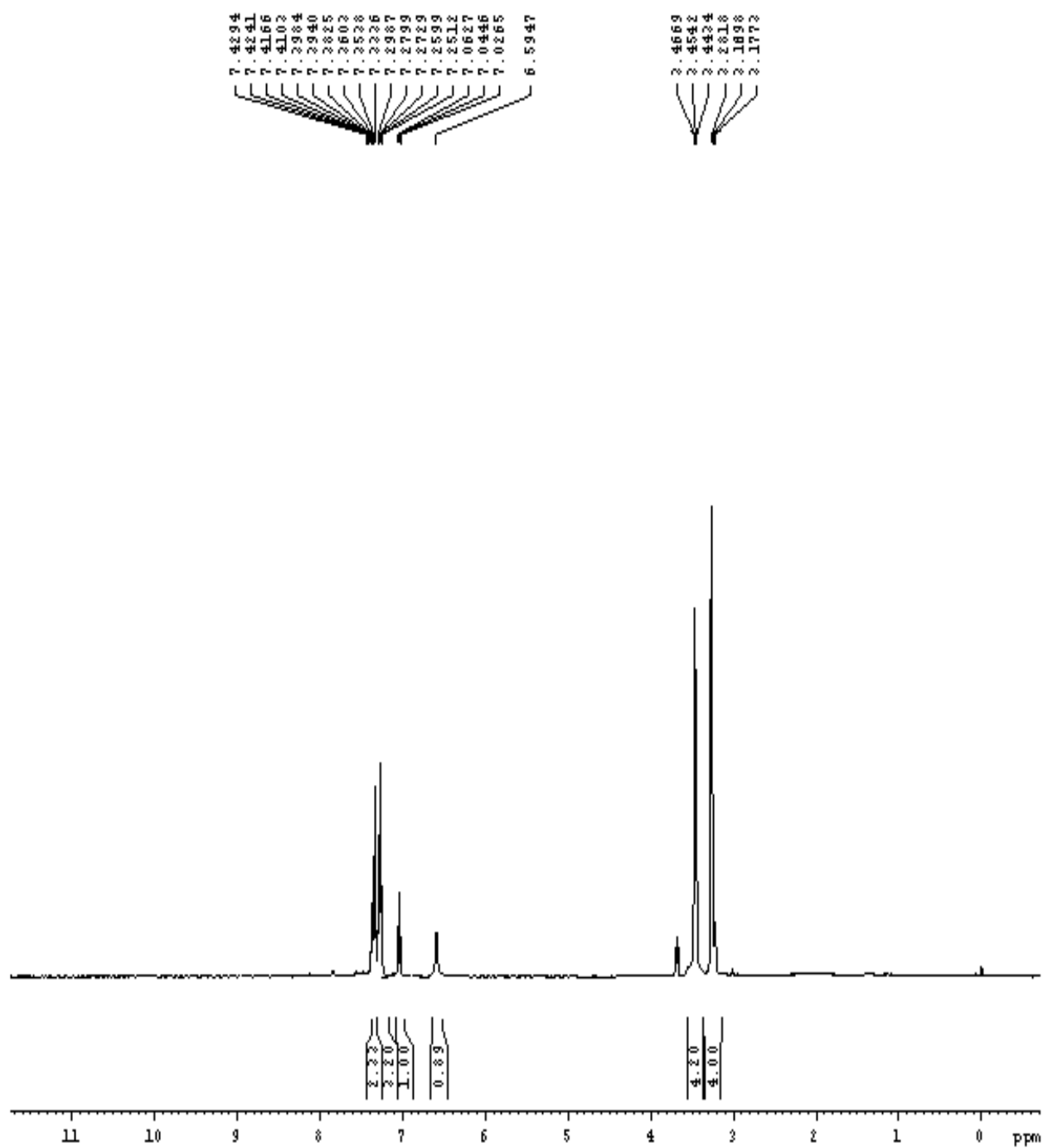
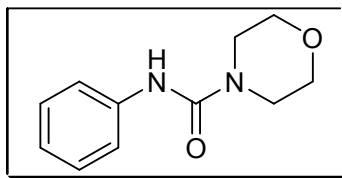
Green Synthesis Lab, Department of Chemistry, University of Allahabad,

Allahabad-211002, India

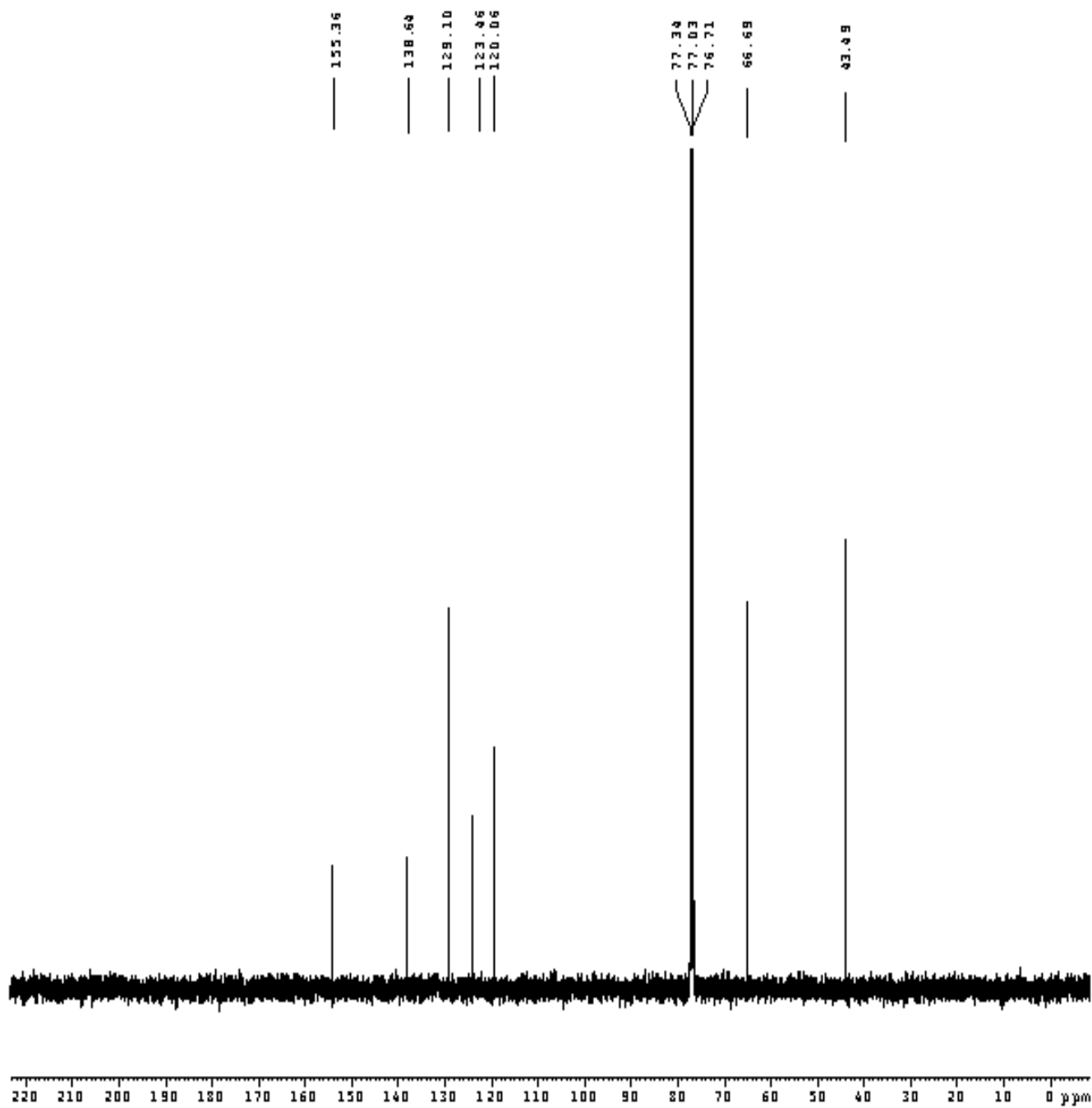
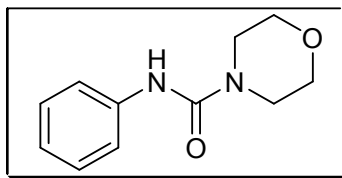
E-mail: ldsyadav@hotmail.com

Copies of ^1H and ^{13}C NMR spectra (page 2-31).

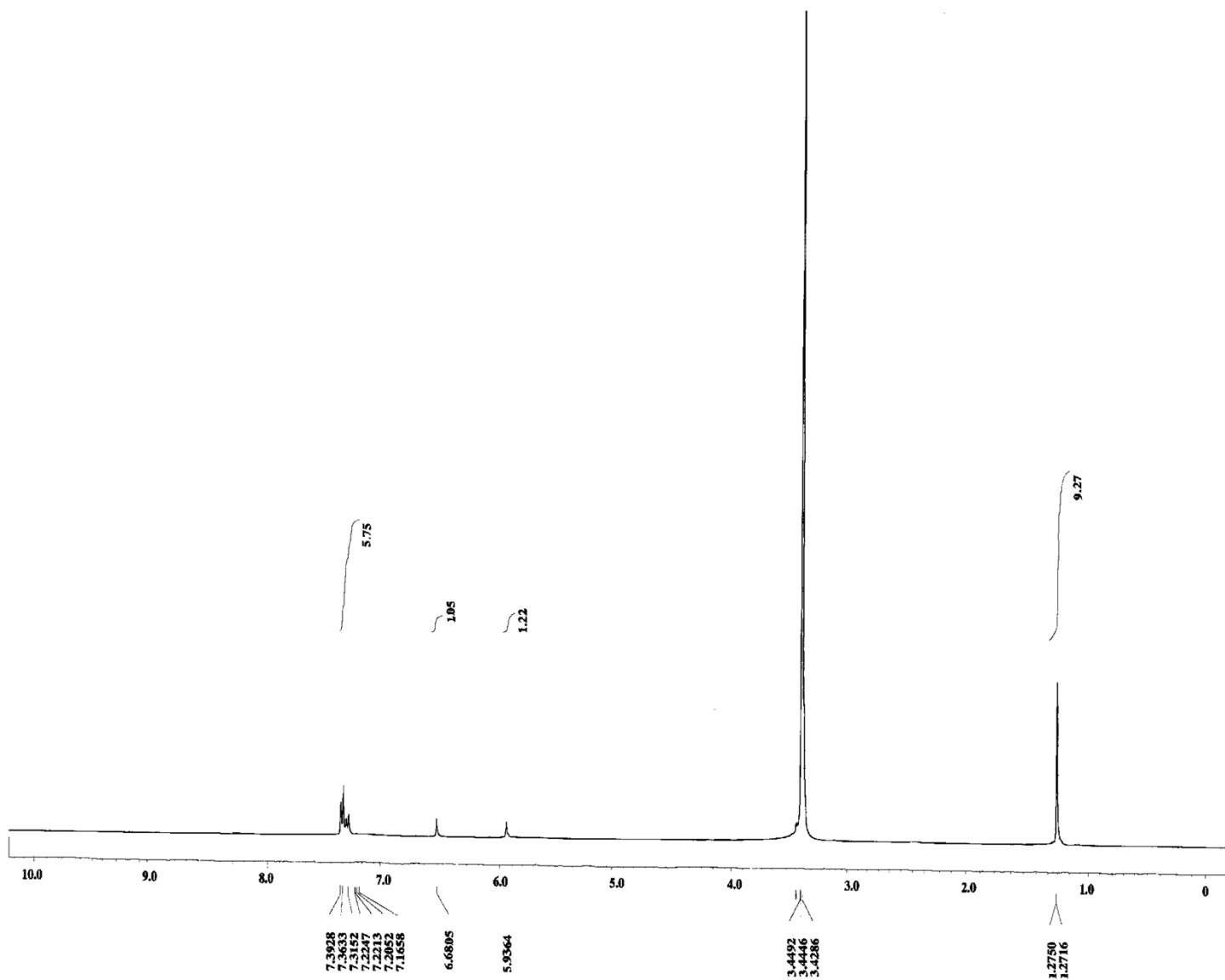
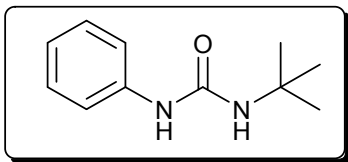
Compound 3a. ^1H NMR Spectrum (CDCl_3).



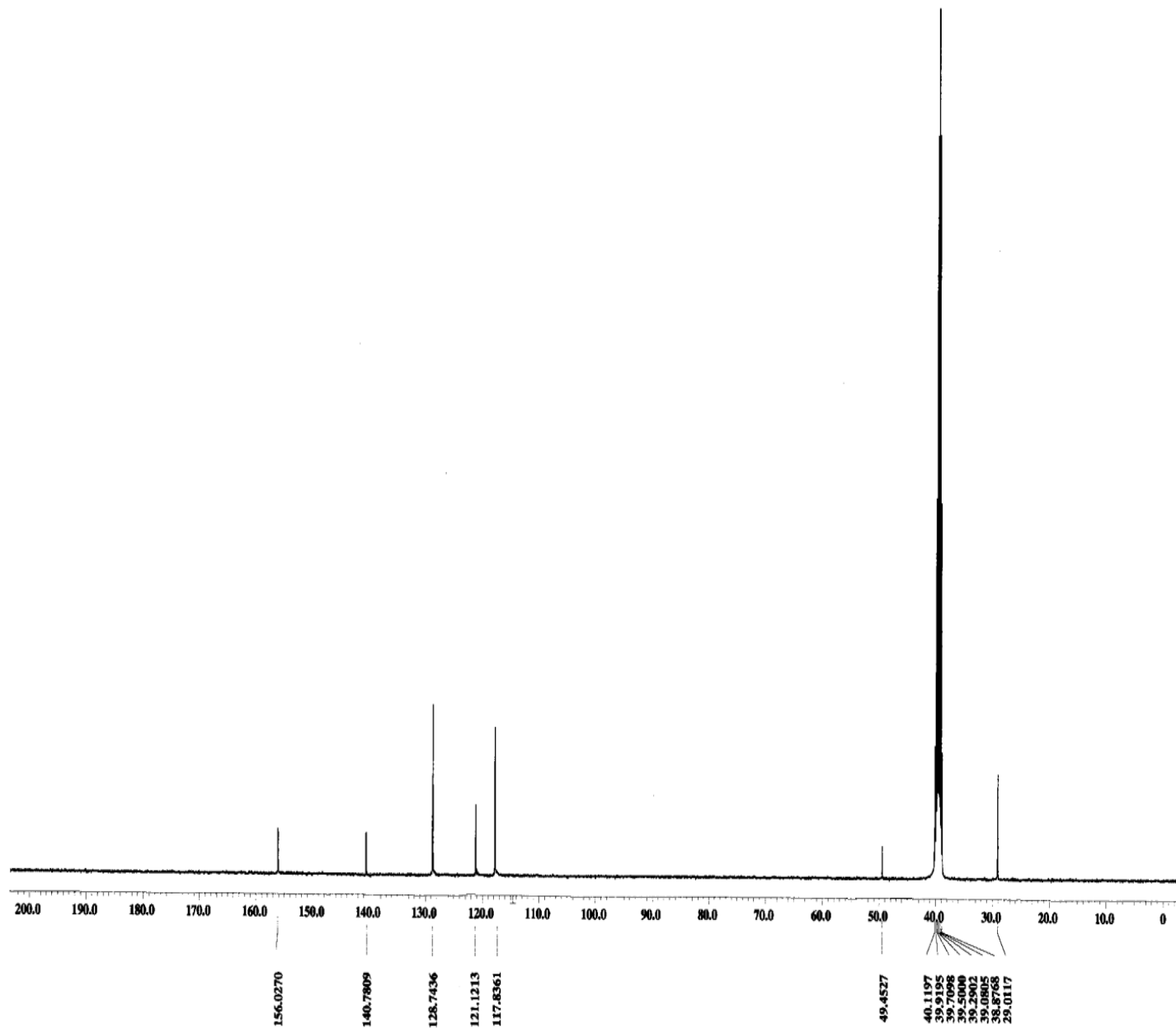
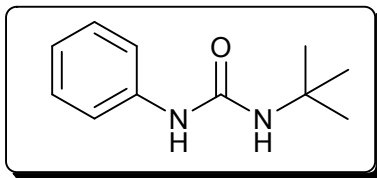
Compound 3a. ^{13}C NMR Spectrum (CDCl_3).



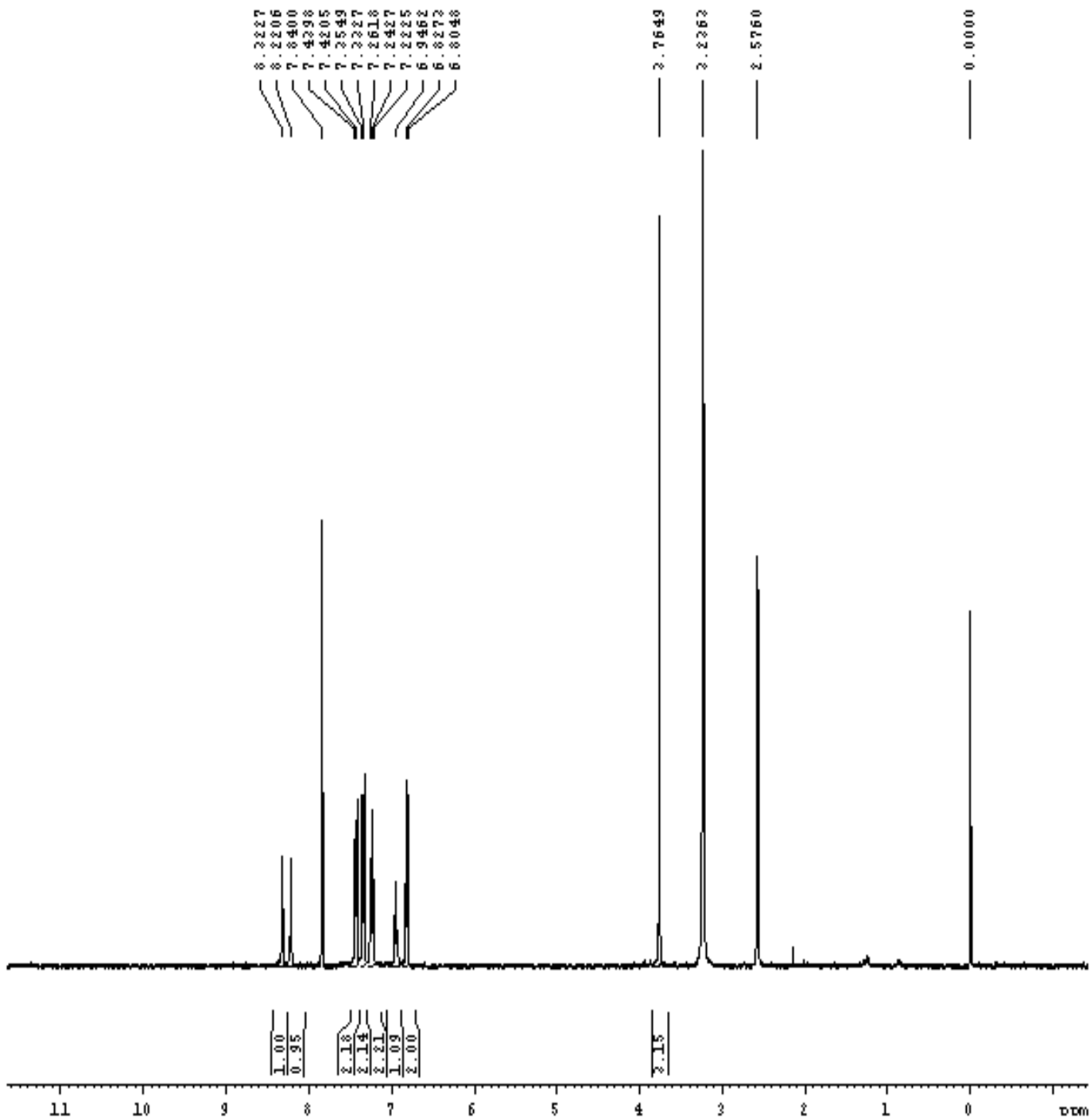
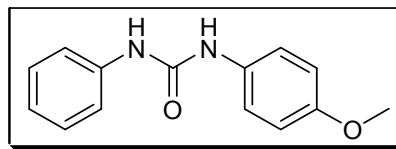
Compound 3b. ¹H NMR Spectrum (DMSO-d₆).



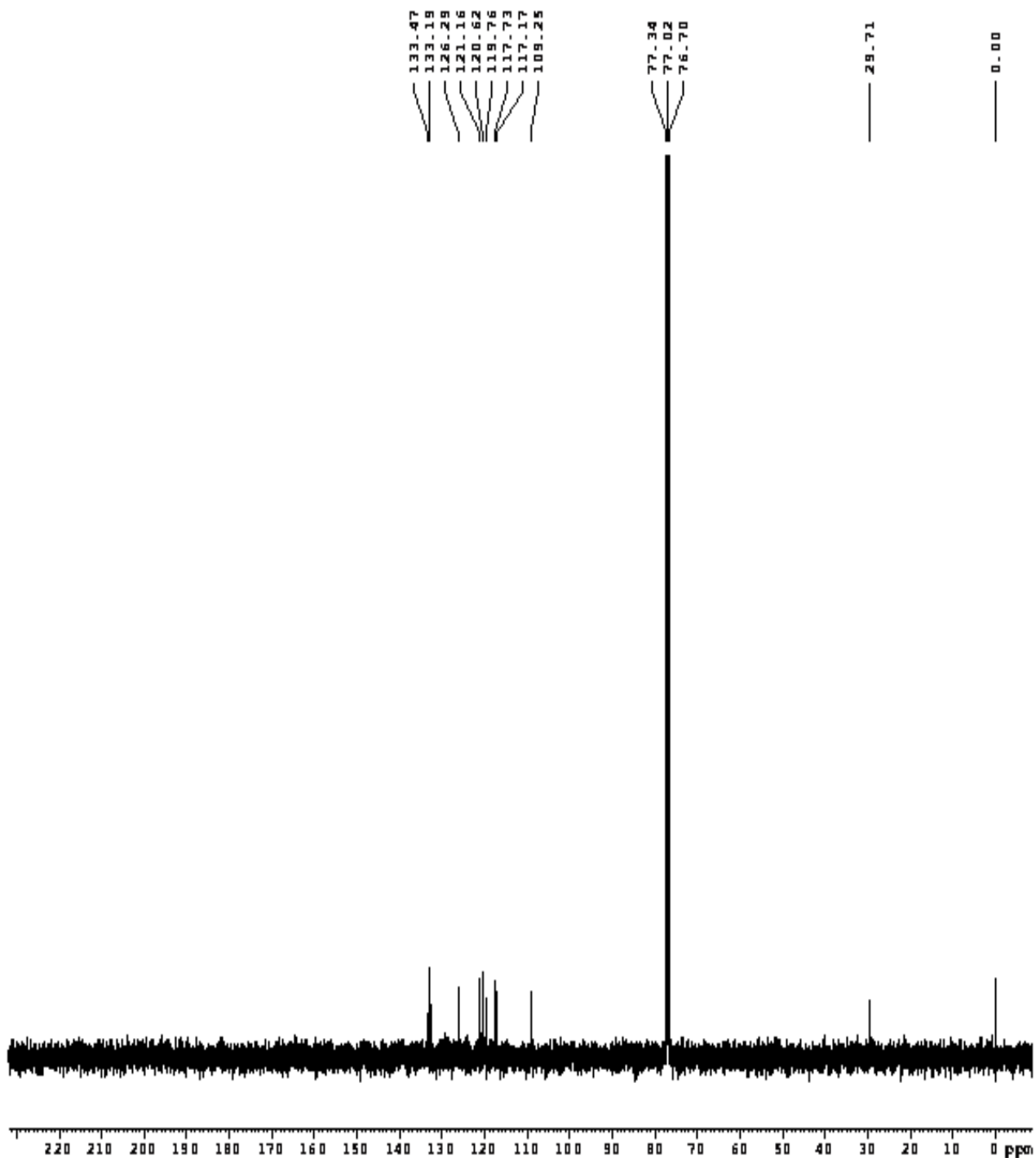
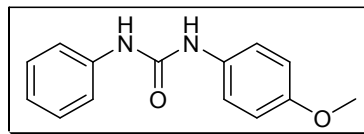
Compound 3b. ^1H NMR Spectrum (DMSO- d_6).



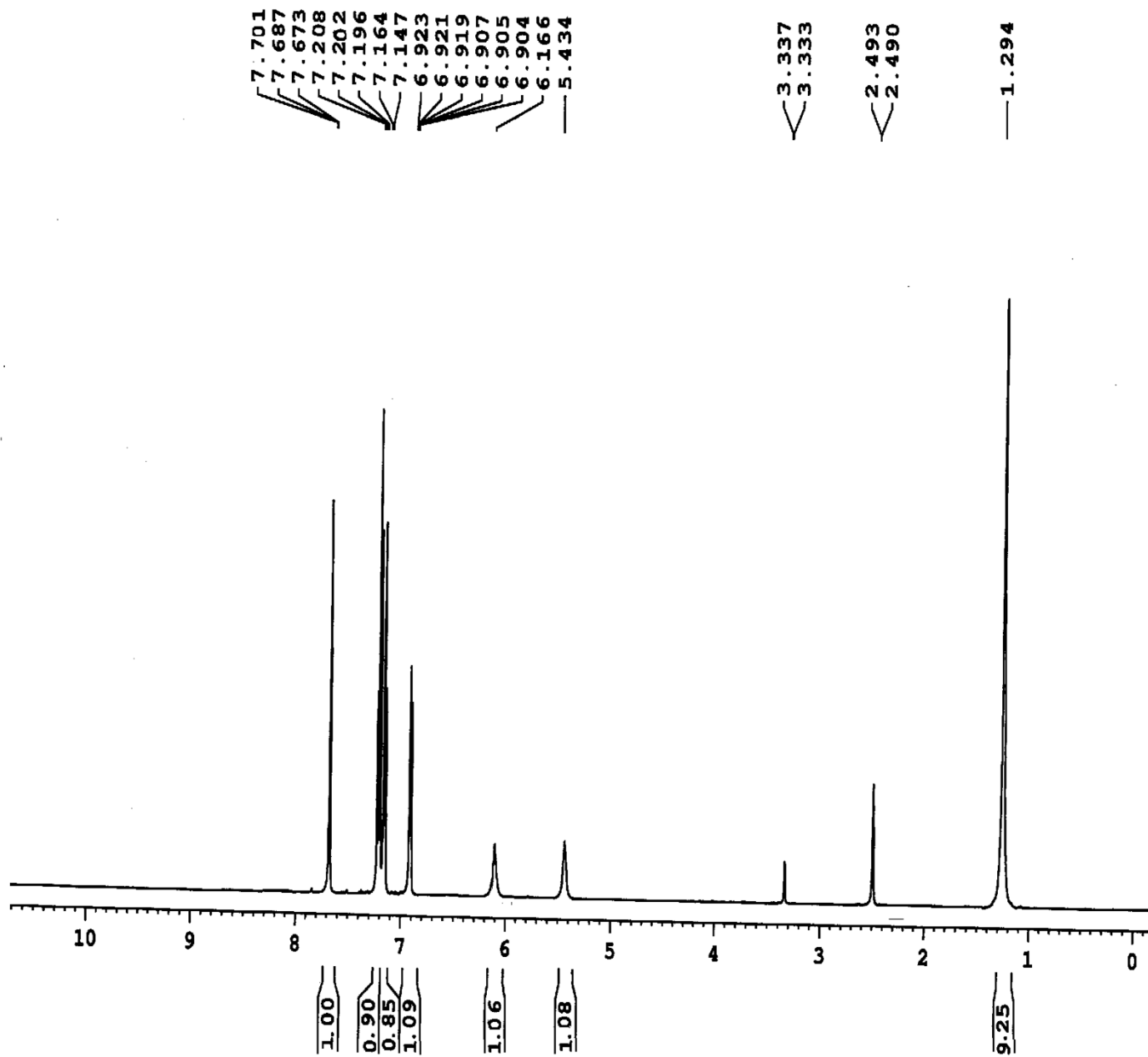
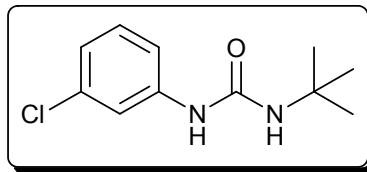
Compound 3c. ¹H NMR Spectrum (CDCl₃).



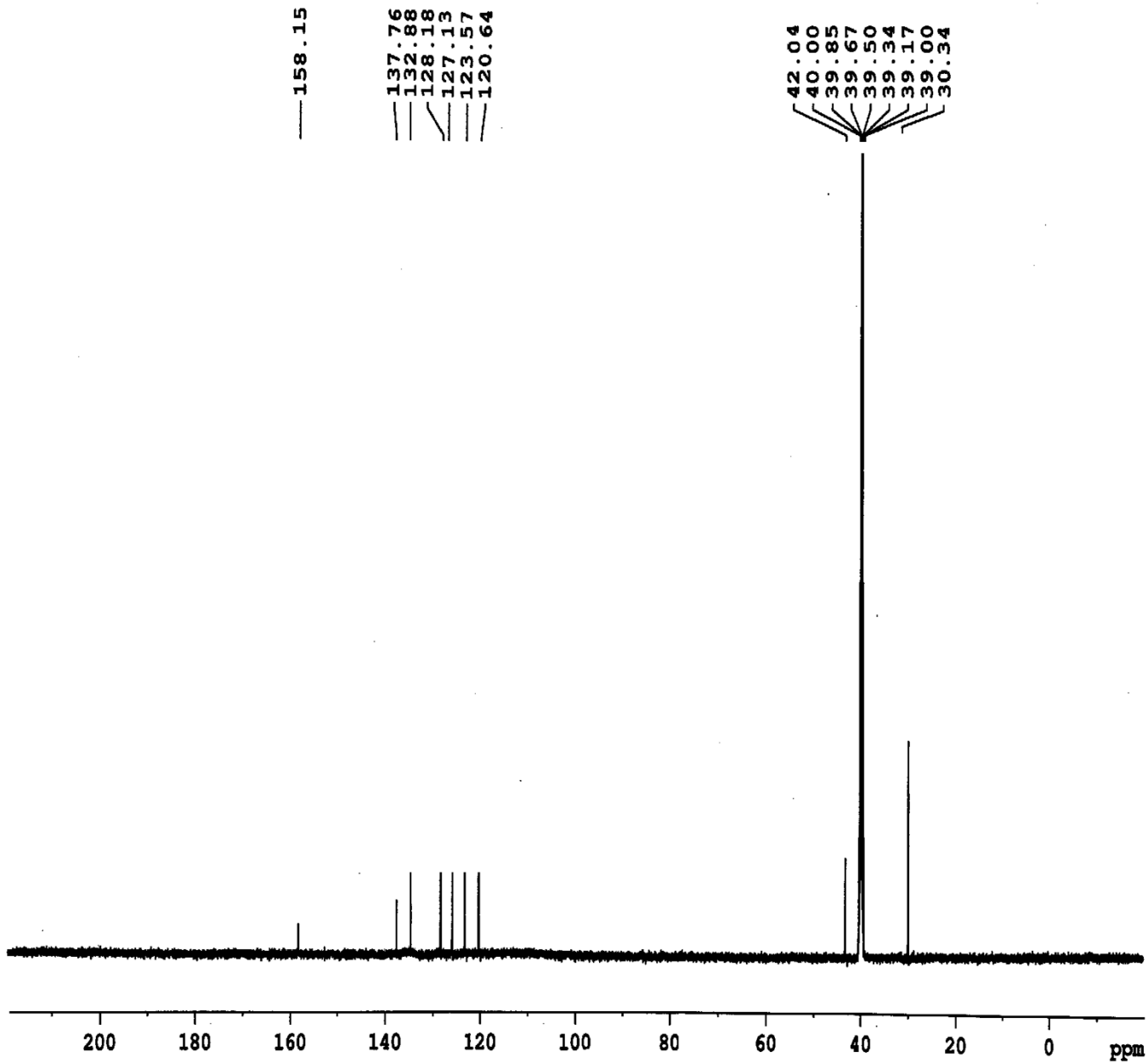
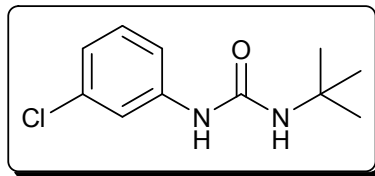
Compound 3c. ^{13}C NMR Spectrum (CDCl_3).



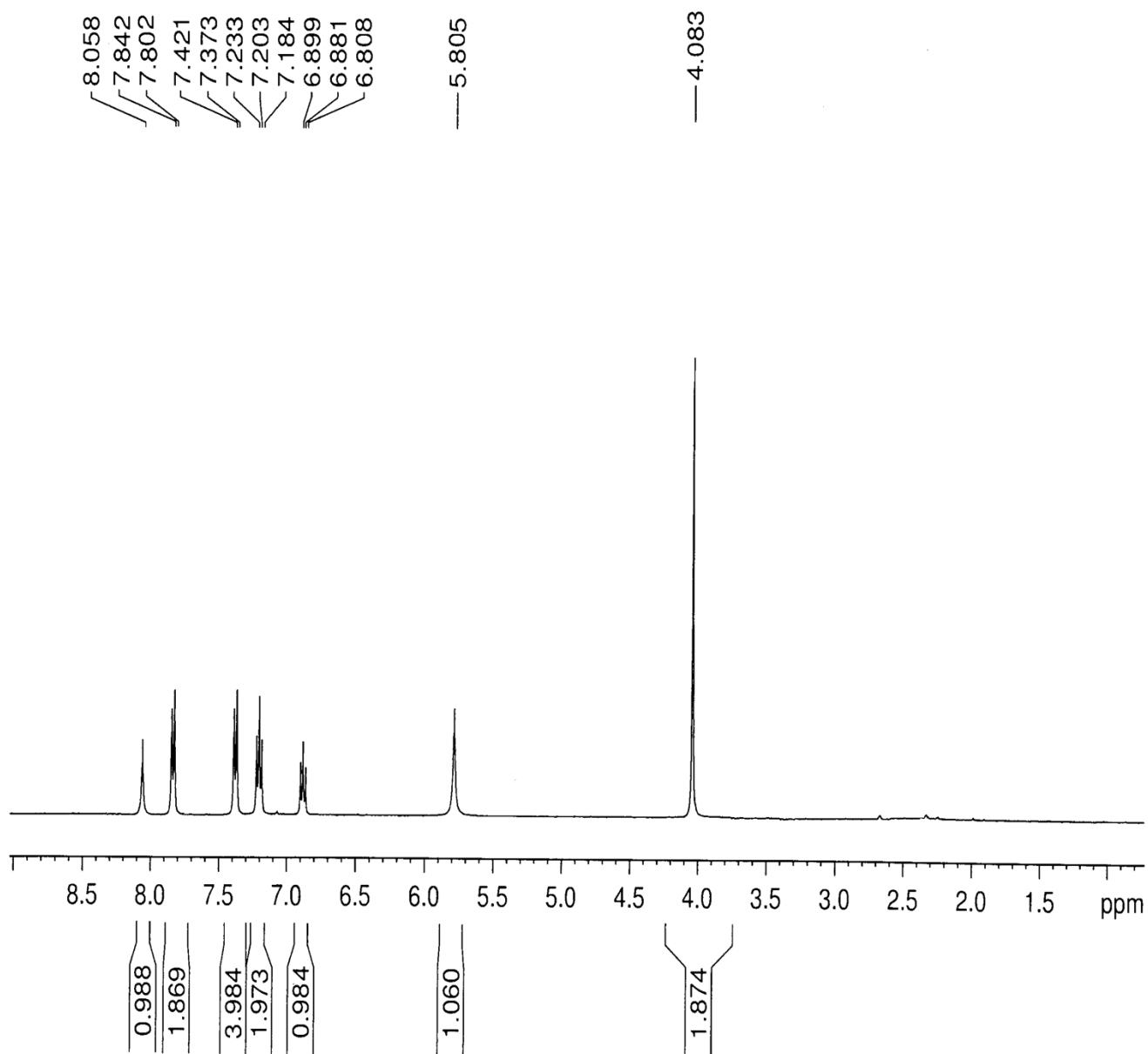
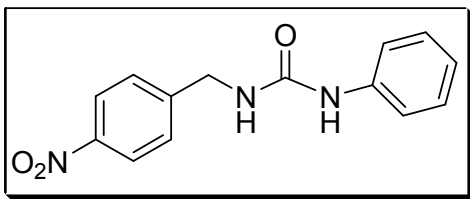
Compound 3d. ^1H NMR Spectrum (DMSO- d_6).



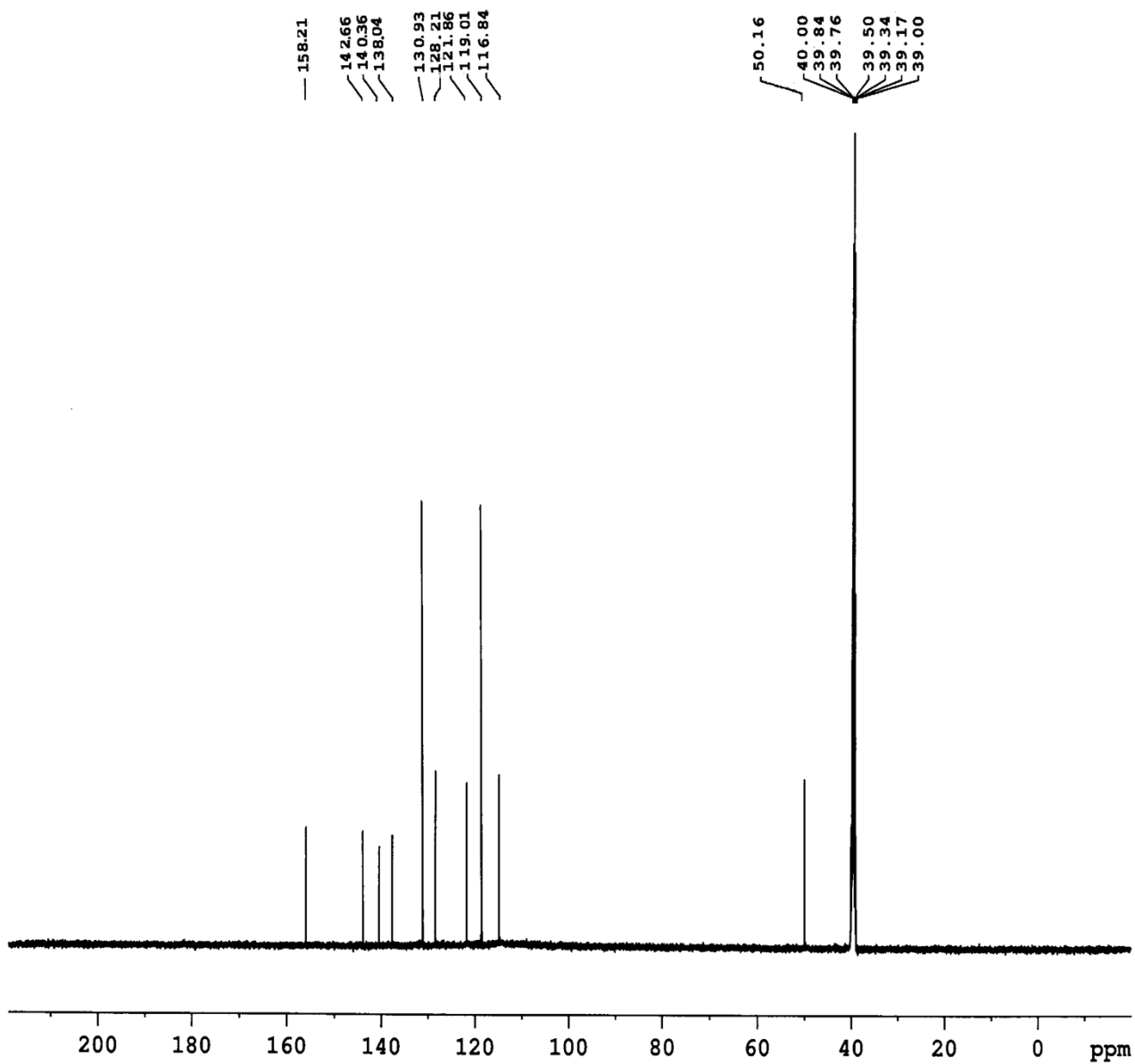
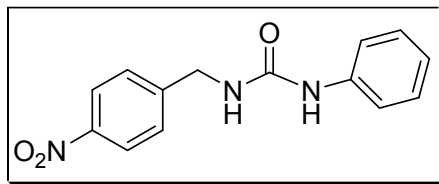
Compound 3d. ^{13}C NMR Spectrum (DMSO- d_6).



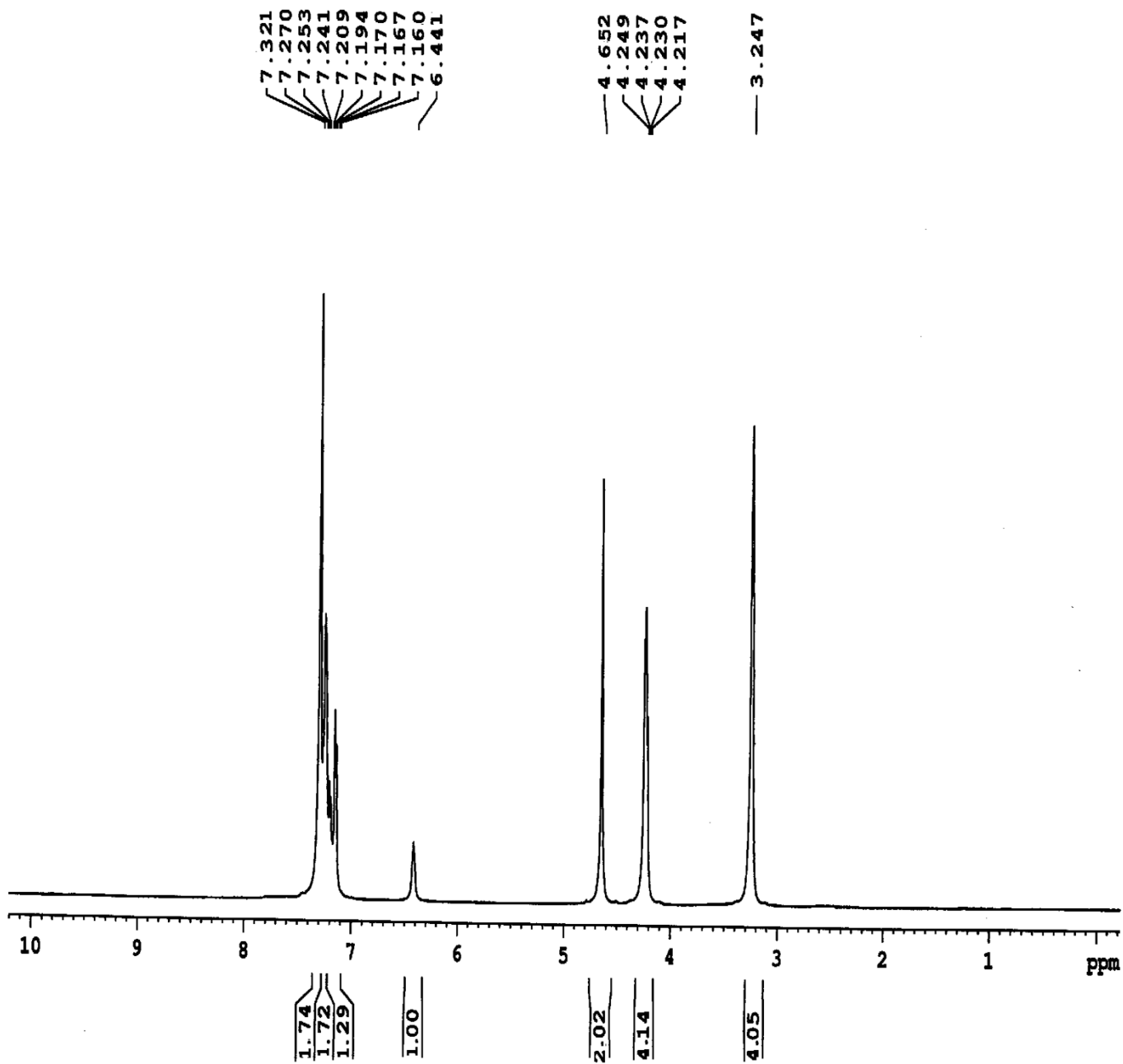
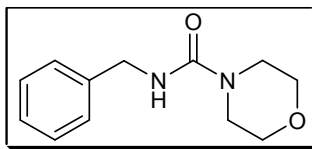
Compound 3e. ^1H NMR Spectrum (DMSO- d_6).



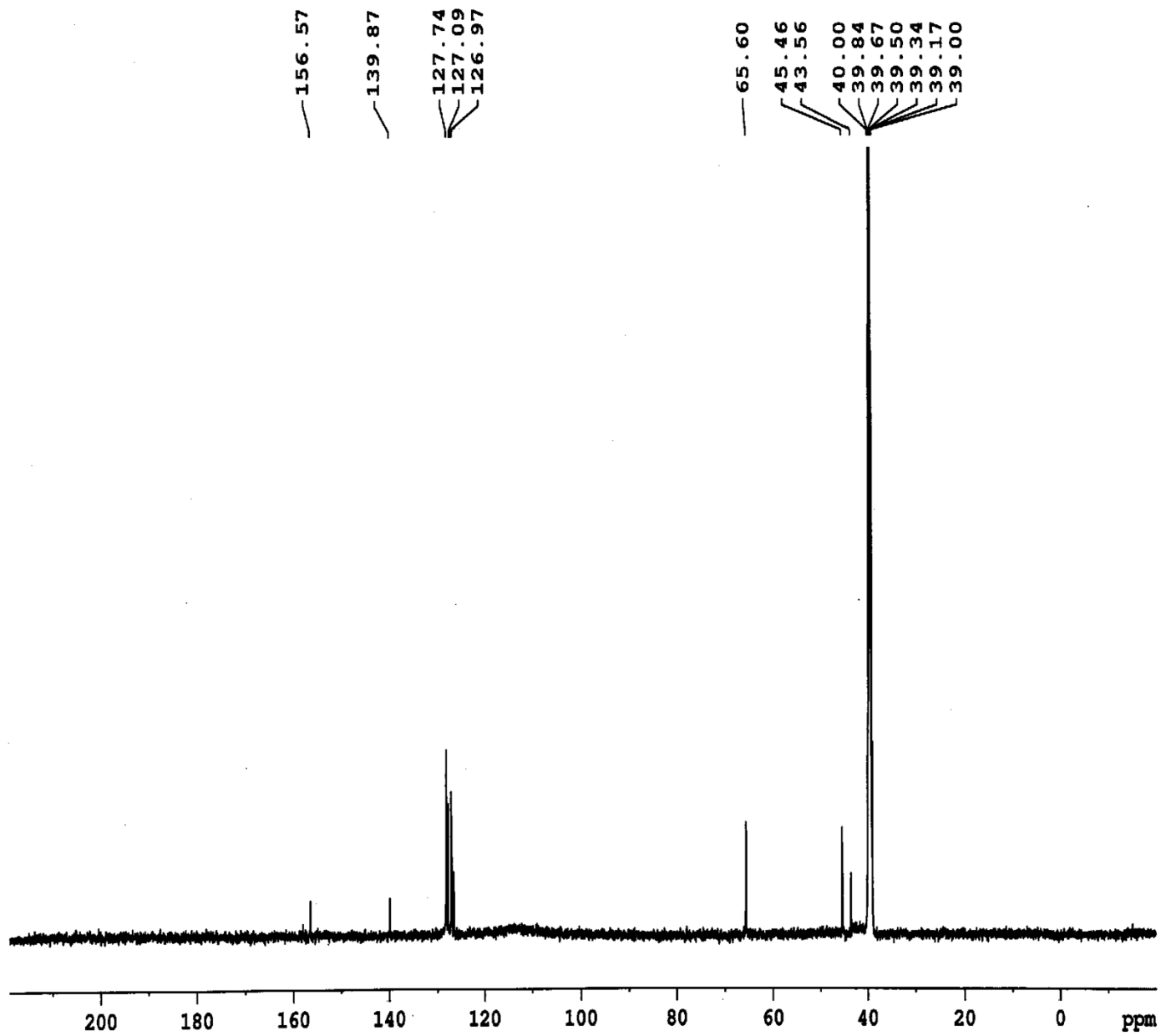
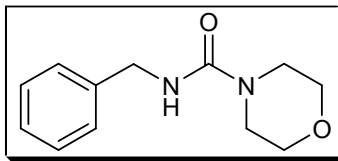
Compound 3e. ^1H NMR Spectrum ($\text{DMSO-}d_6$).



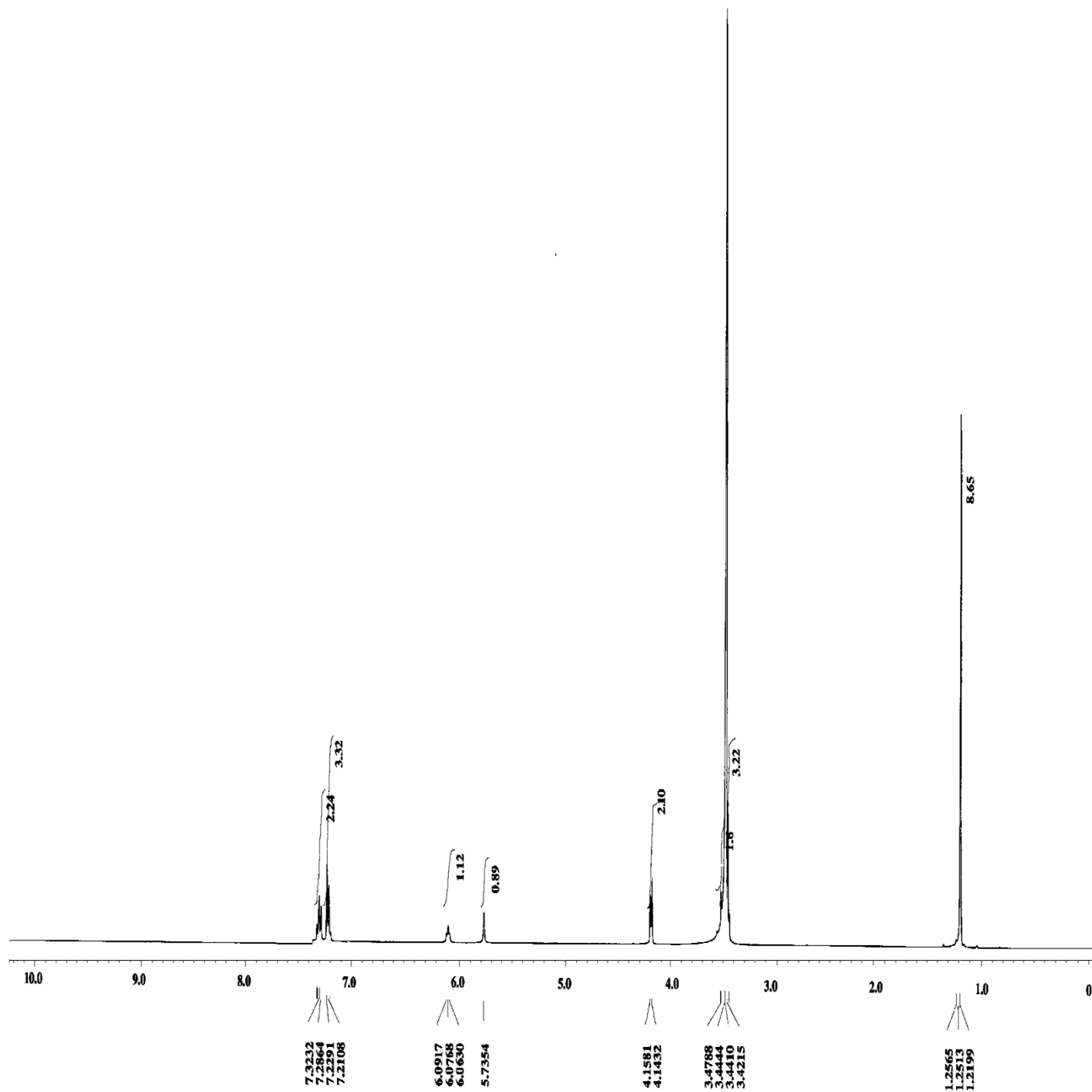
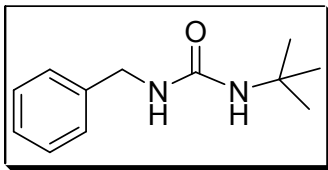
Compound 3f. ^1H NMR Spectrum (DMSO- d_6).



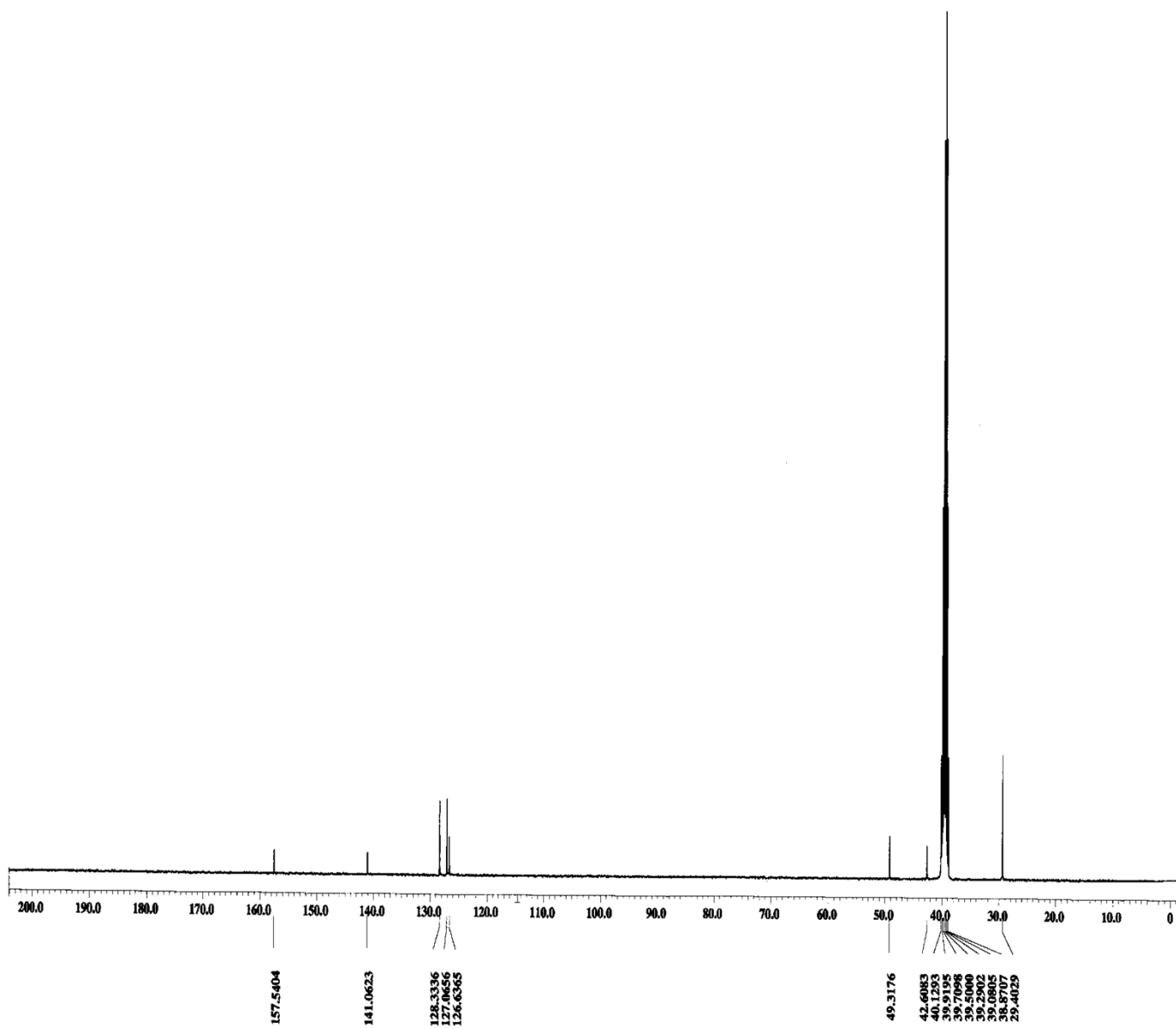
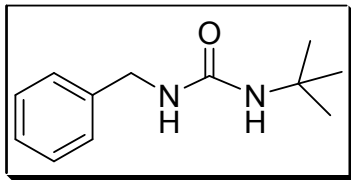
Compound 3f. ^{13}C NMR Spectrum (DMSO- d_6).



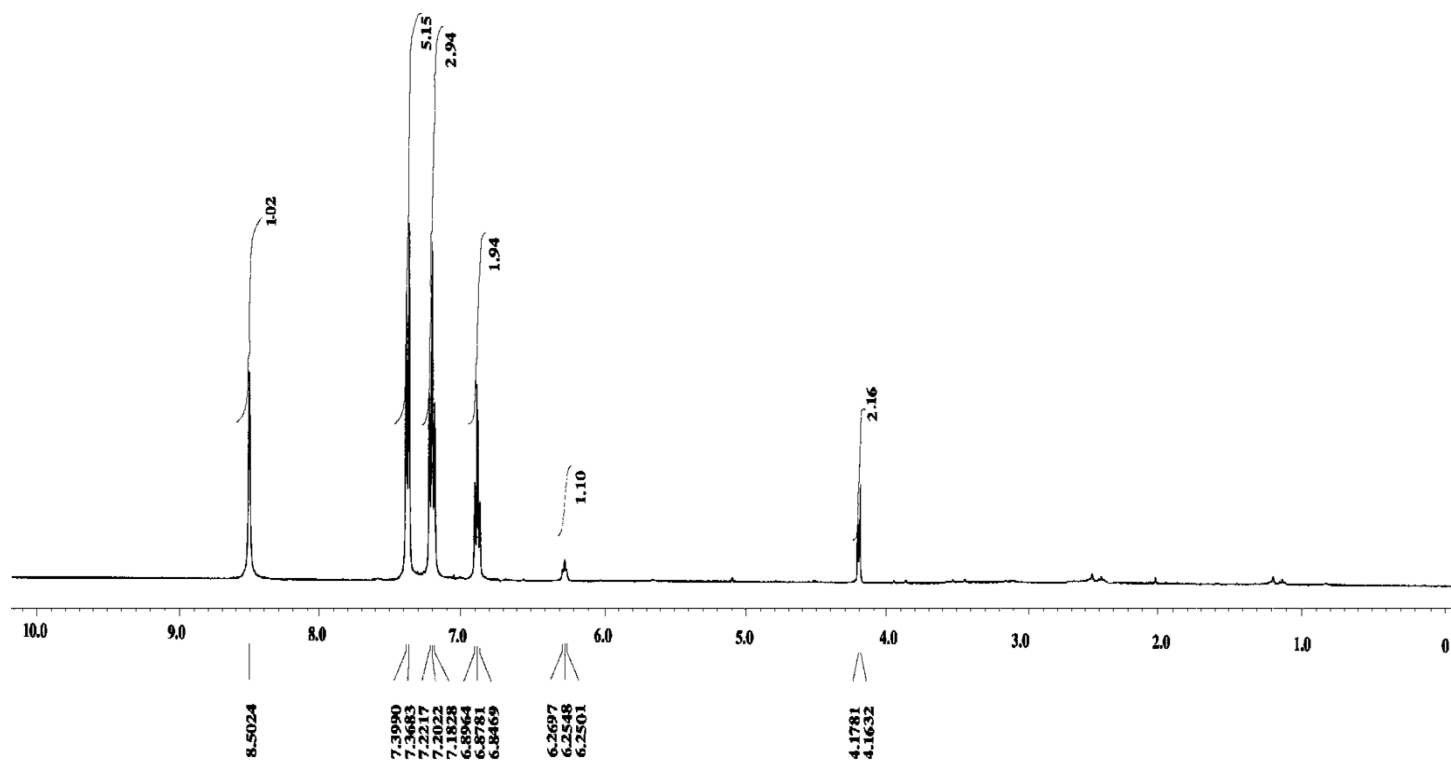
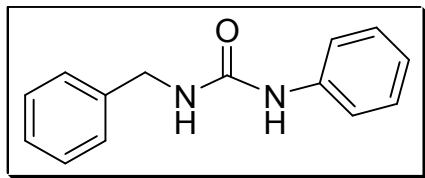
Compound 3g. ^1H NMR Spectrum (DMSO- d_6).



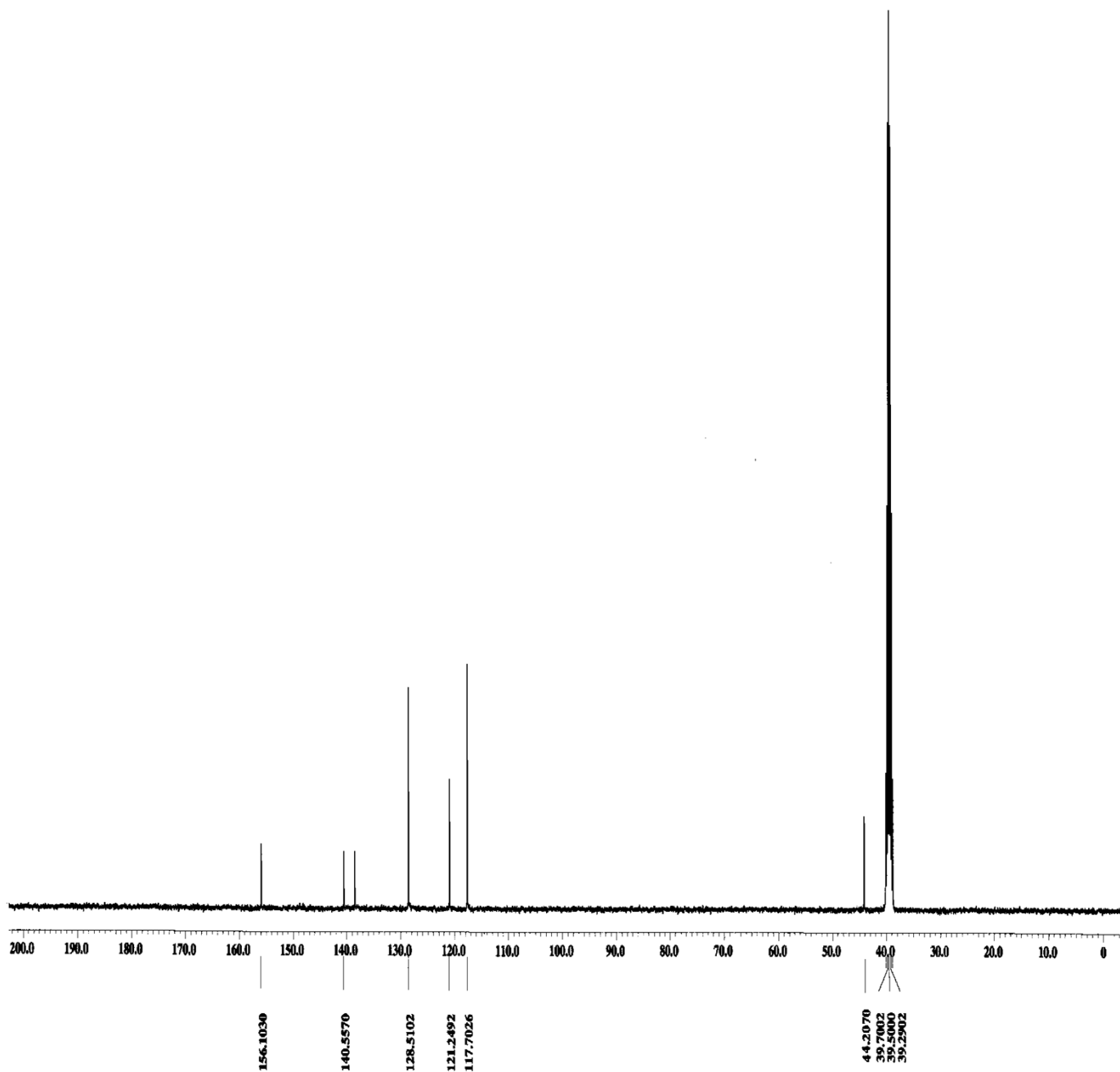
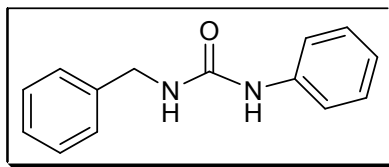
Compound 3g. ^{13}C NMR Spectrum (DMSO- d_6).



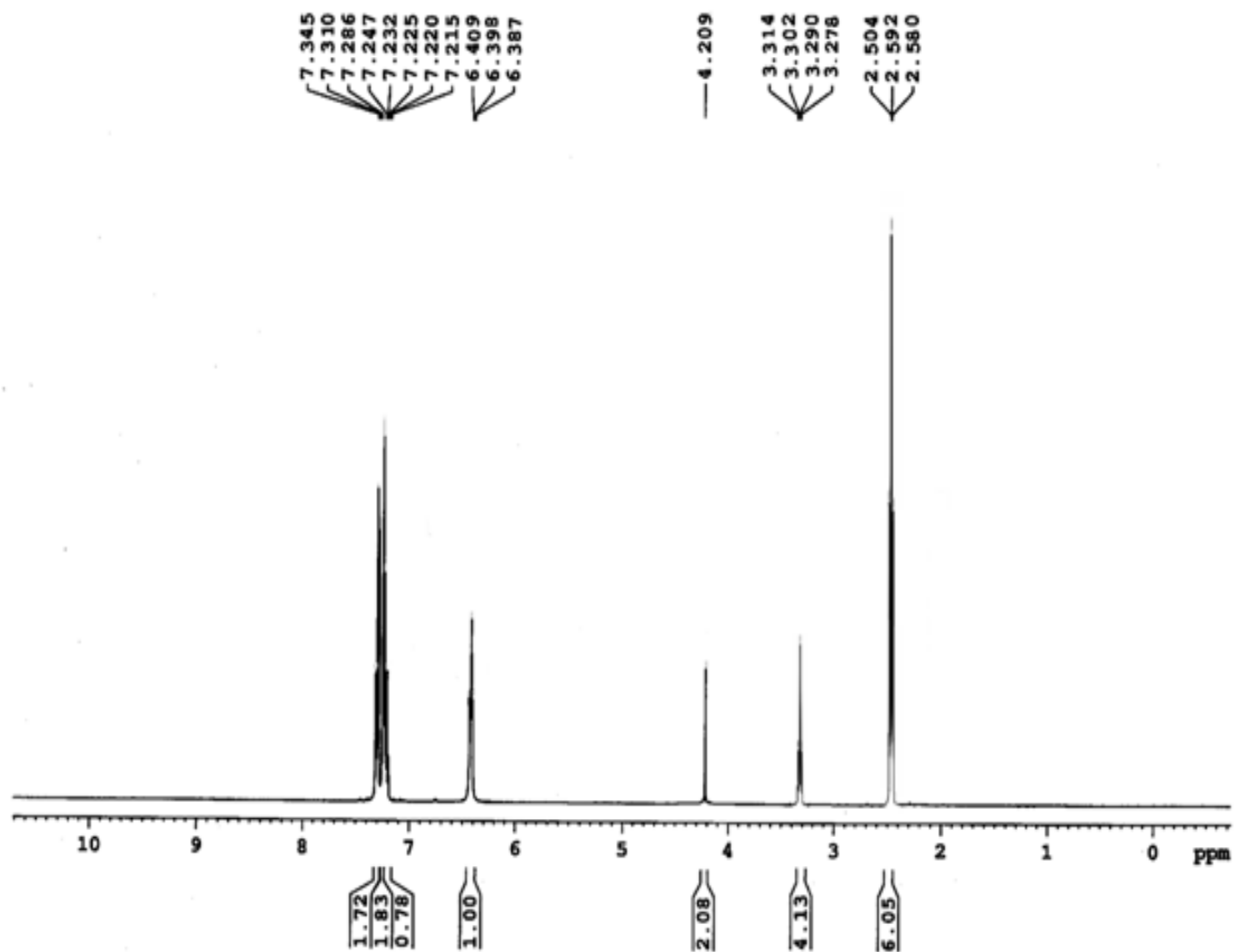
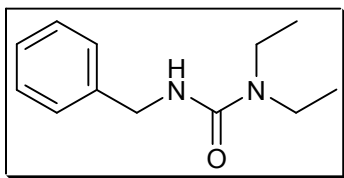
Compound 3h. ^1H NMR Spectrum (CDCl_3).



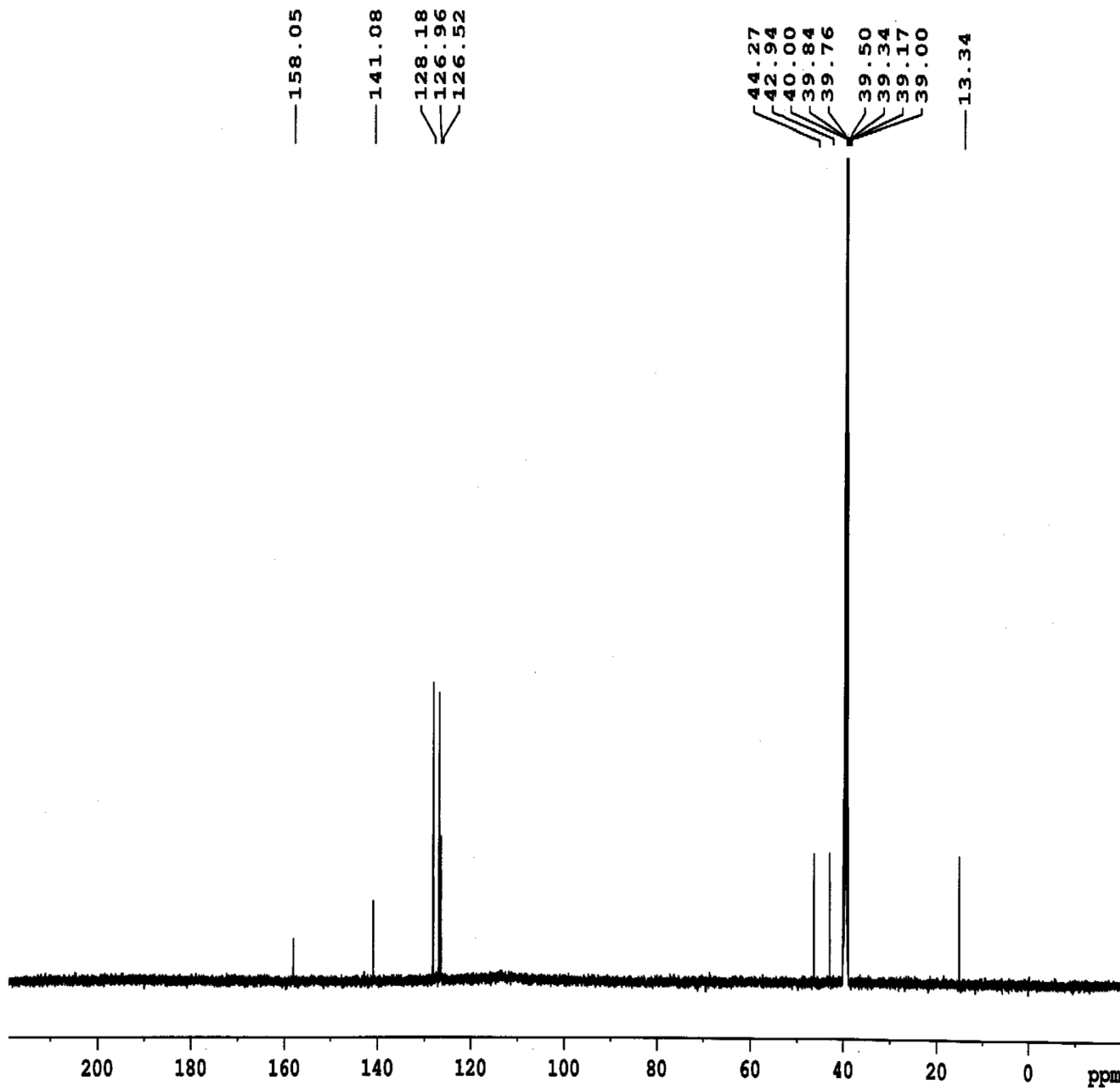
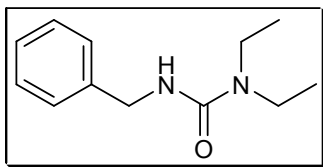
Compound 3h. ^{13}C NMR Spectrum (DMSO- d_6).



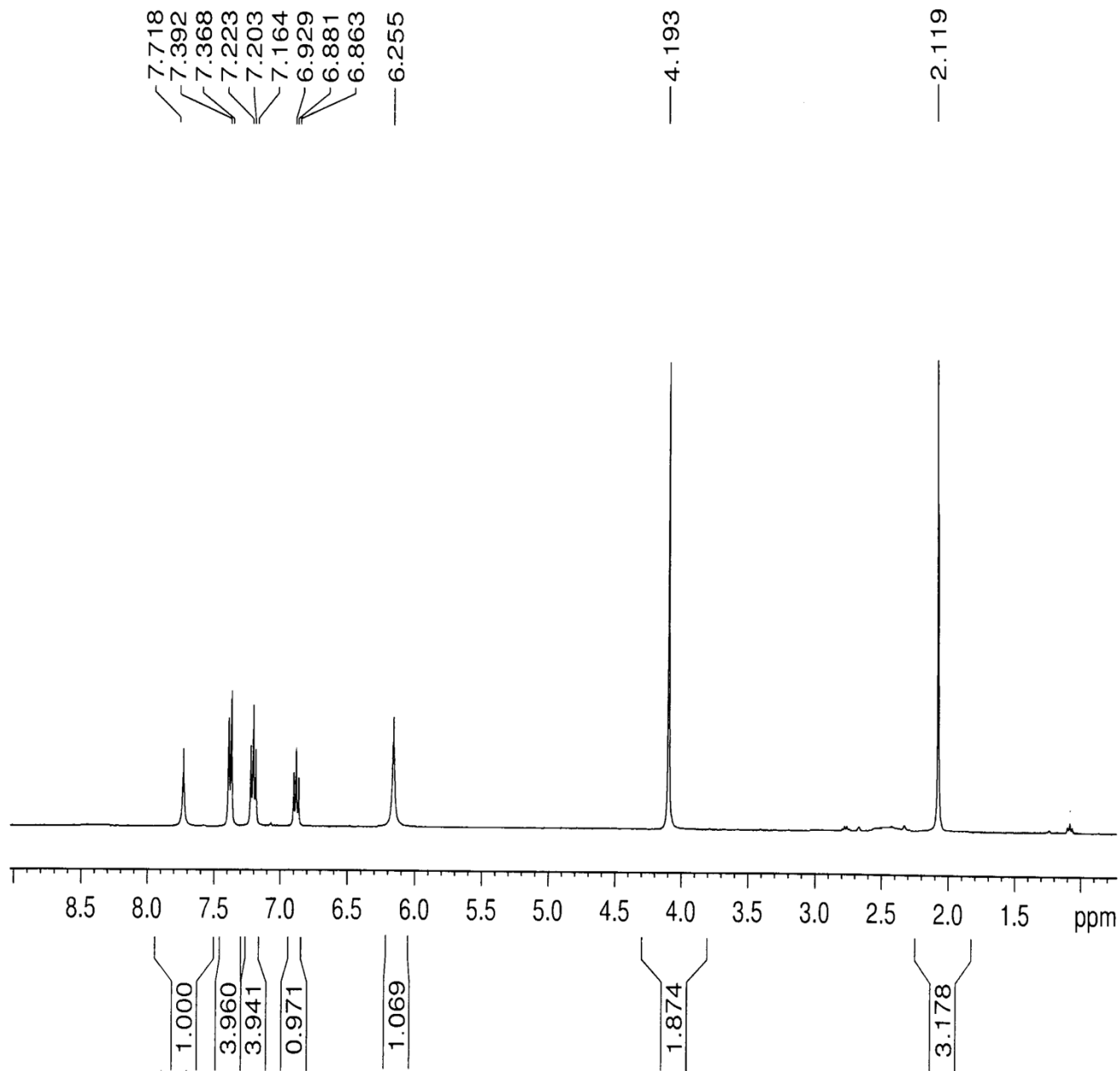
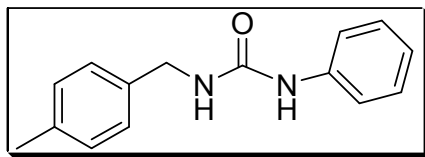
Compound 3i. ^1H NMR Spectrum (DMSO- d_6).



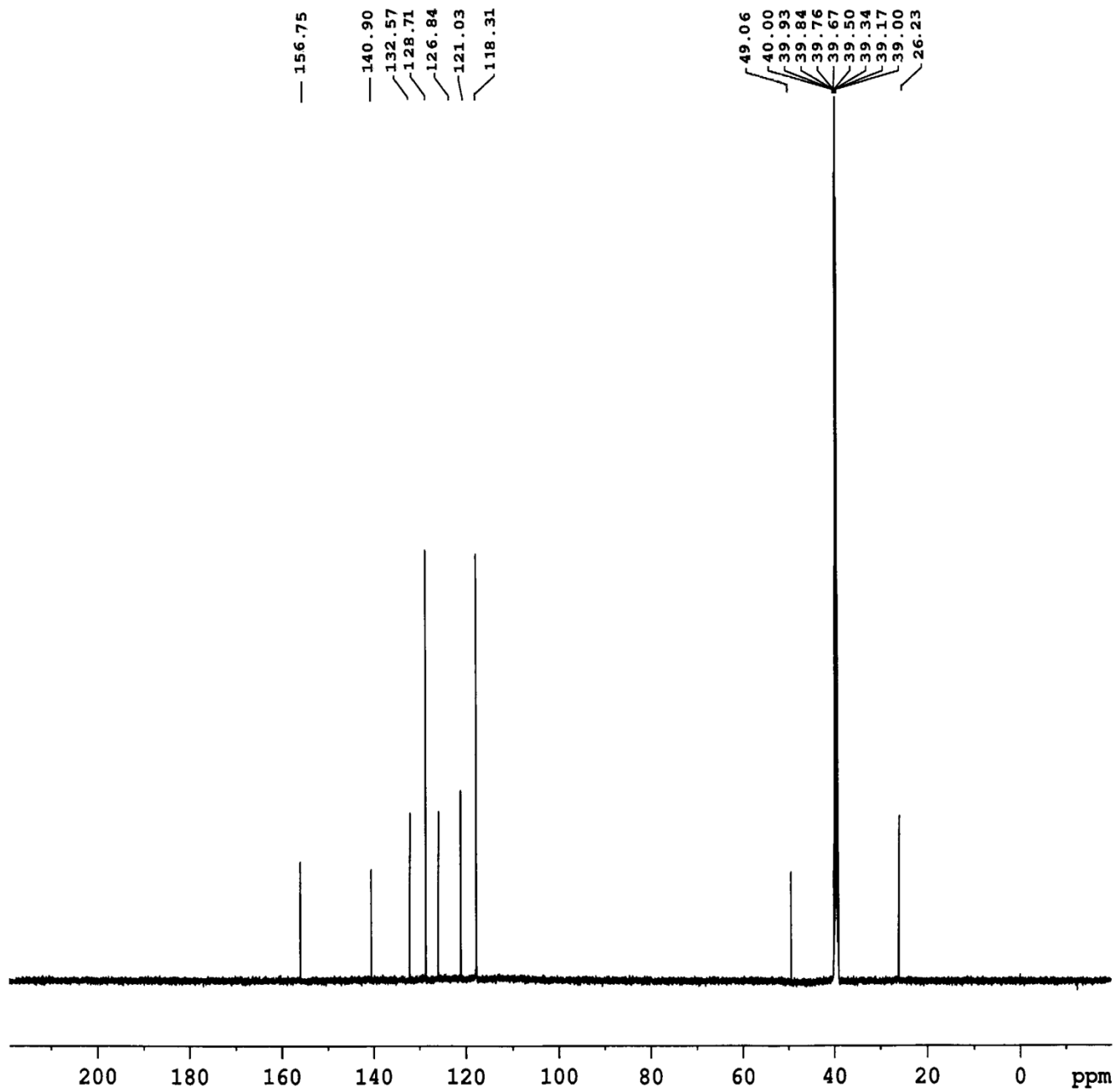
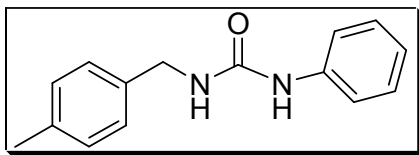
Compound 3i. ^{13}C NMR Spectrum (DMSO- d_6).



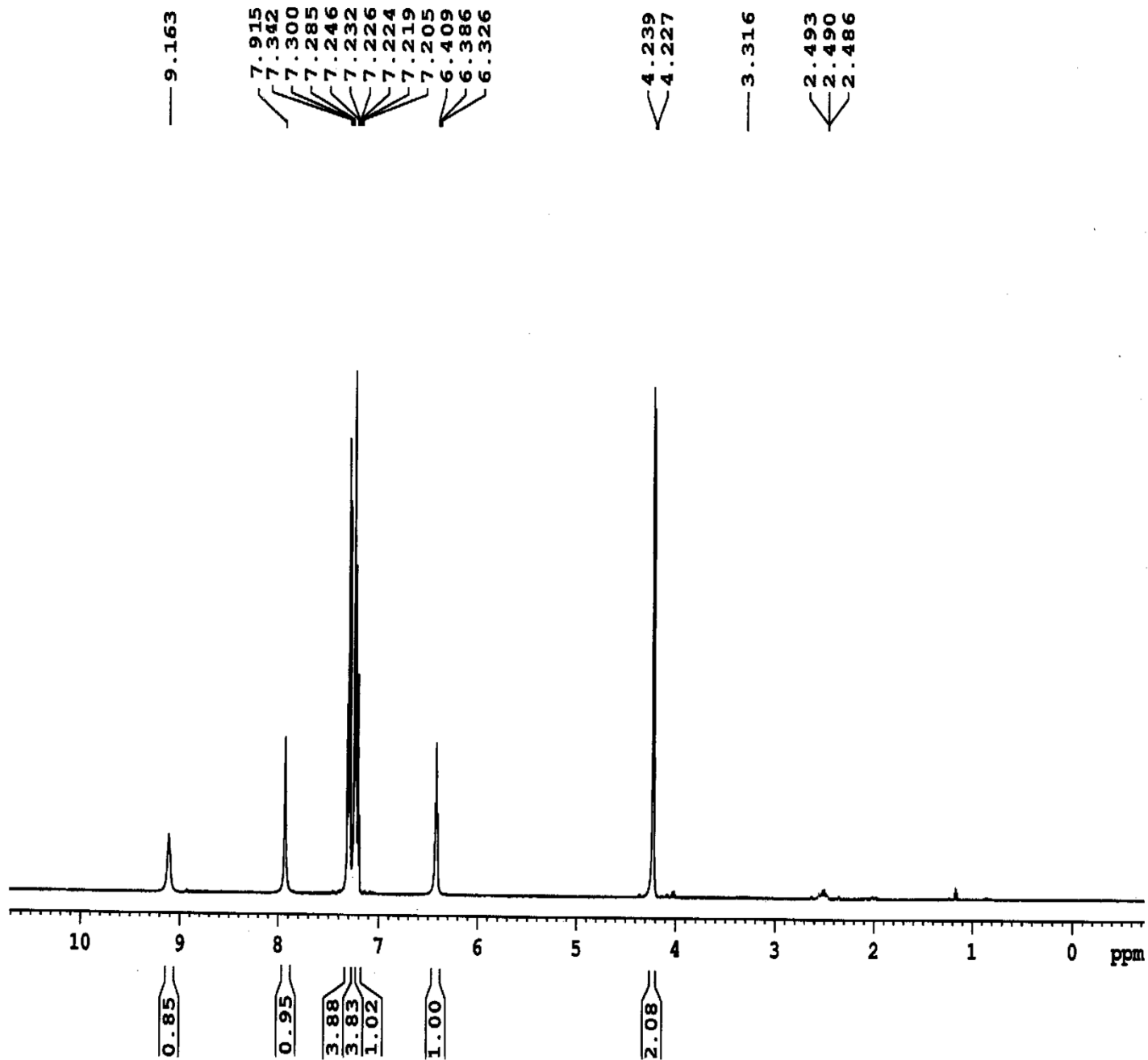
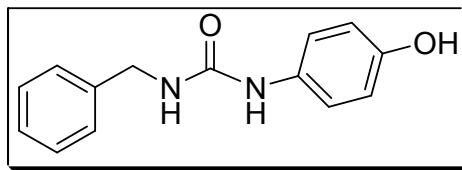
Compound 3j. ^1H NMR Spectrum (DMSO- d_6).



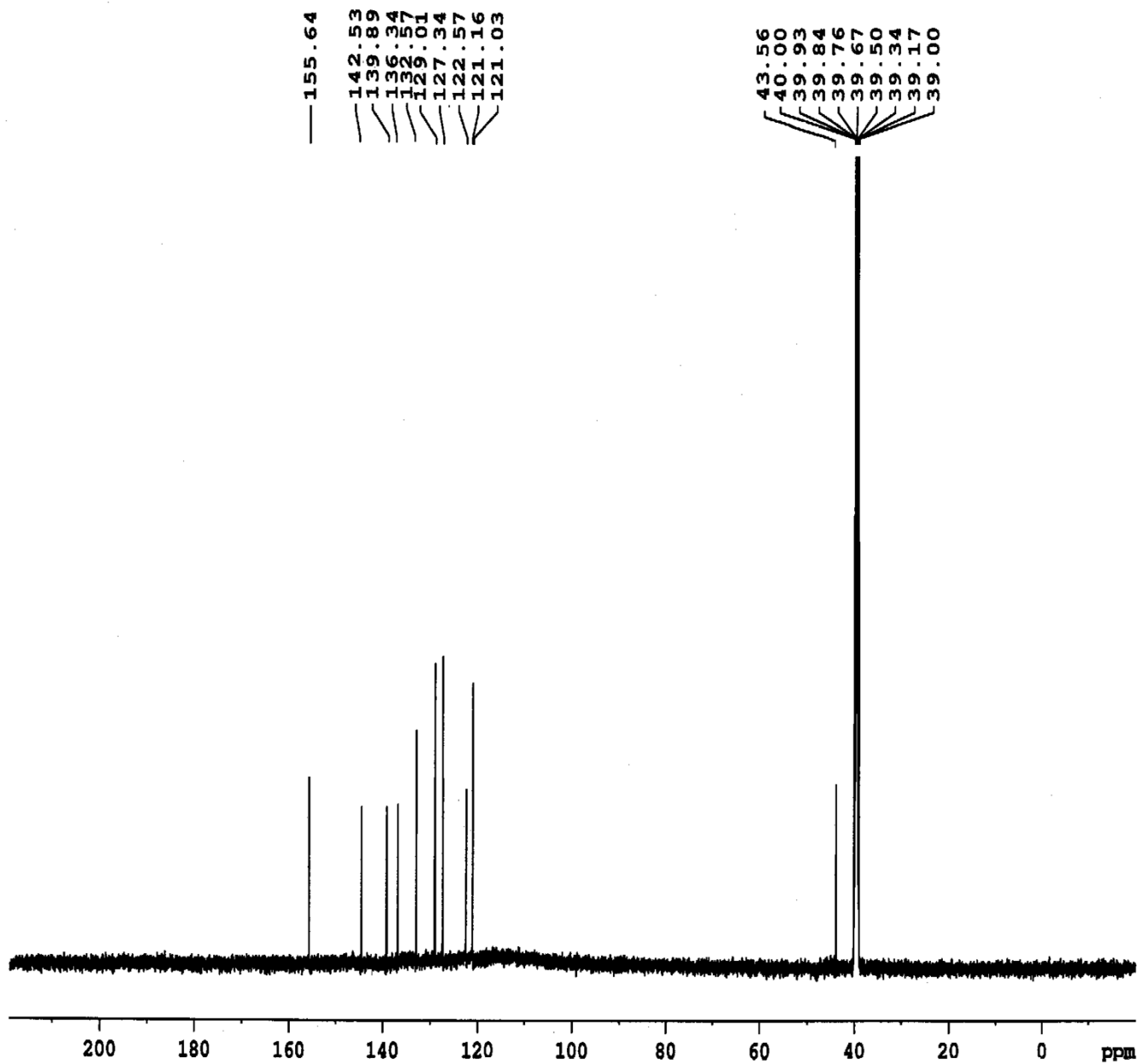
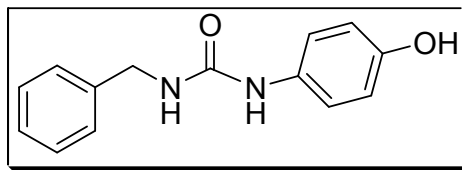
Compound 3j. ^{13}C NMR Spectrum (DMSO- d_6).



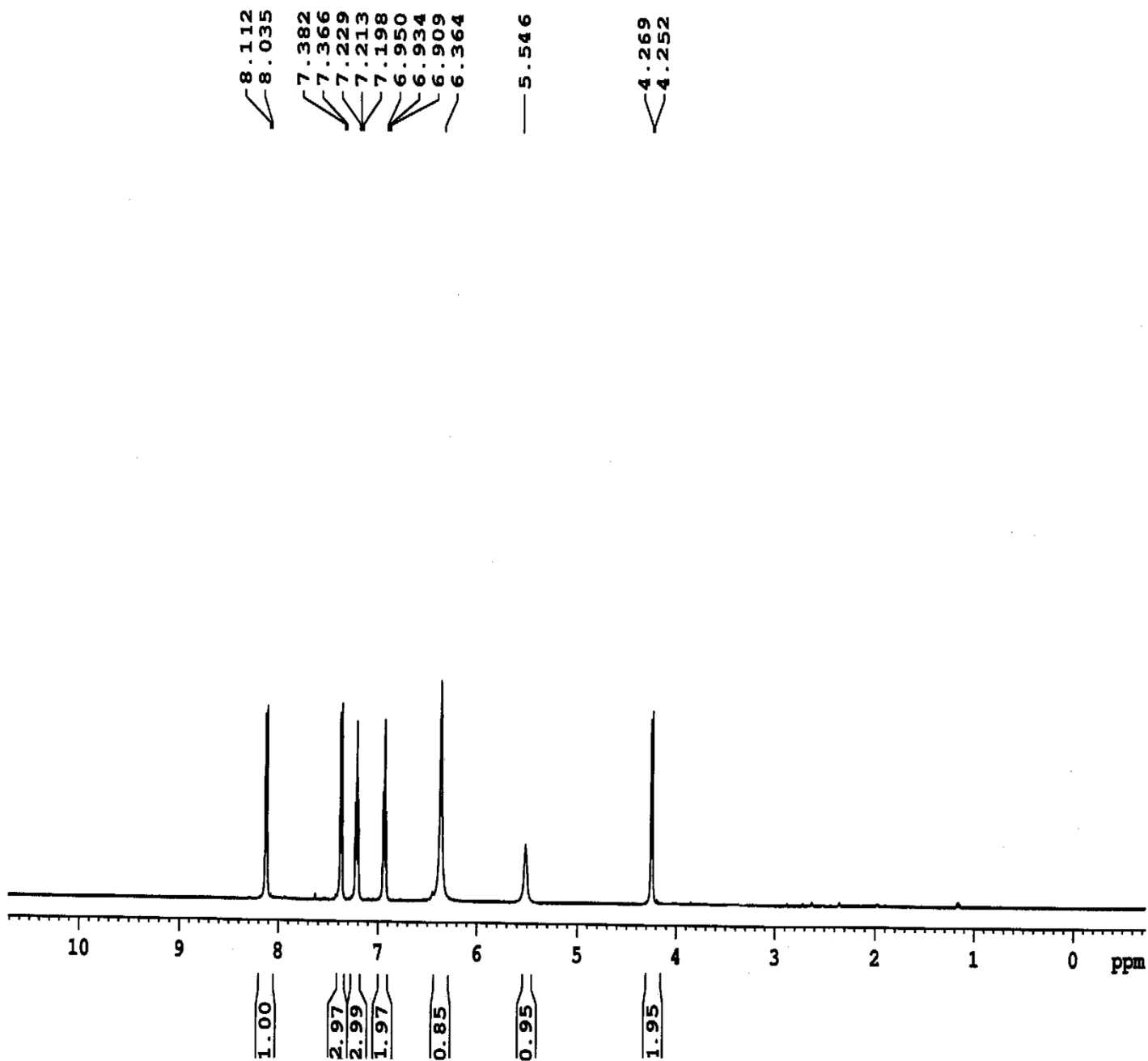
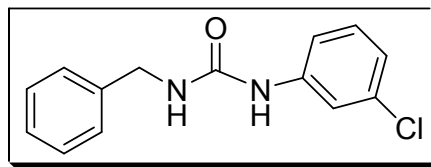
Compound 3k. ^1H NMR Spectrum (DMSO- d_6).



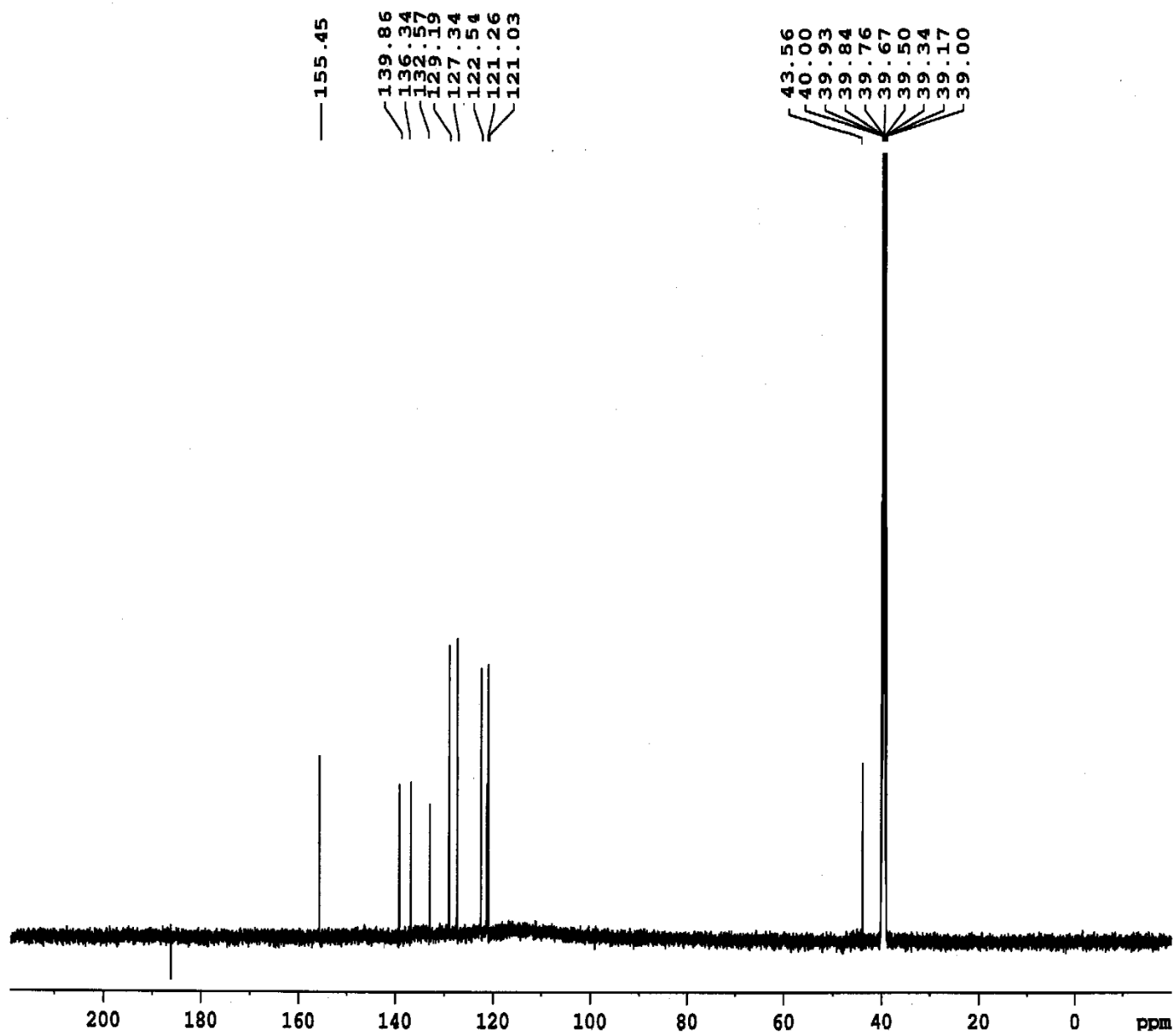
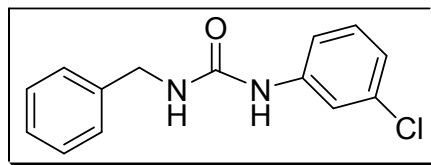
Compound 3k. ^{13}C NMR Spectrum (DMSO- d_6).



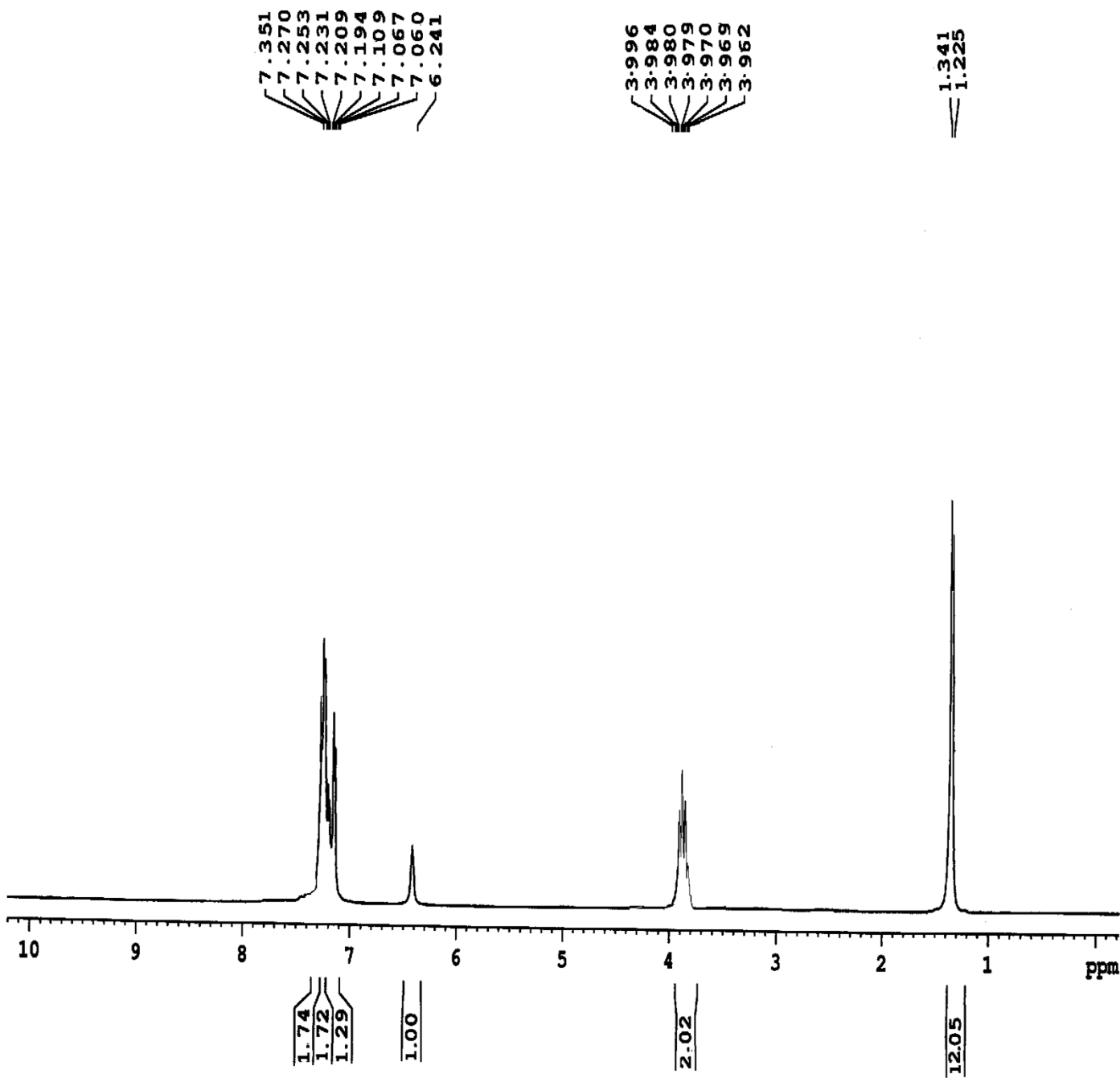
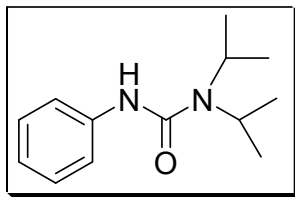
Compound 3l. ¹H NMR Spectrum (CDCl₃).



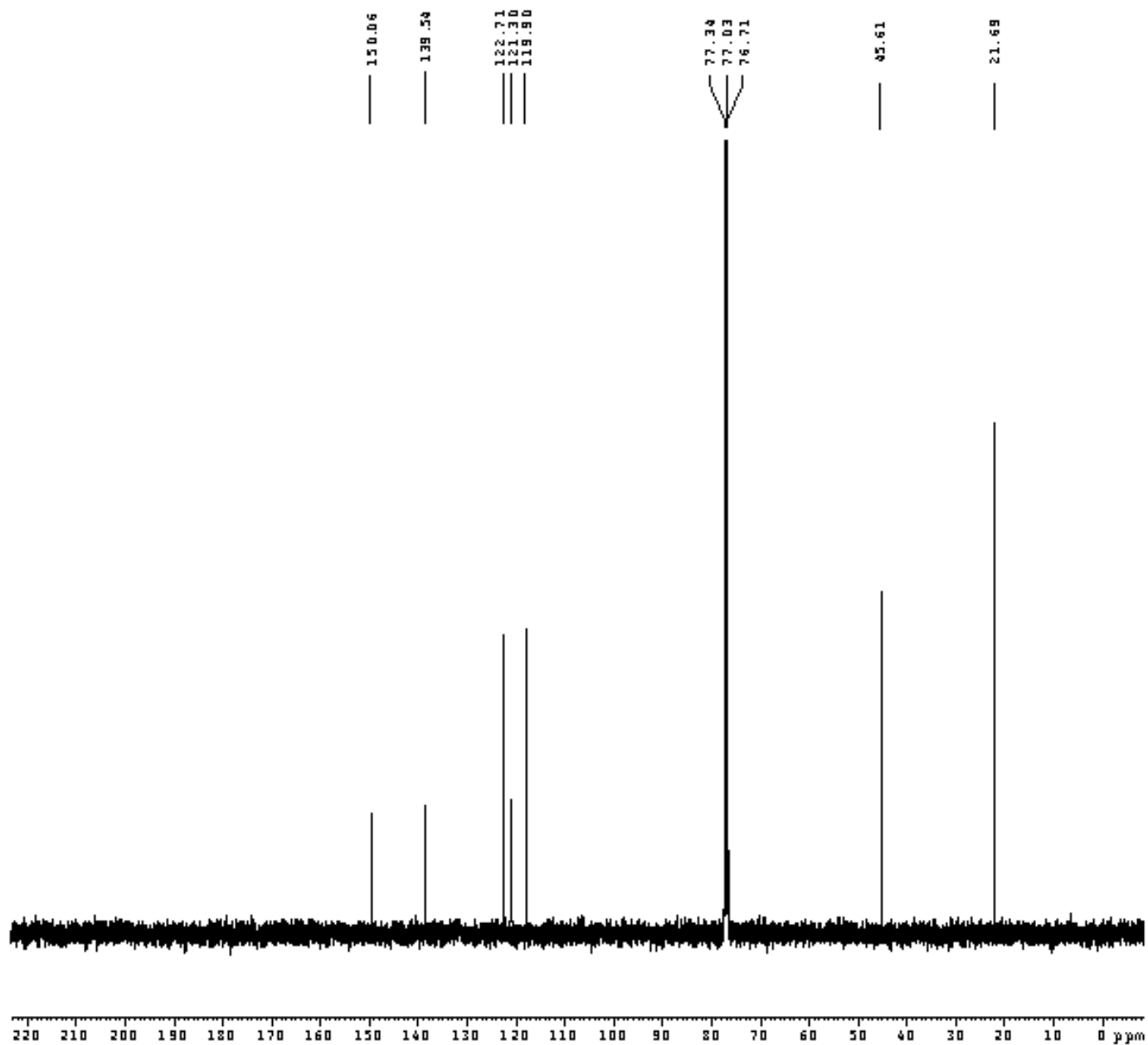
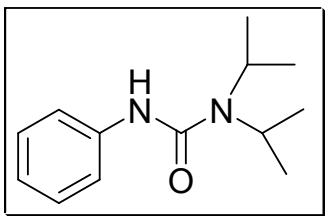
Compound 31. ^{13}C NMR Spectrum (DMSO- d_6).



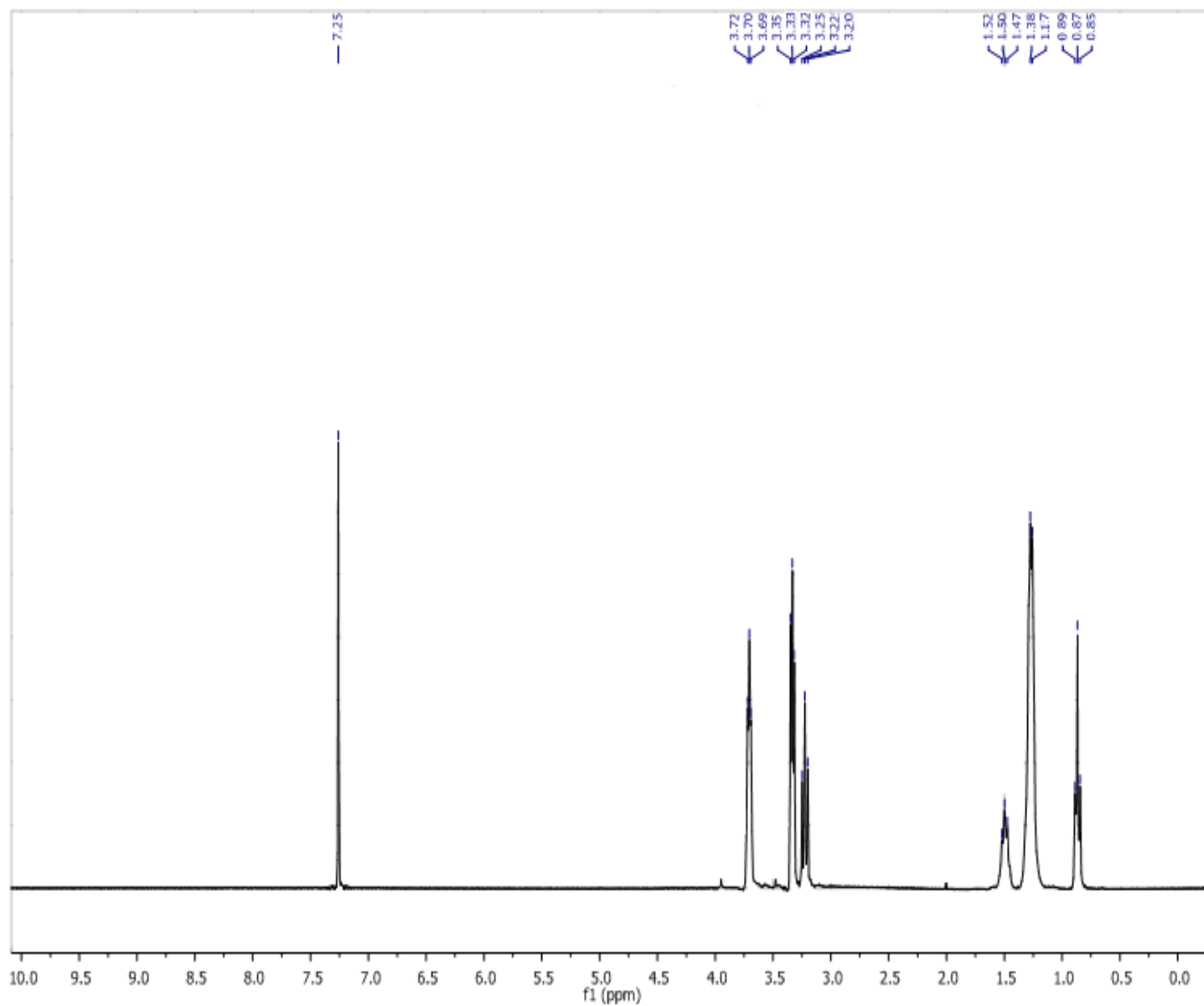
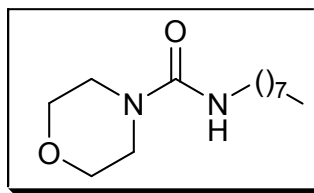
Compound 3m. ^1H NMR Spectrum (CDCl_3).



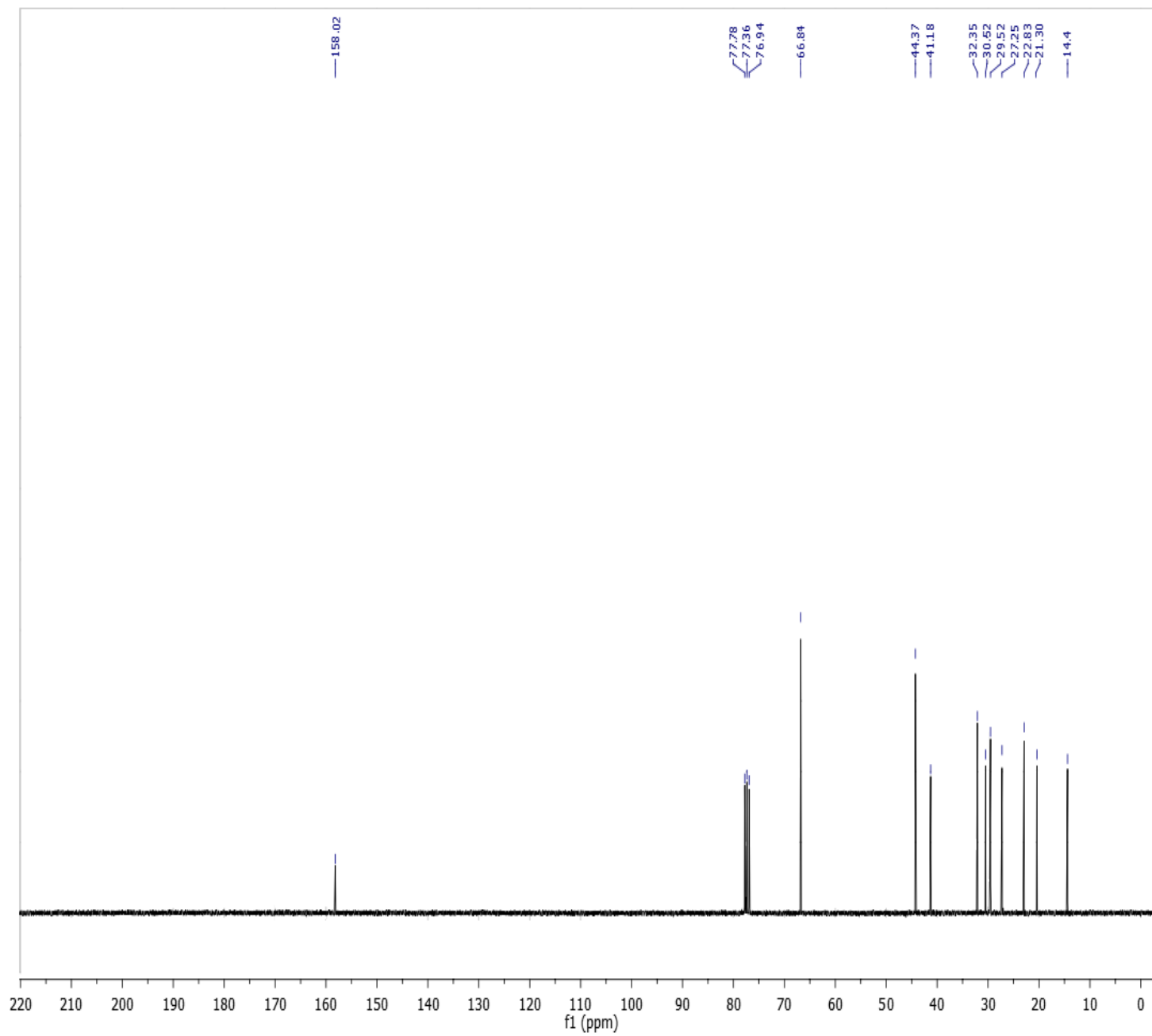
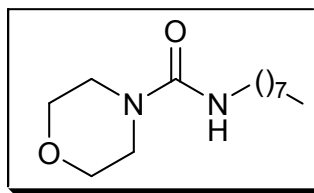
Compound 3m. ^{13}C NMR Spectrum (CDCl_3).



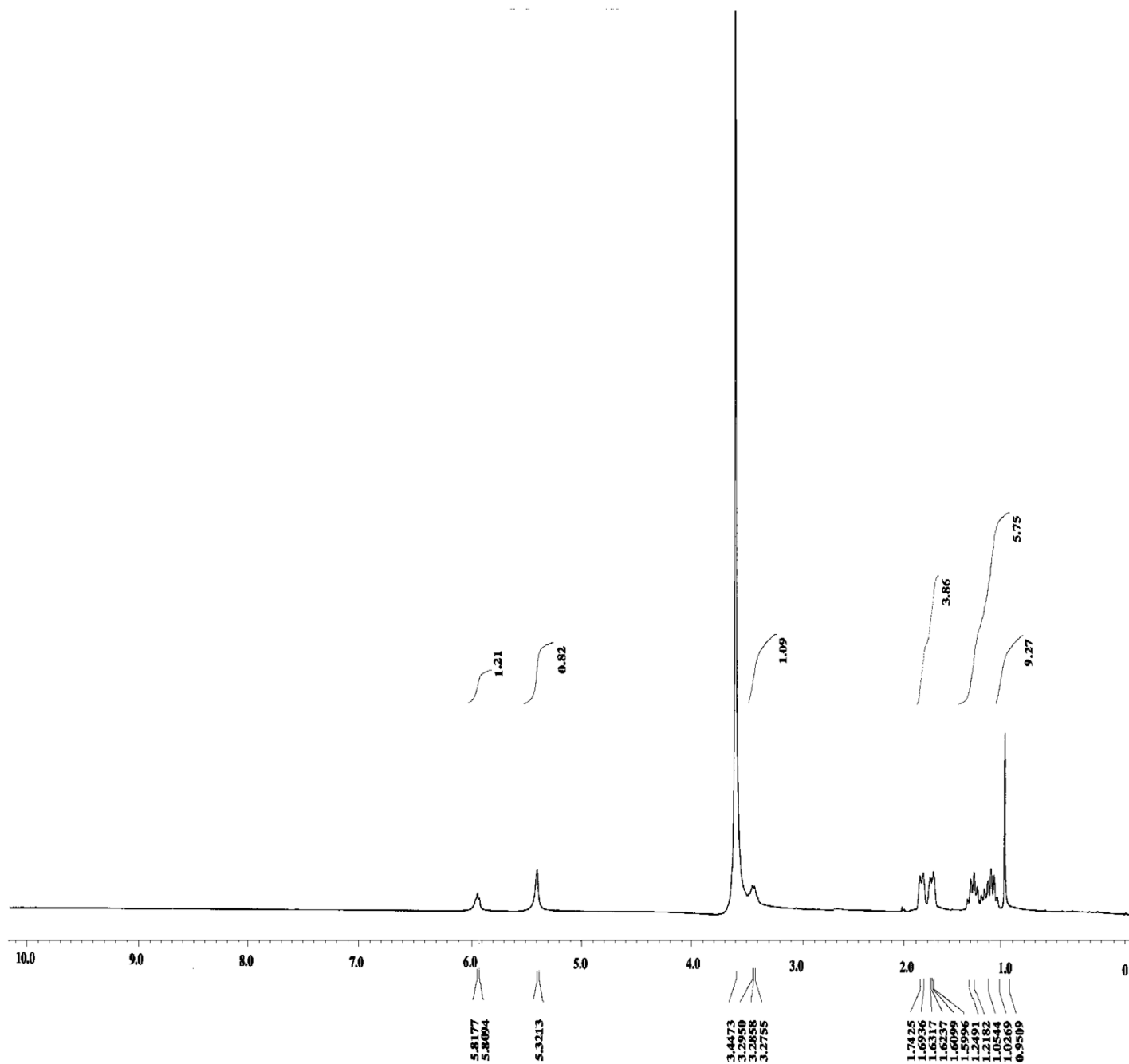
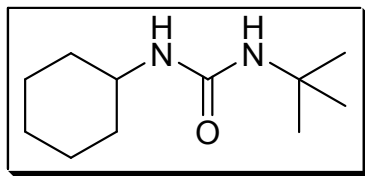
Compound 3n. ^1H NMR Spectrum (CDCl_3).



Compound 3n. ^{13}C NMR Spectrum (CDCl_3).



Compound 30. ^1H NMR Spectrum (DMSO- d_6).



Compound 3o. ^{13}C NMR Spectrum (DMSO- d_6).

