

Design, Synthesis and Biological Evaluation of Fluorescent Ligands for MT₁ and/or MT₂ Melatonin Receptors

G. Viault,^a S. Poupart,^a S. Mourlevat,^b C. Lagaraine,^b S. Devavry,^b F. Lefoulon,^c V. Bozon,^b L. Dufourny,^b P. Delagrange,^d G. Guillaumet,^a and F. Suzenet^a

a. Institut de Chimie Organique et Analytique, Université d'Orléans, UMR CNRS 7311, B.P. 6759, 45067 Orléans Cedex 2, France.

b. PRC, INRA, CNRS, IFCE, Université de Tours, 37380 Nouzilly, France.

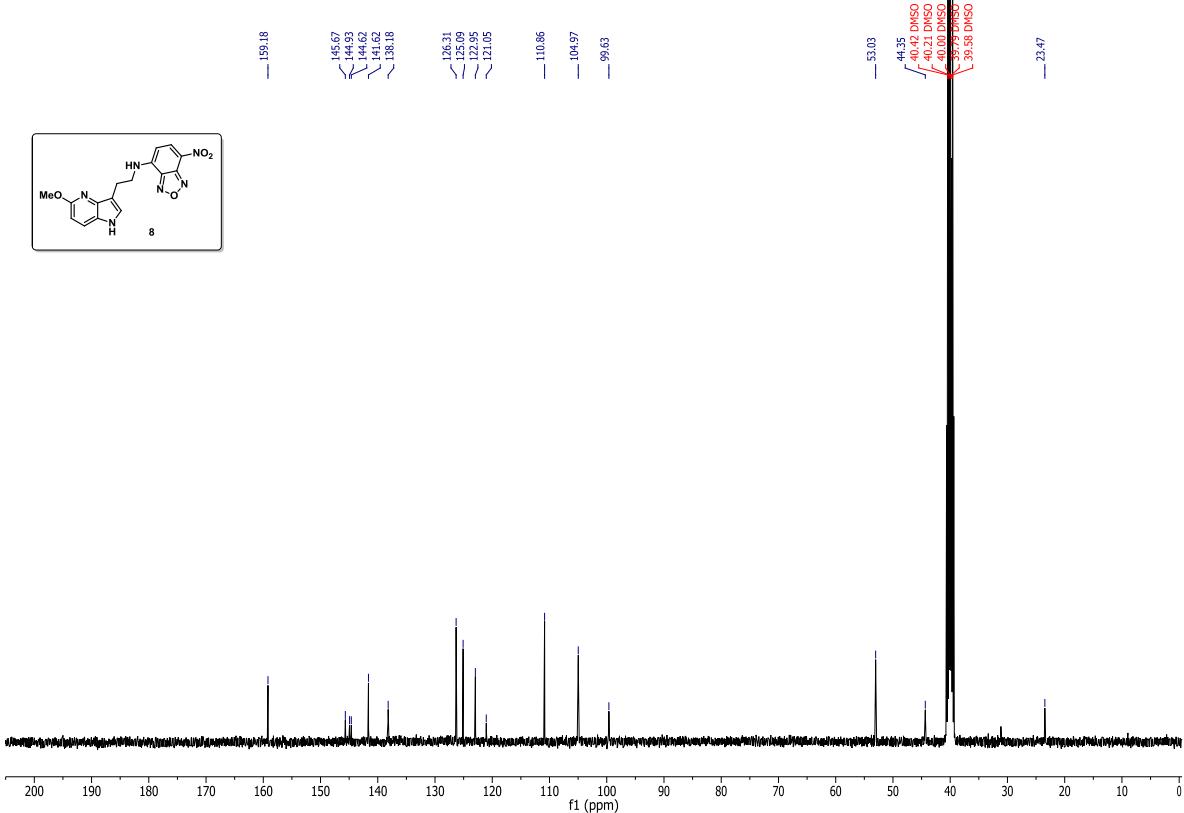
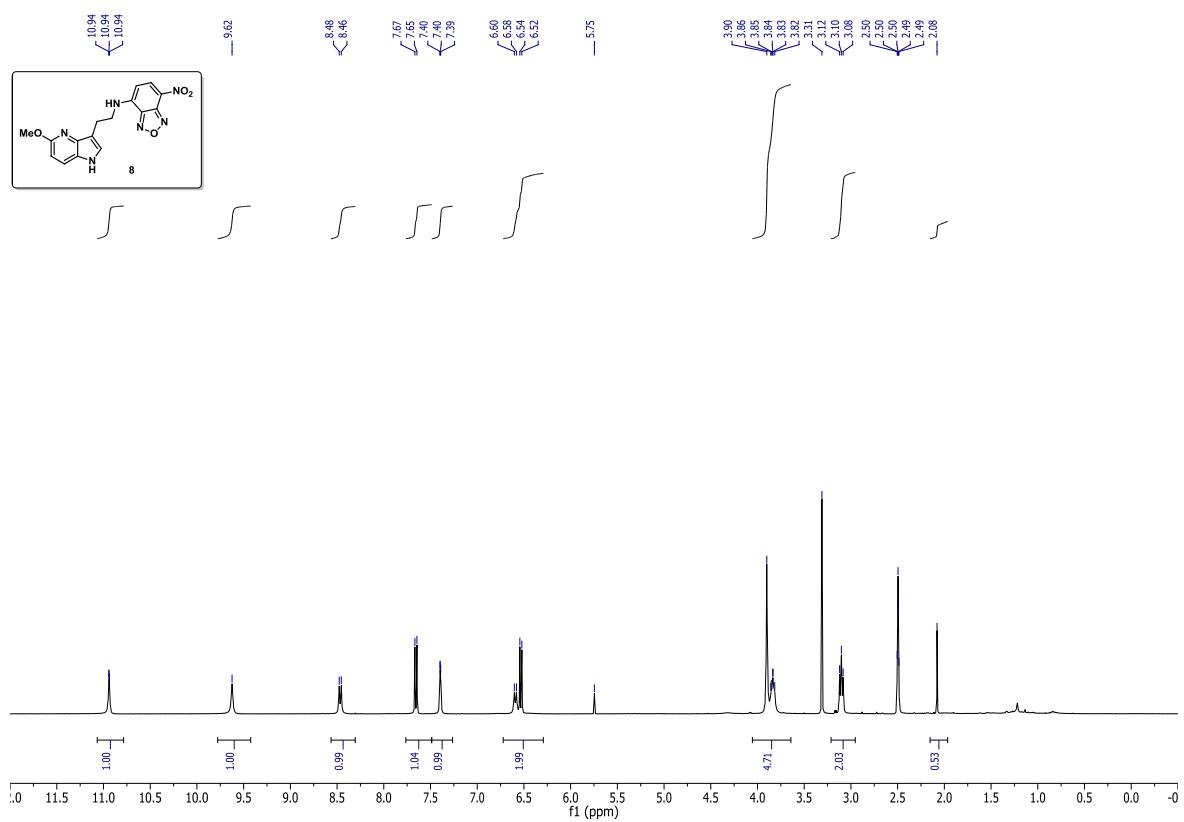
c. Technologie SERVIER, 27 rue Vignat, Orléans 45000, France.

d. Institut de Recherche Servier, Sciences Expérimentales, 125 Chemin de Ronde, 78290 Croissy, France.

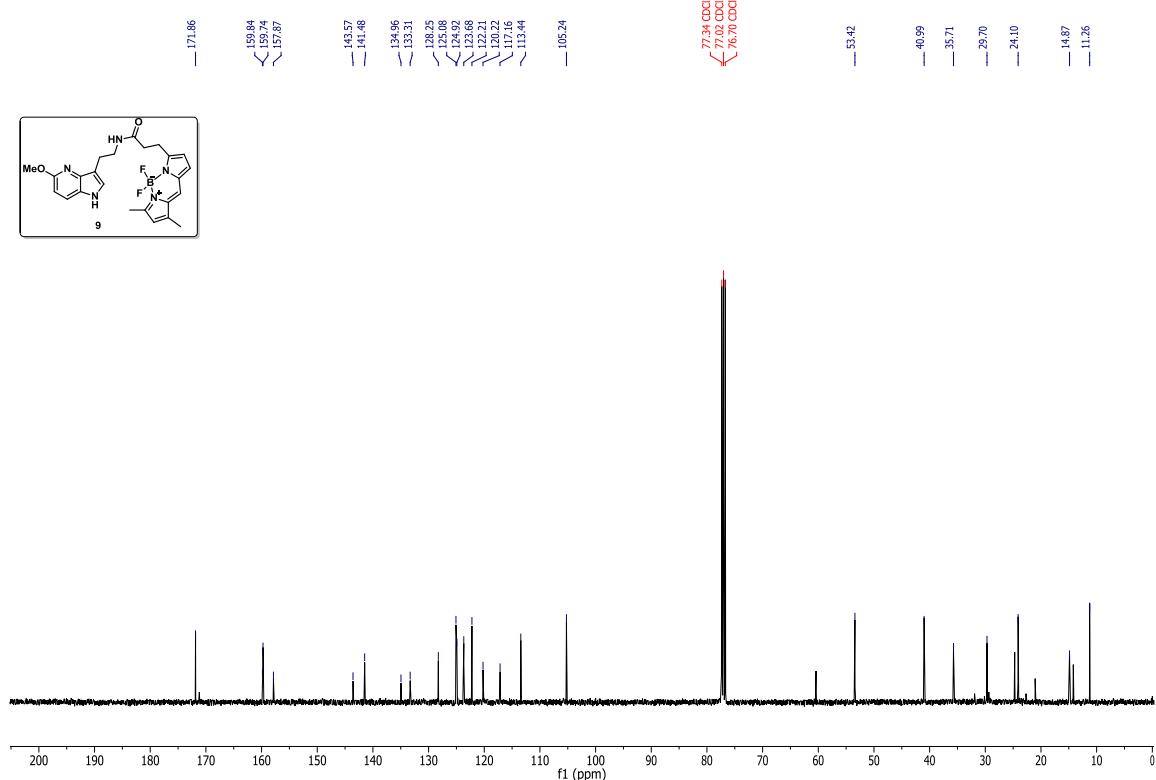
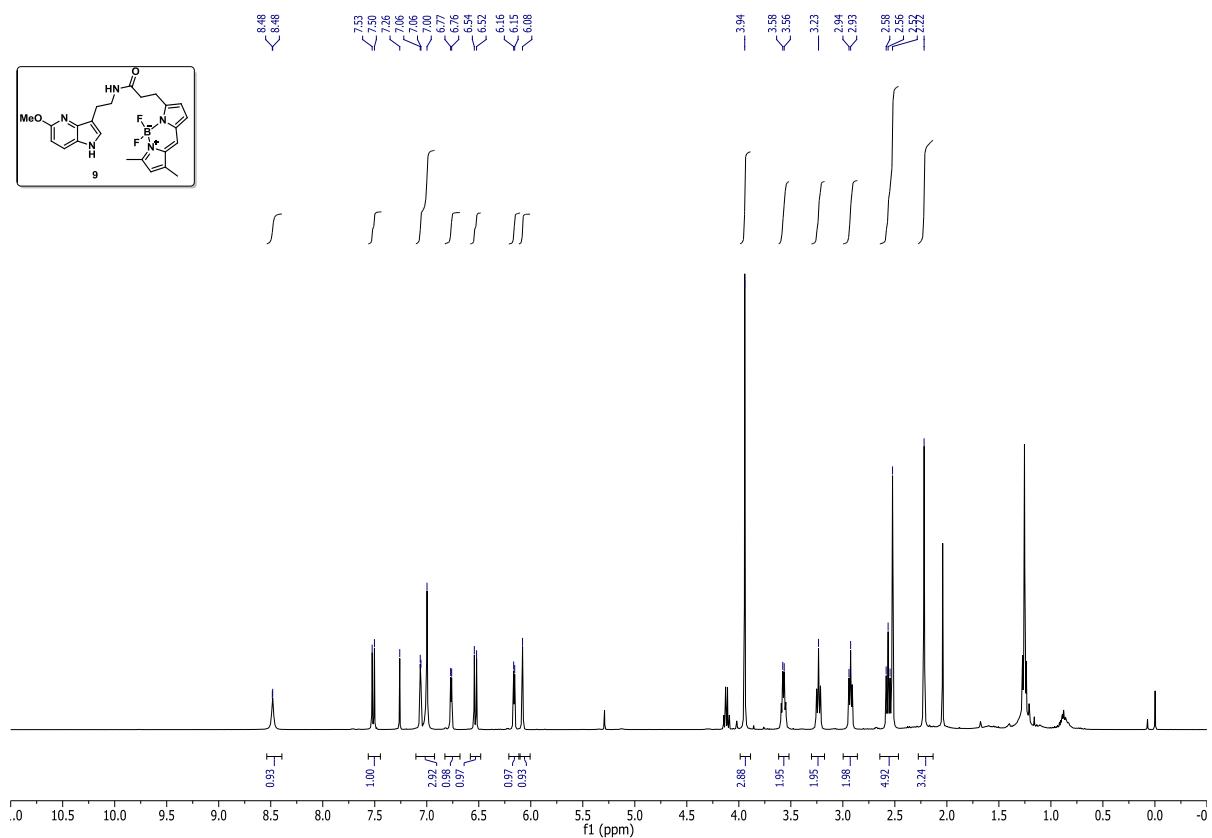
¹H and ¹³C NMR spectra for compounds **8, 9, 13-16, 18, 20, 26-30, 32, 34-37**.....S2

Absorption and emission spectra for compounds **8, 9, 13-16, 18, 20, 26-30, 32, 34-37**.....S24

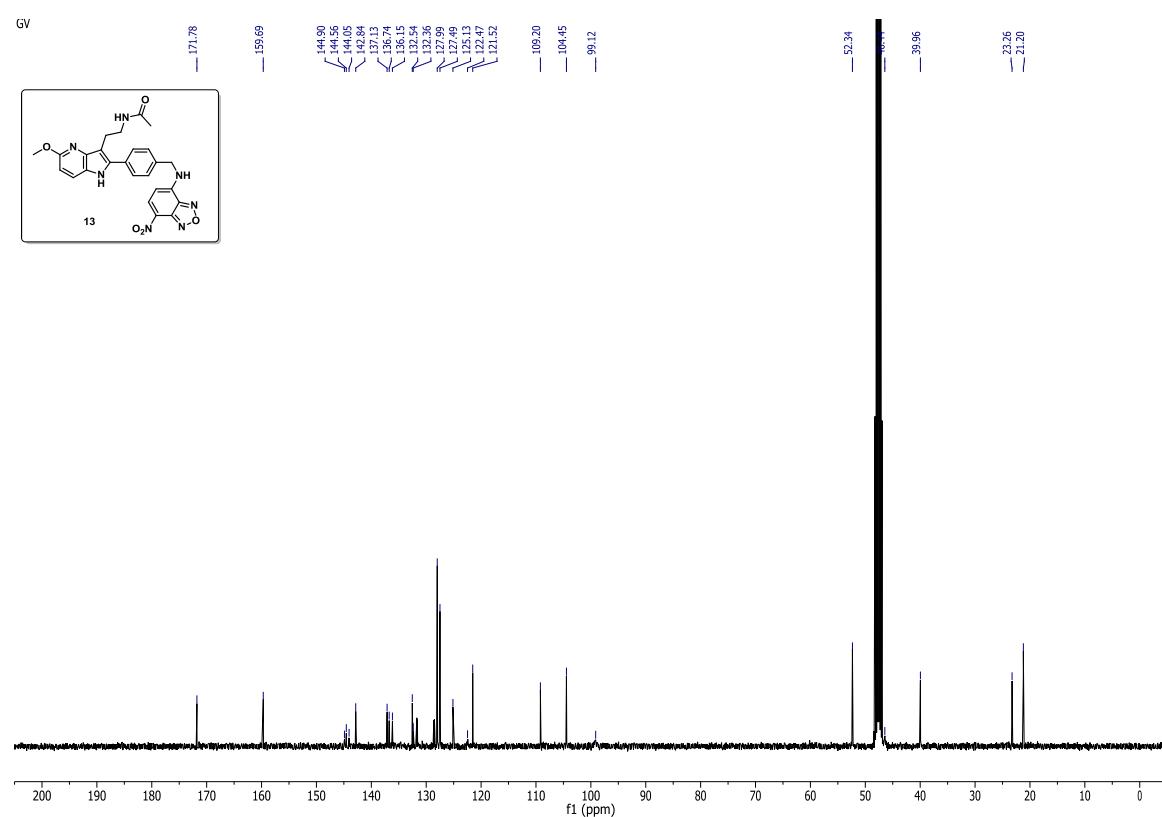
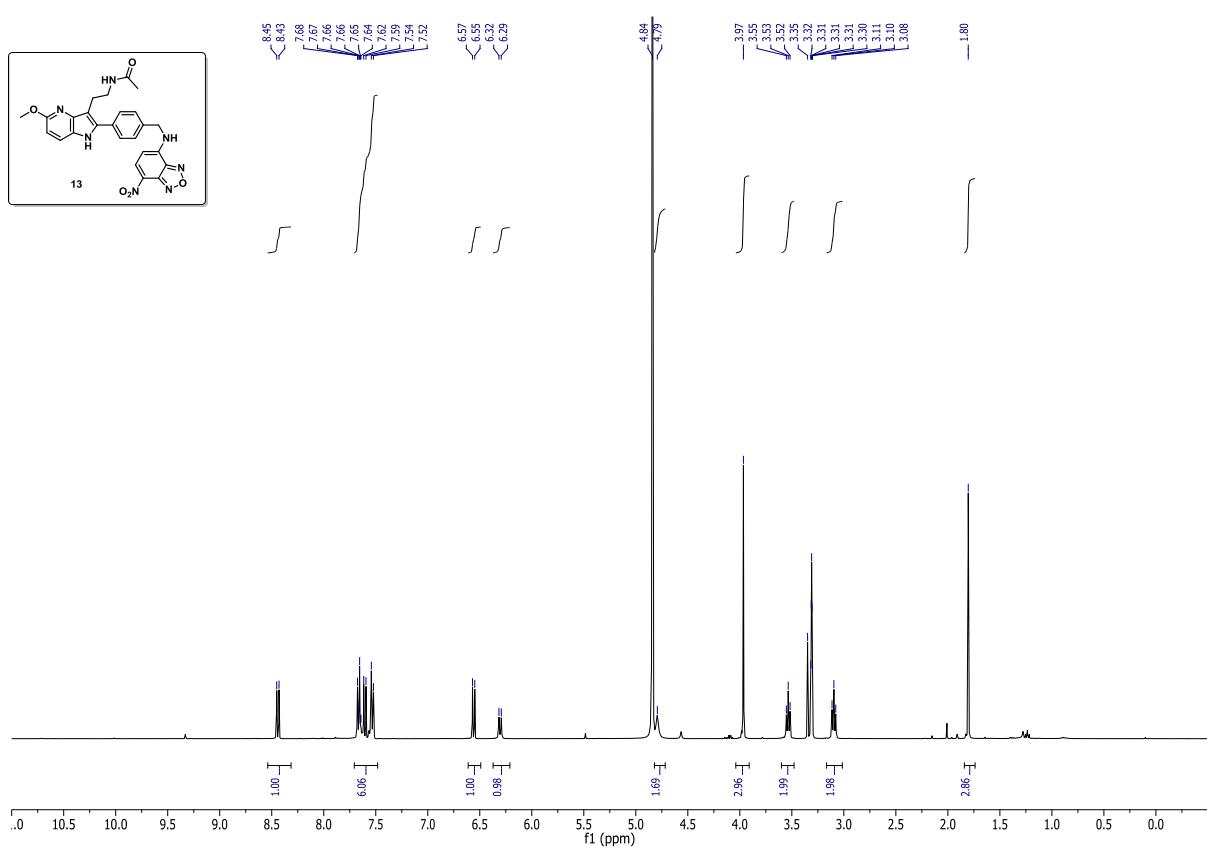
¹H and ¹³C NMR spectra for compound 8



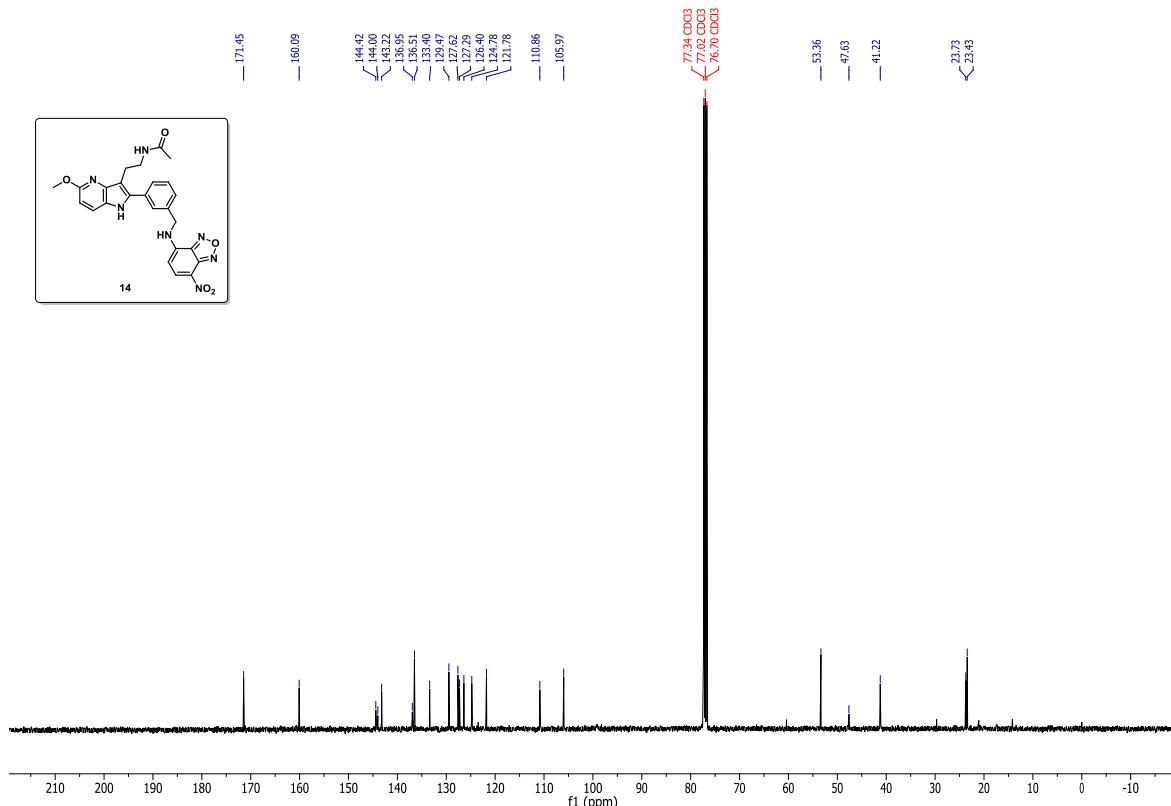
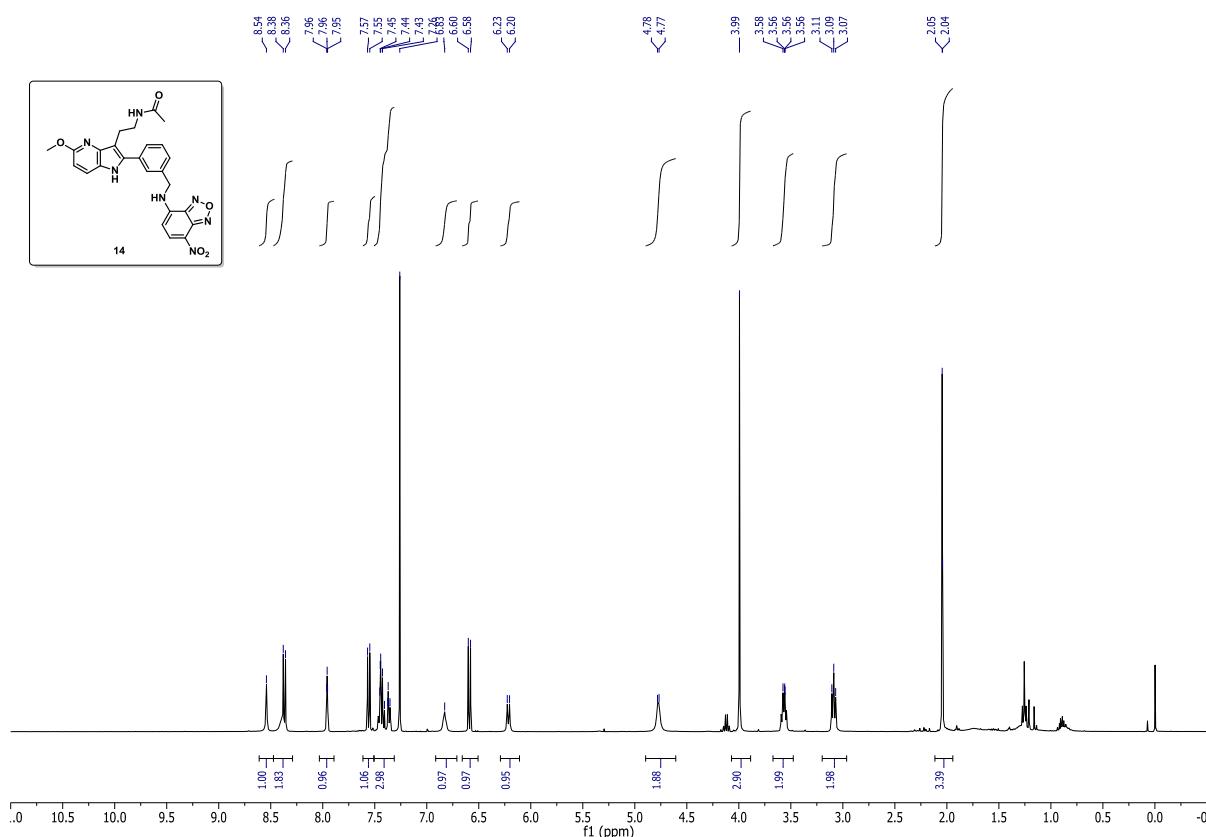
¹H and ¹³C NMR spectra for compound 9



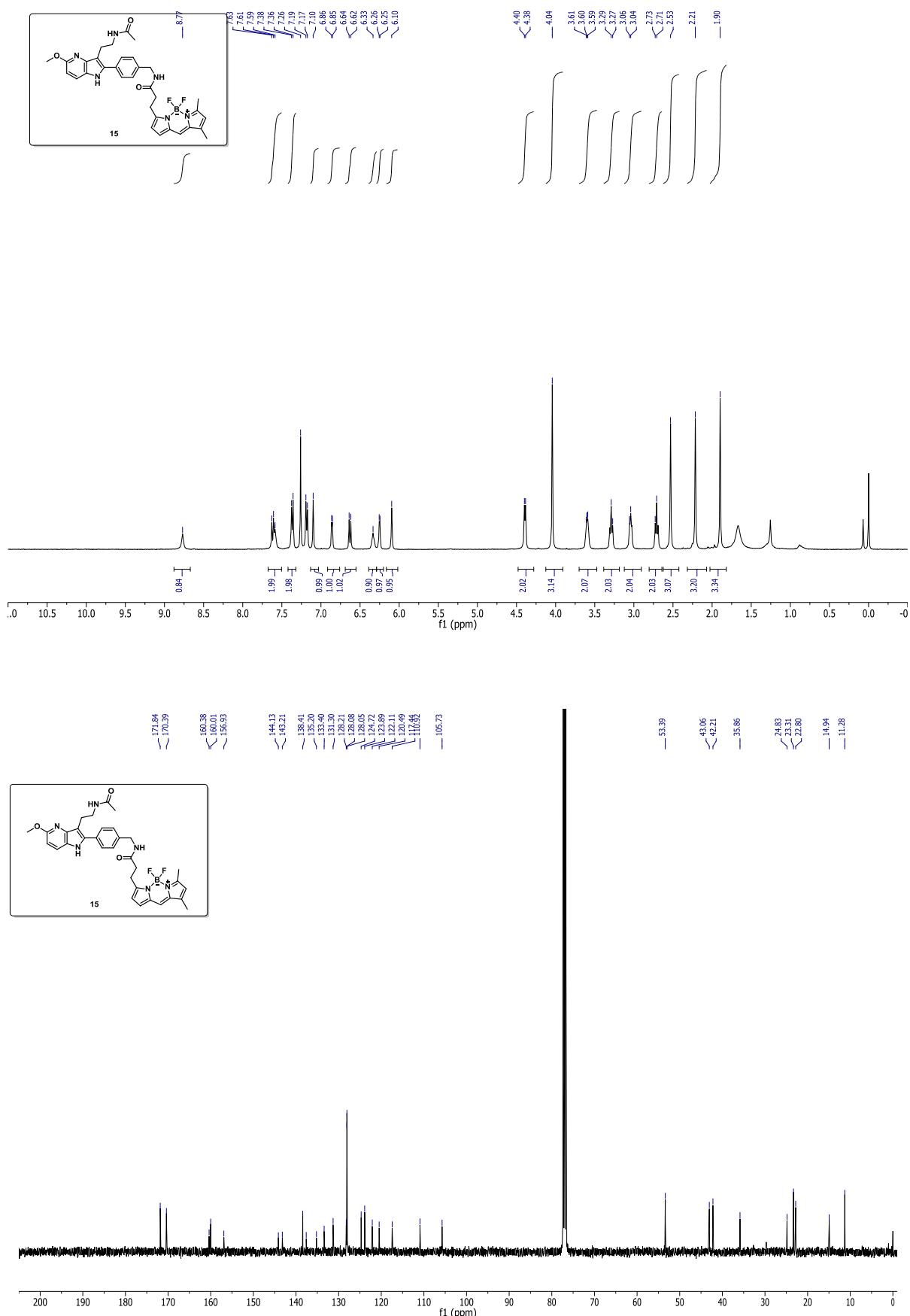
¹H and ¹³C NMR spectra for compound **13**



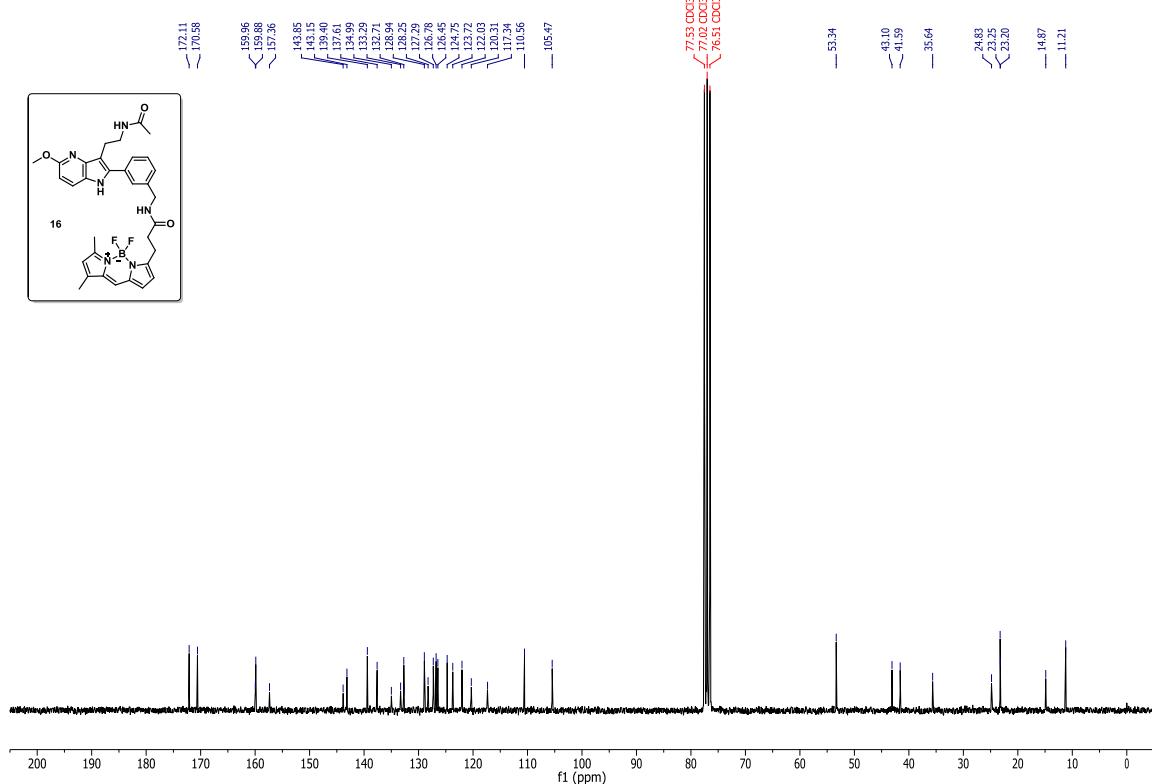
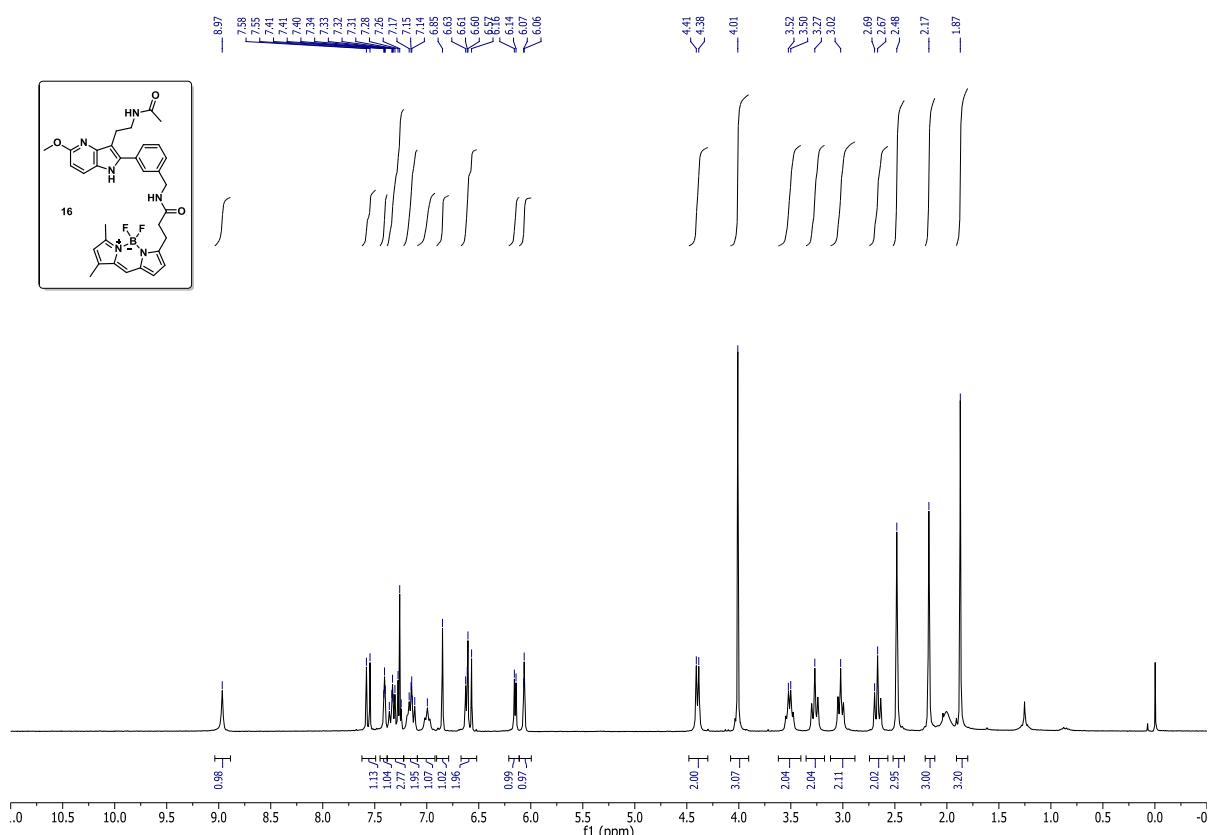
¹H and ¹³C NMR spectra for compound 14



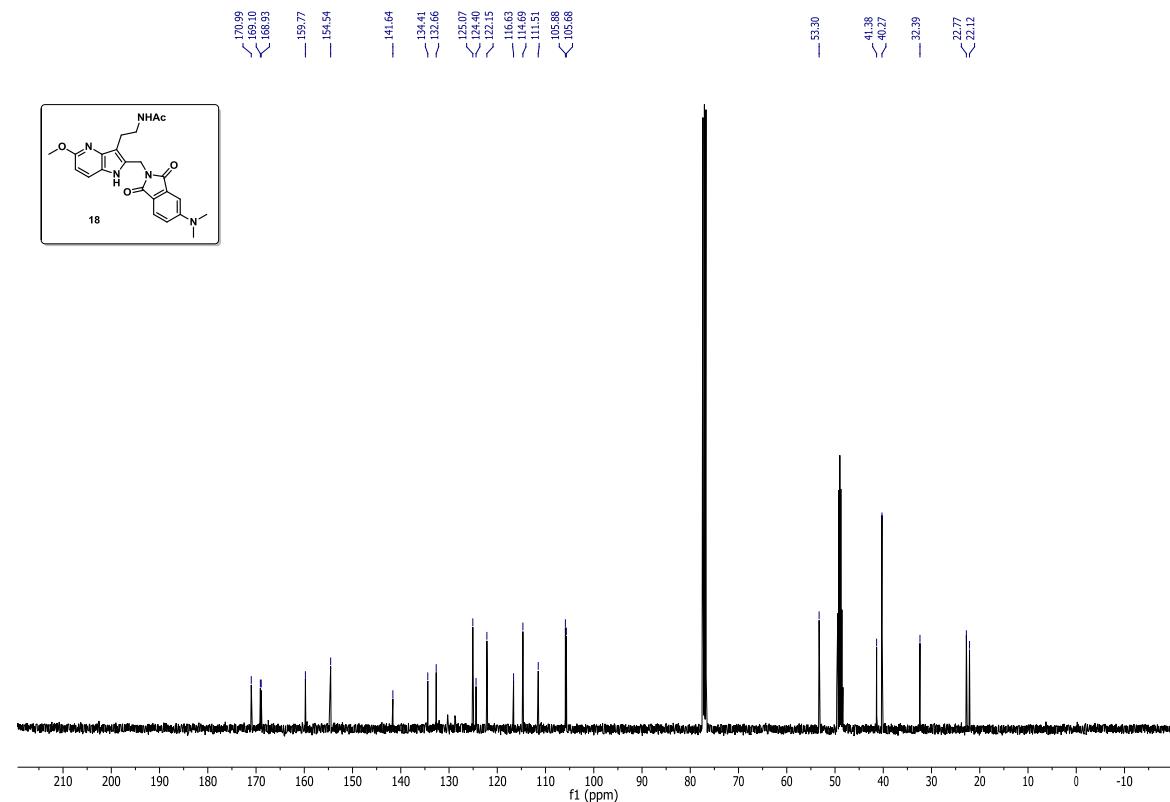
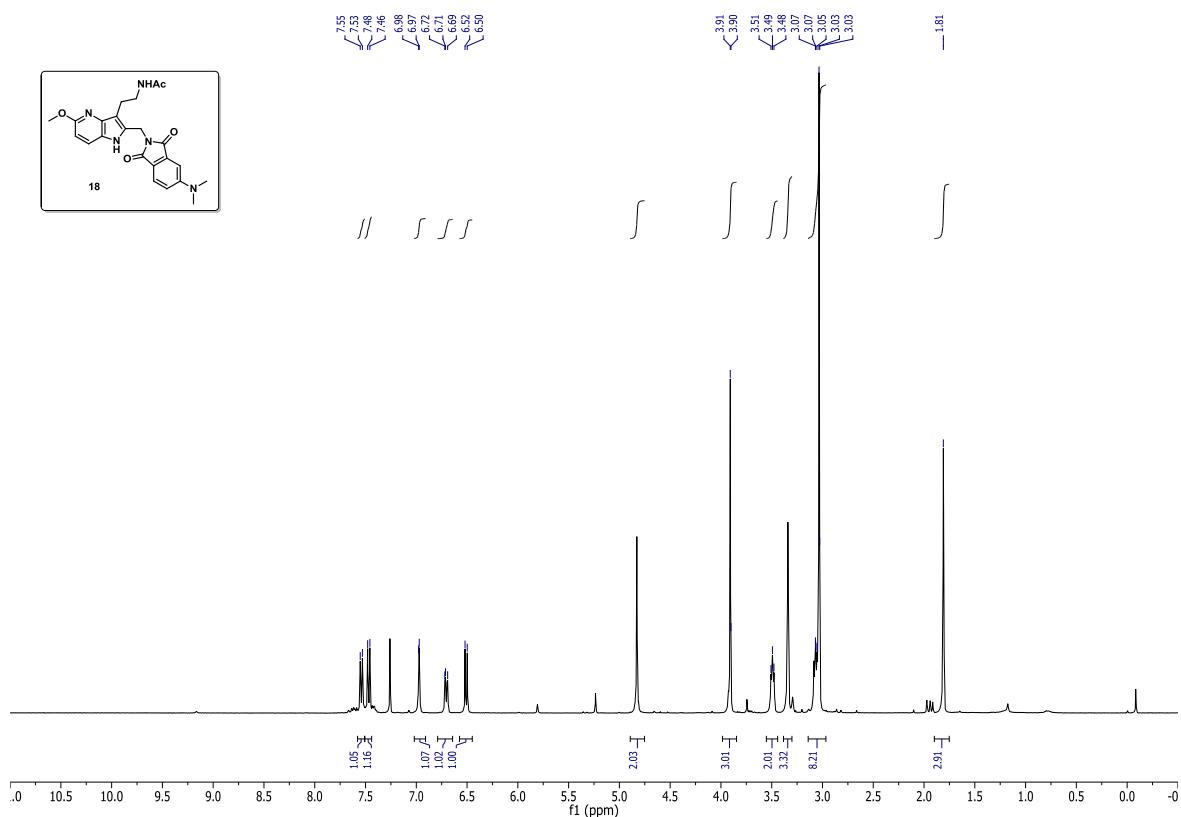
¹H and ¹³C NMR spectra for compound 15



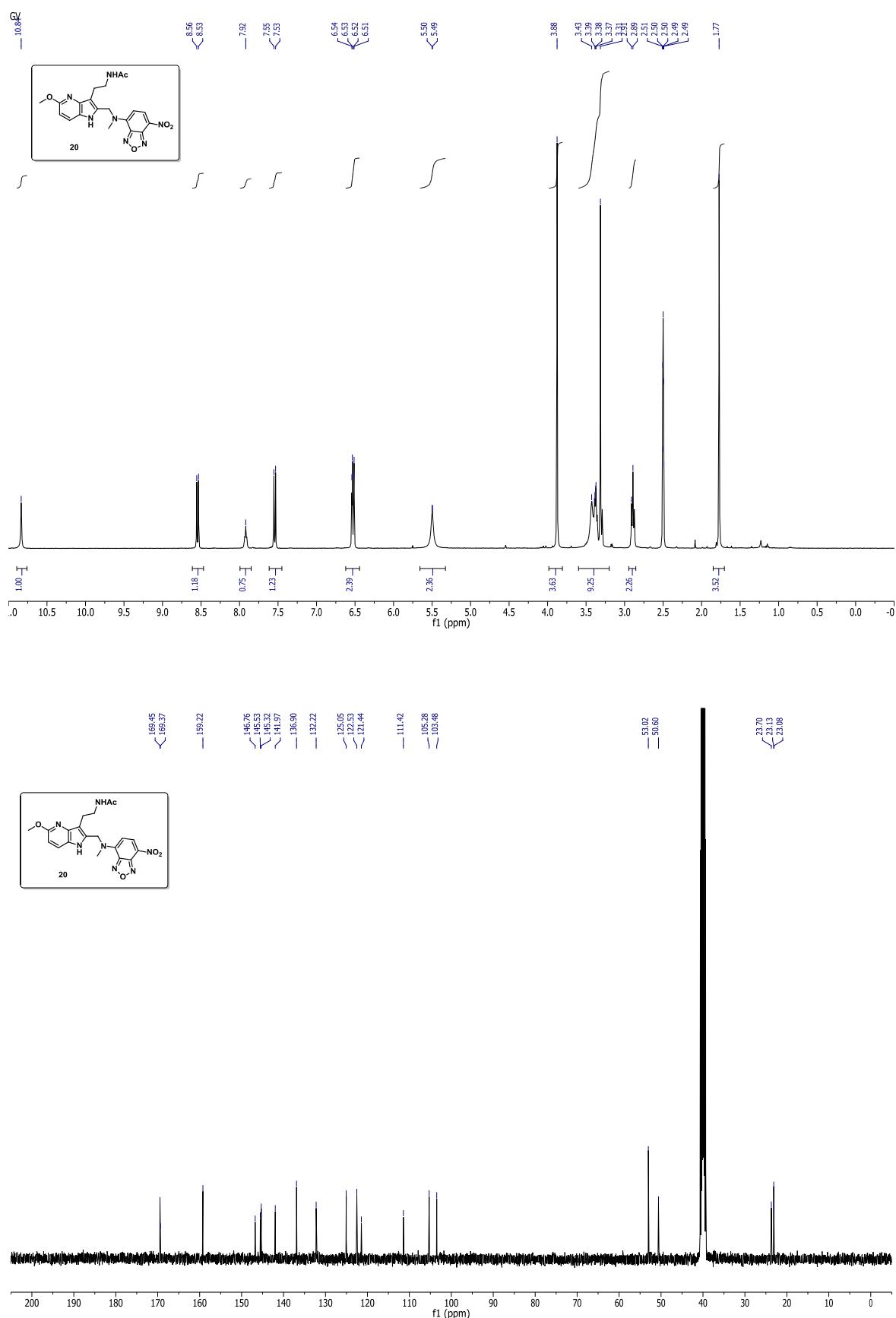
¹H and ¹³C NMR spectra for compound 16



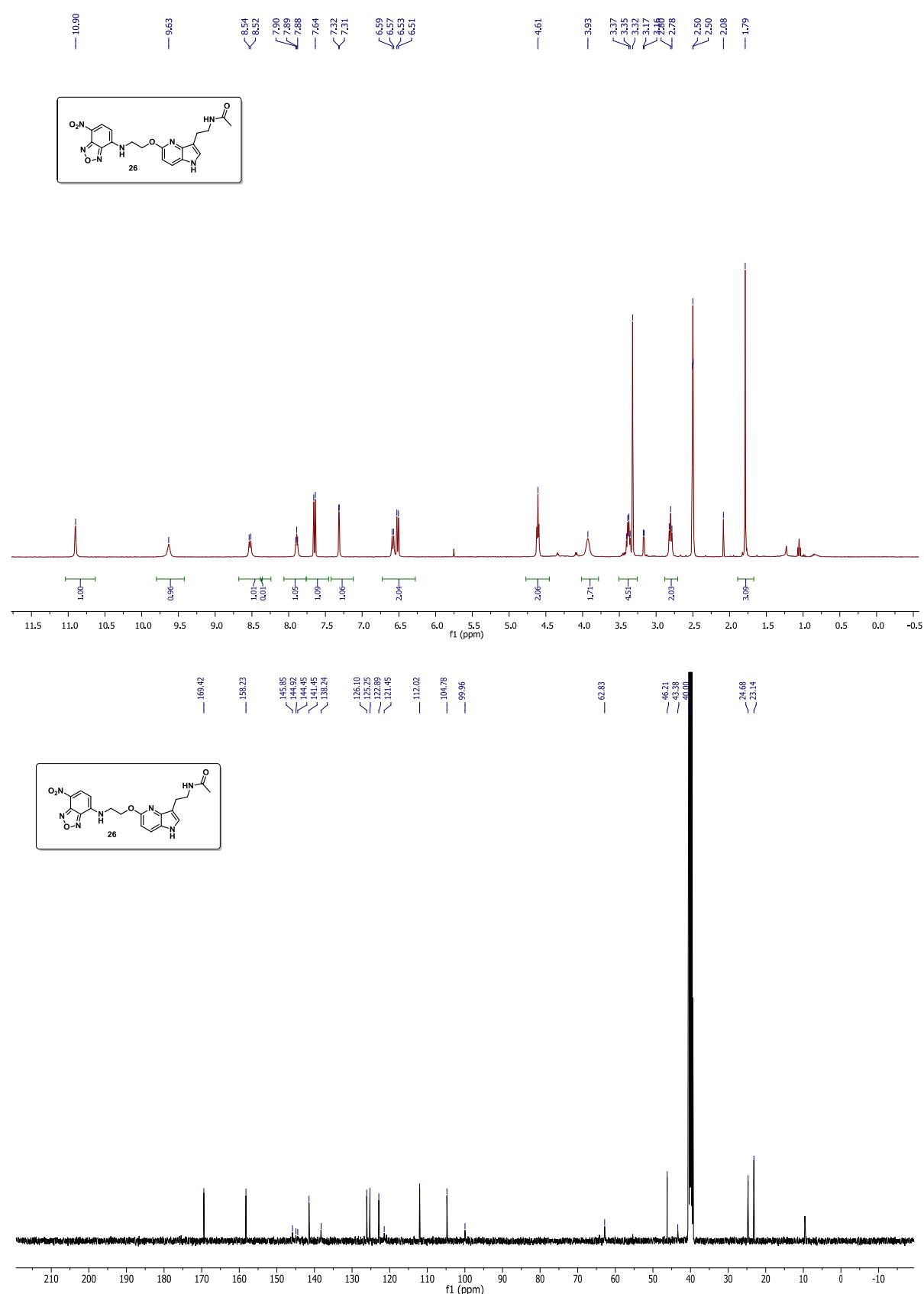
¹H and ¹³C NMR spectra for compound 18



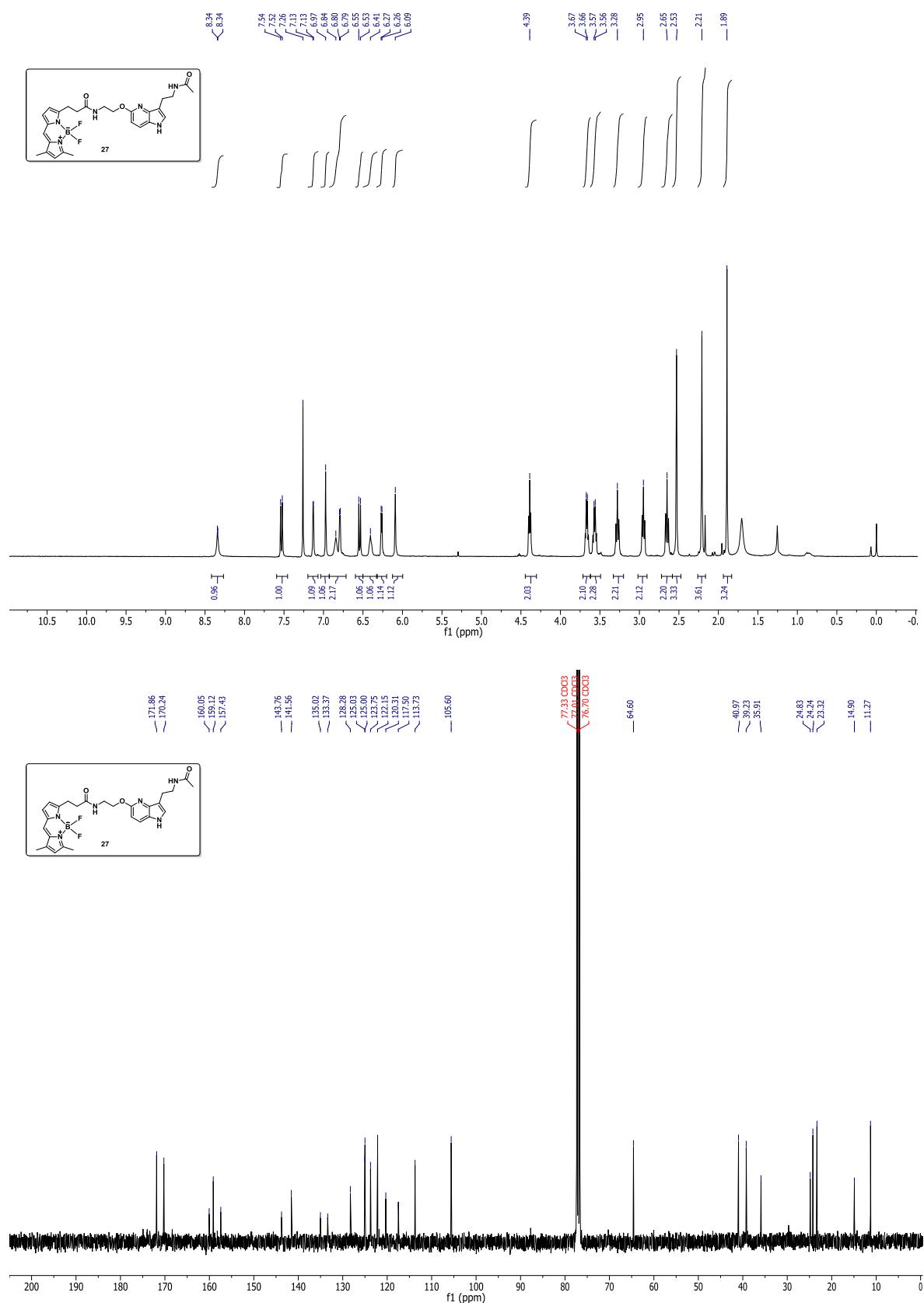
¹H and ¹³C NMR spectra for compound 20



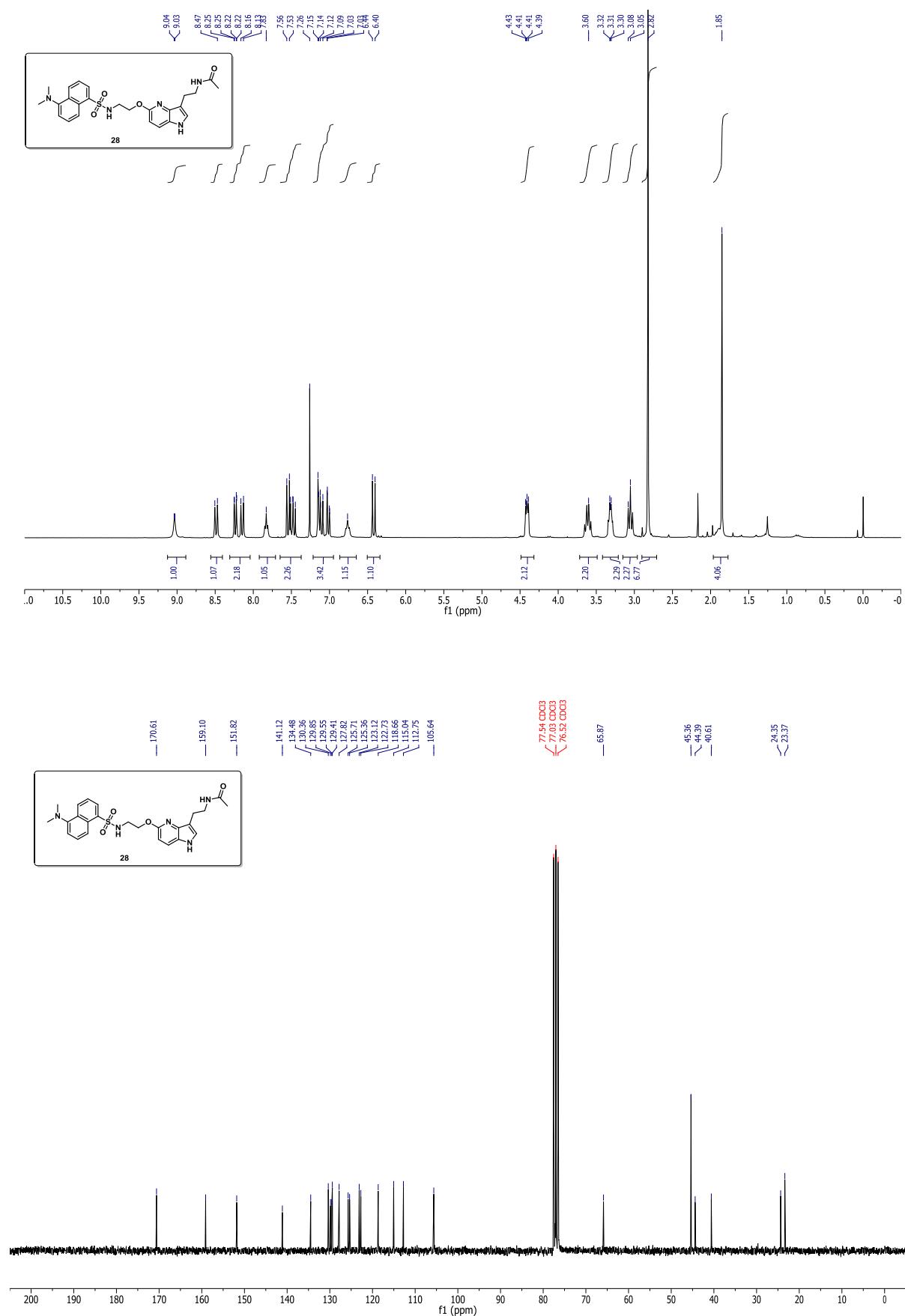
¹H and ¹³C NMR spectra for compound 26



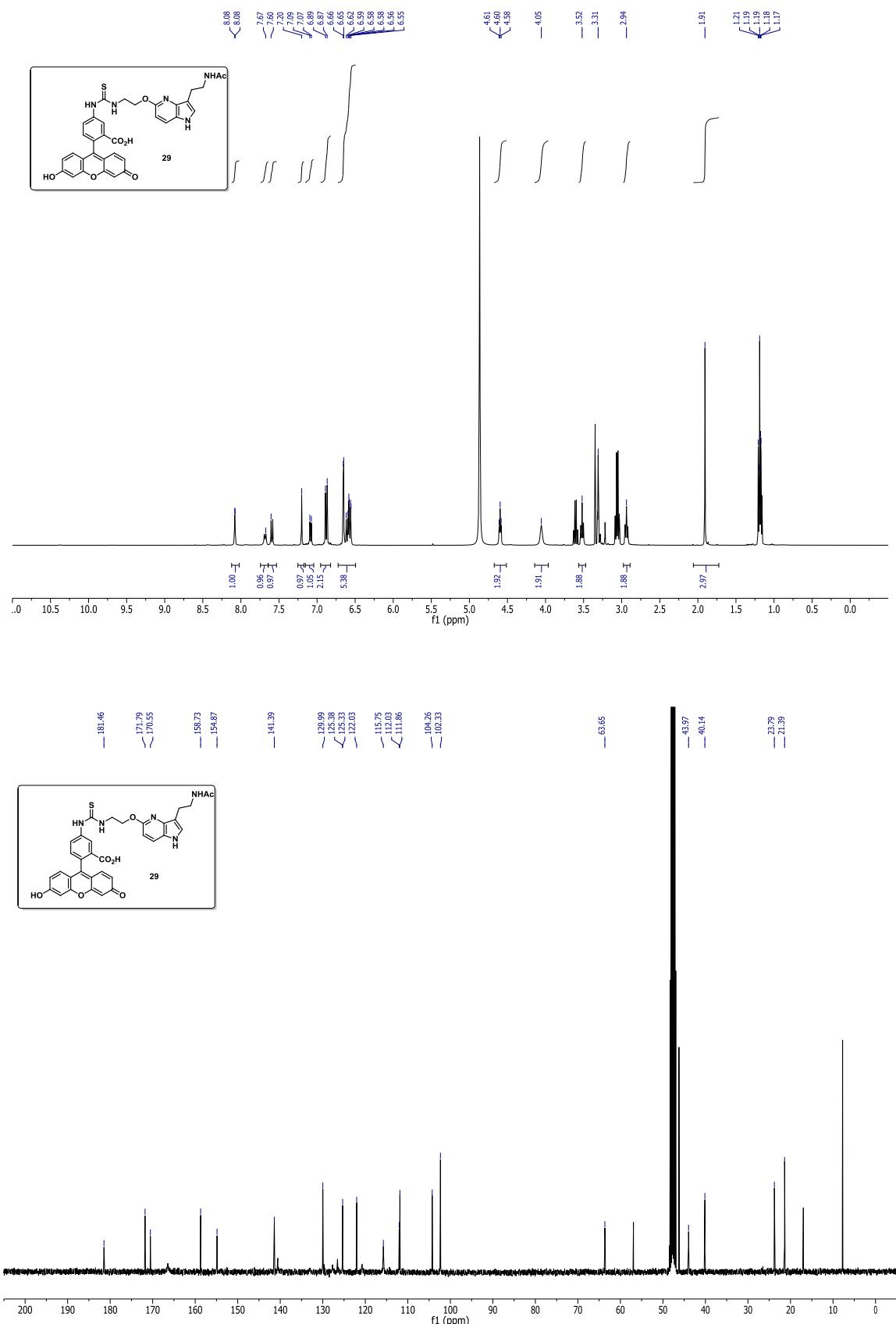
¹H and ¹³C NMR spectra for compound 27



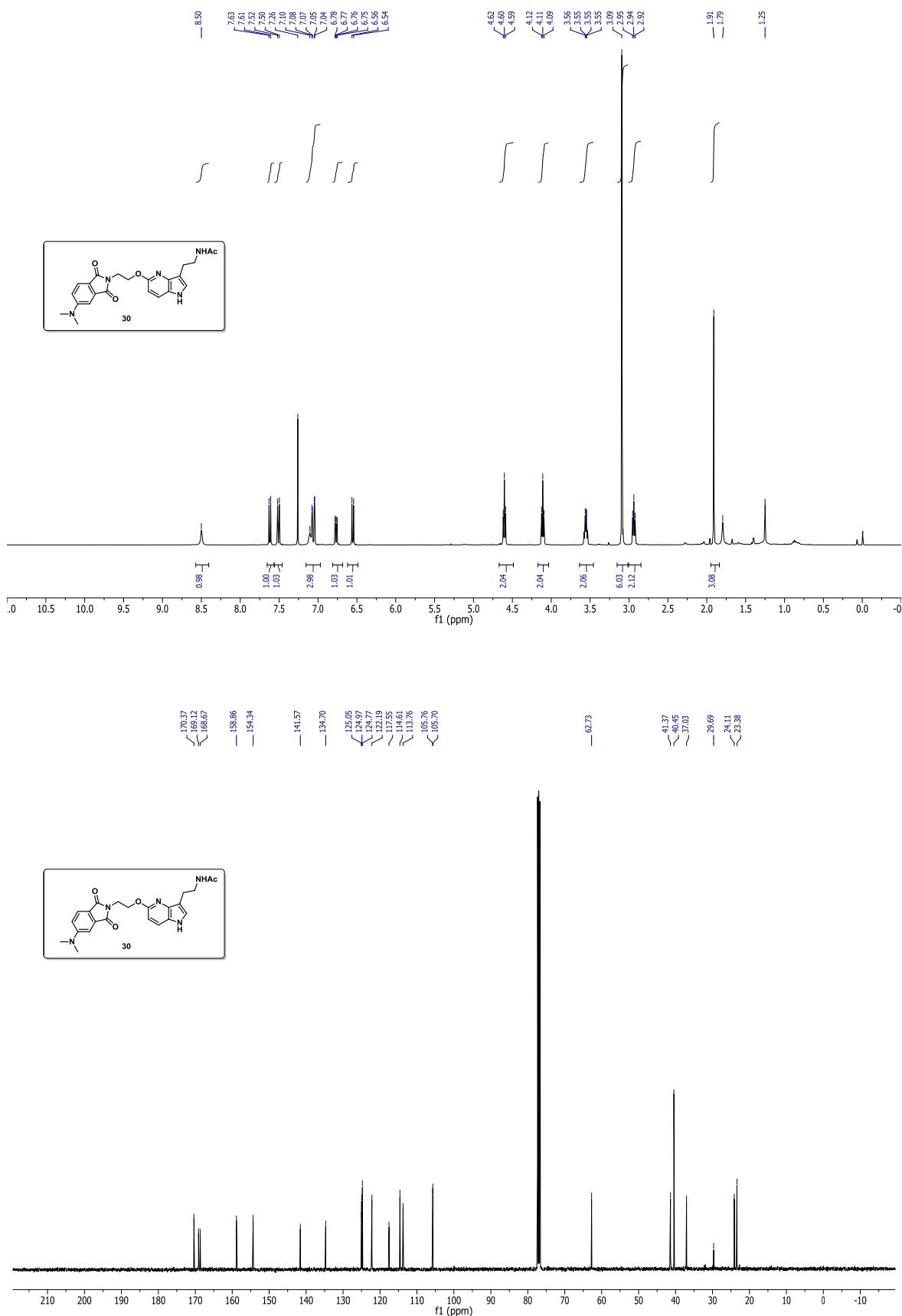
¹H and ¹³C NMR spectra for compound 28



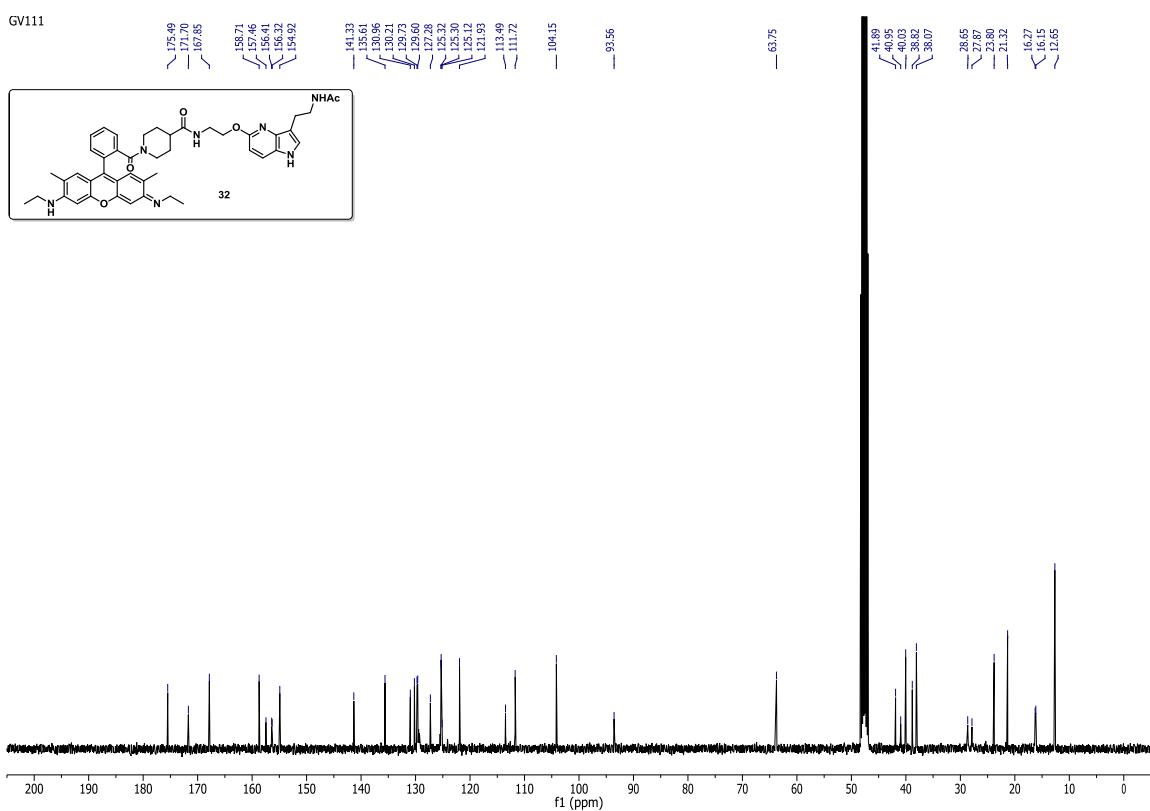
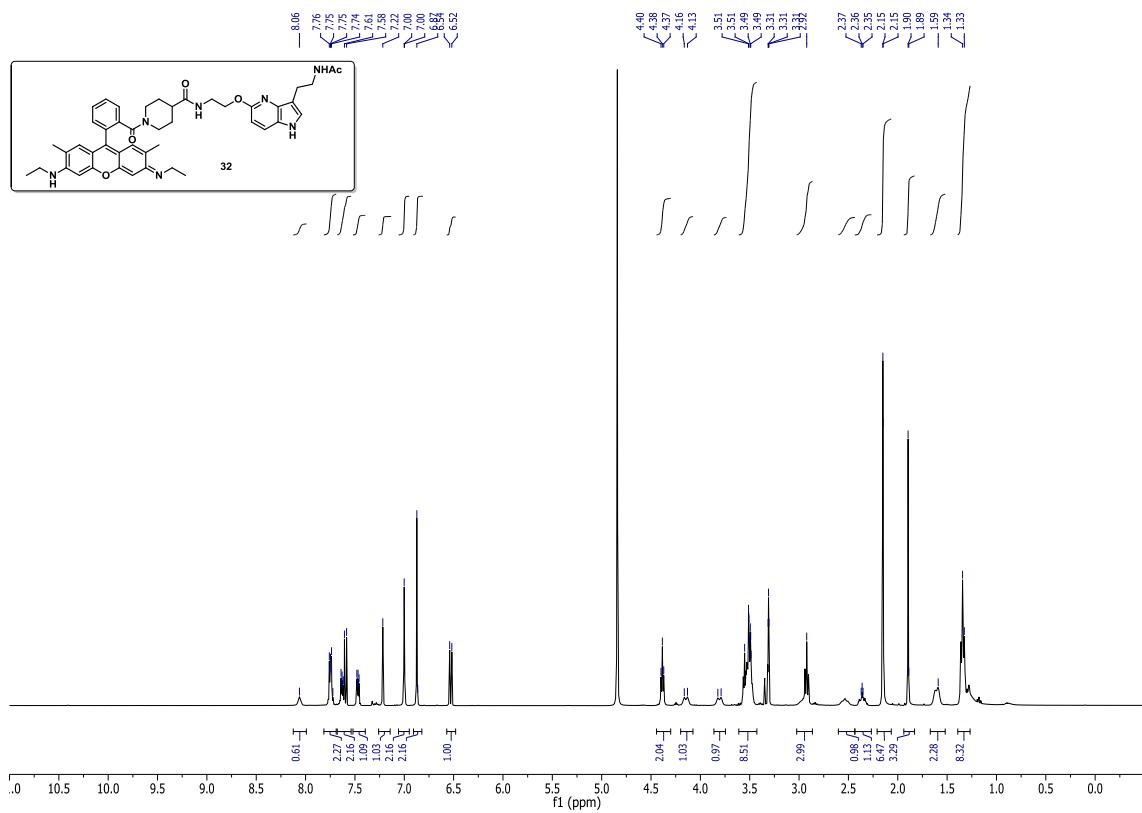
¹H and ¹³C NMR spectra for compound 29



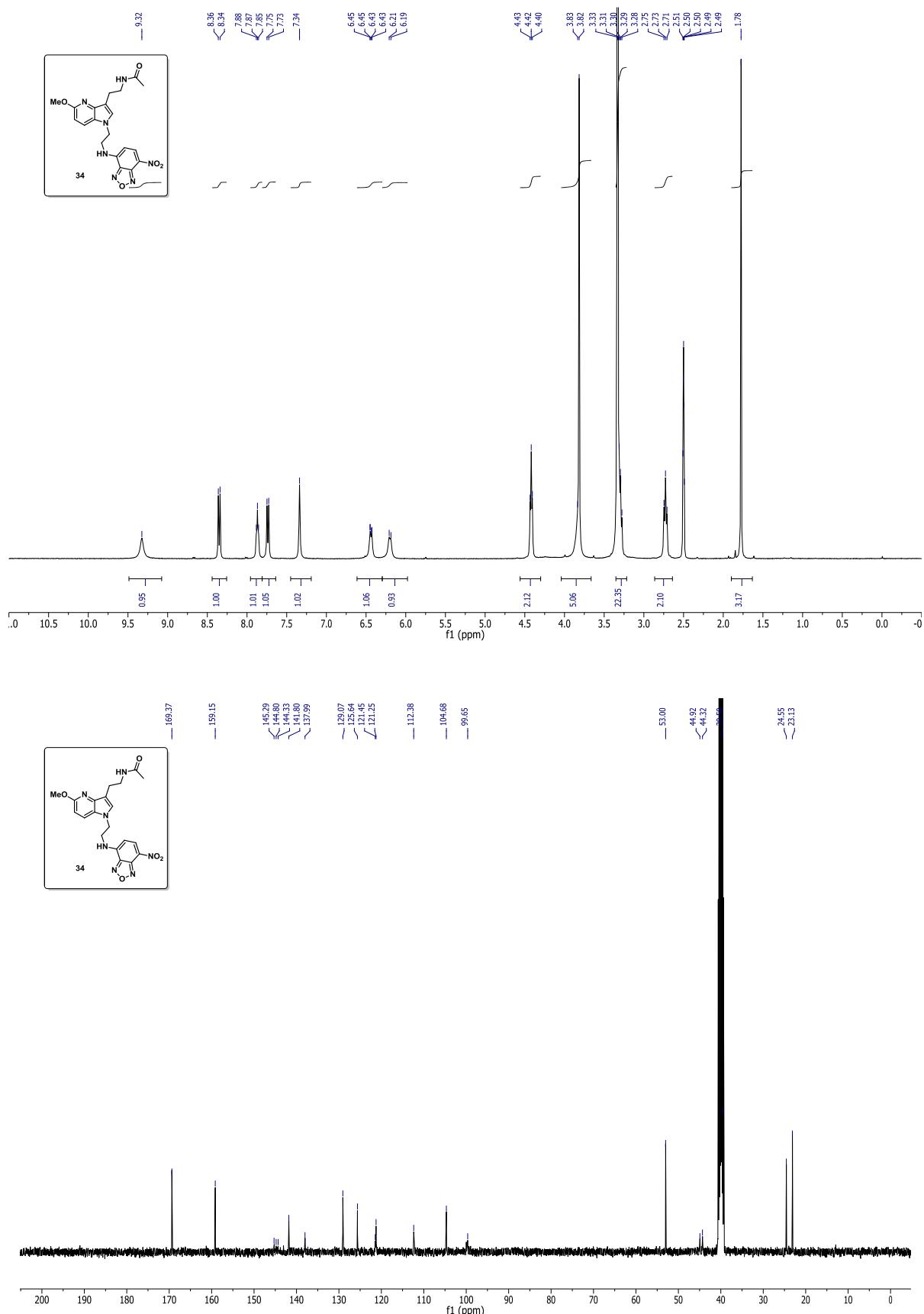
¹H and ¹³C NMR spectra for compound 30



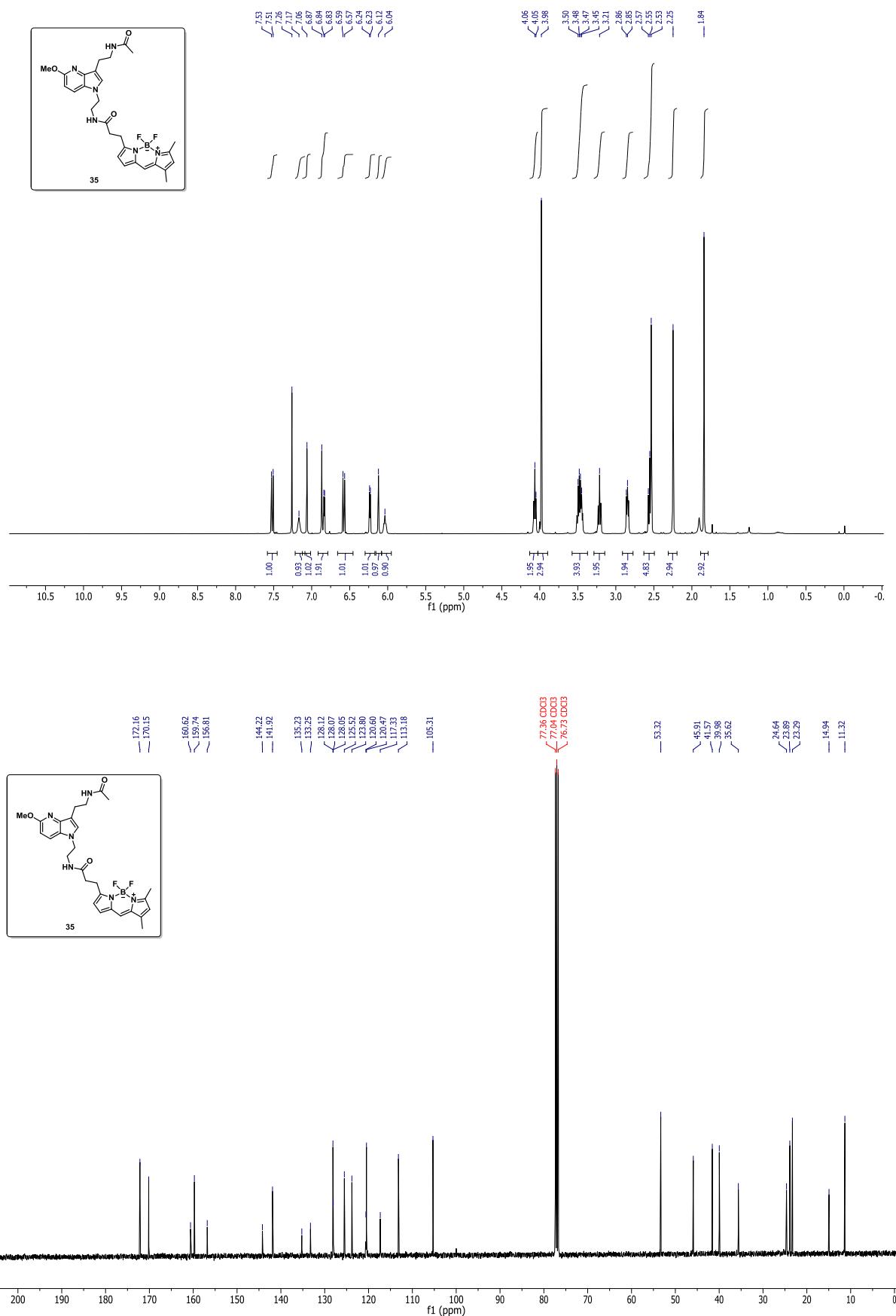
¹H and ¹³C NMR spectra for compound 32



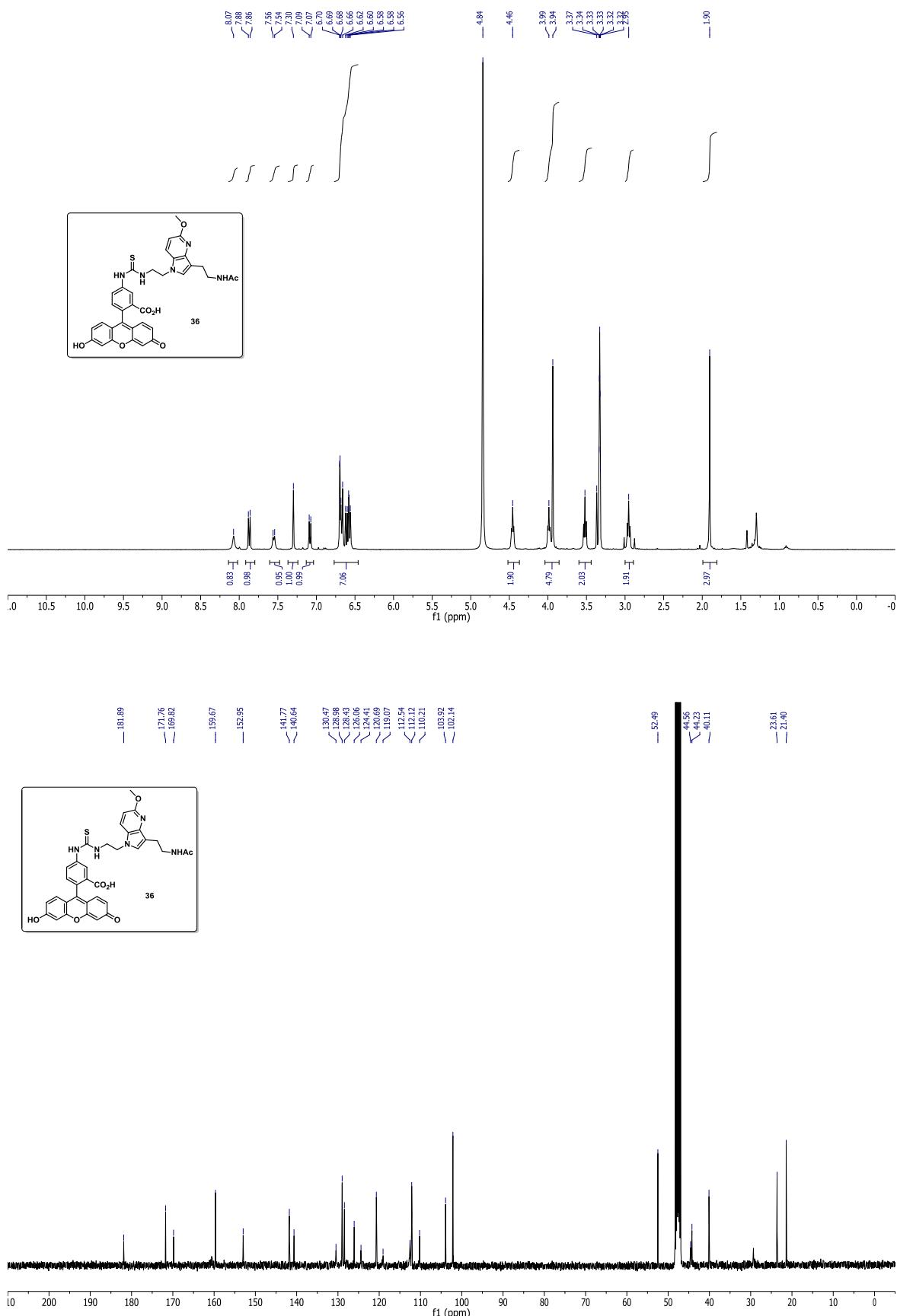
¹H and ¹³C NMR spectra for compound 34



¹H and ¹³C NMR spectra for compound 35



¹H and ¹³C NMR spectra for compound 36



¹H and ¹³C NMR spectra for compound 37

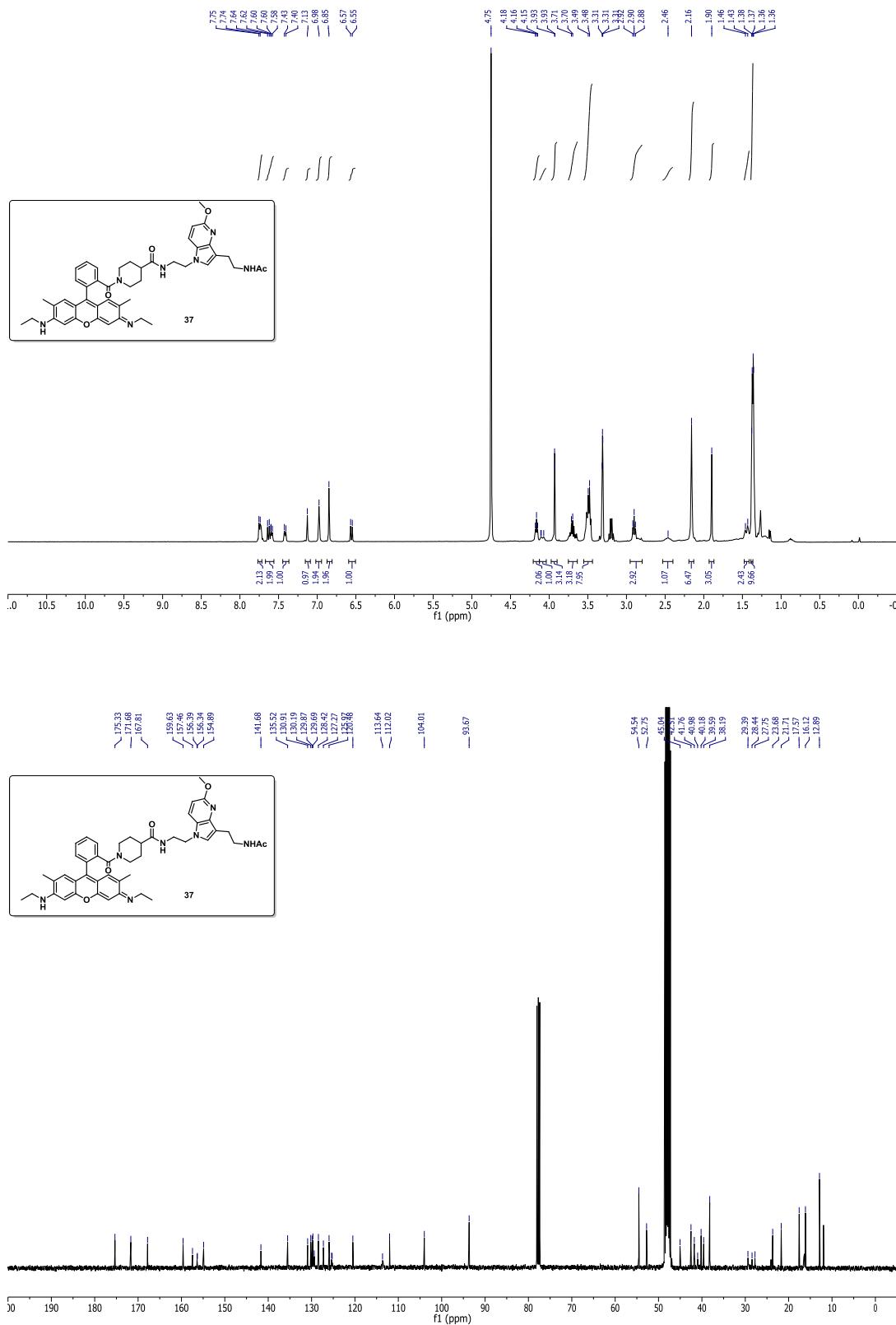


Fig. 1 Absorption and emission spectra of compounds **8** and **9** recorded in DMSO at 25 °C

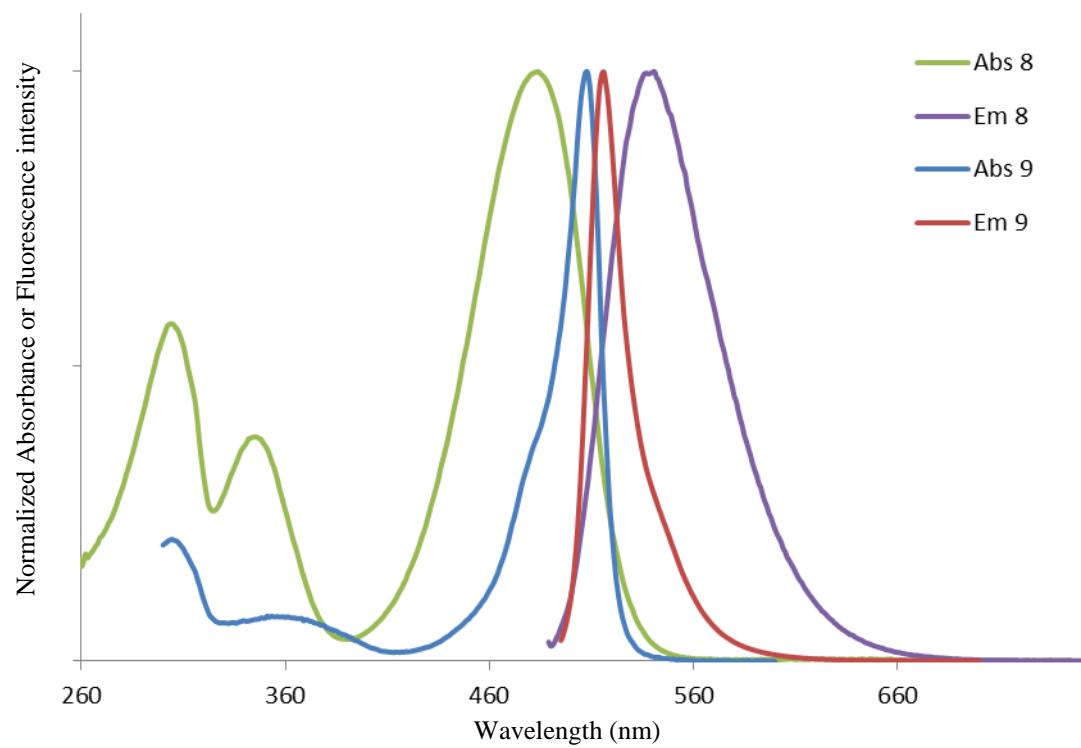


Fig. 2 Absorption and emission spectra of compounds **13**, **14**, **15**, **16**, **18** and **20** recorded in DMSO at 25 °C

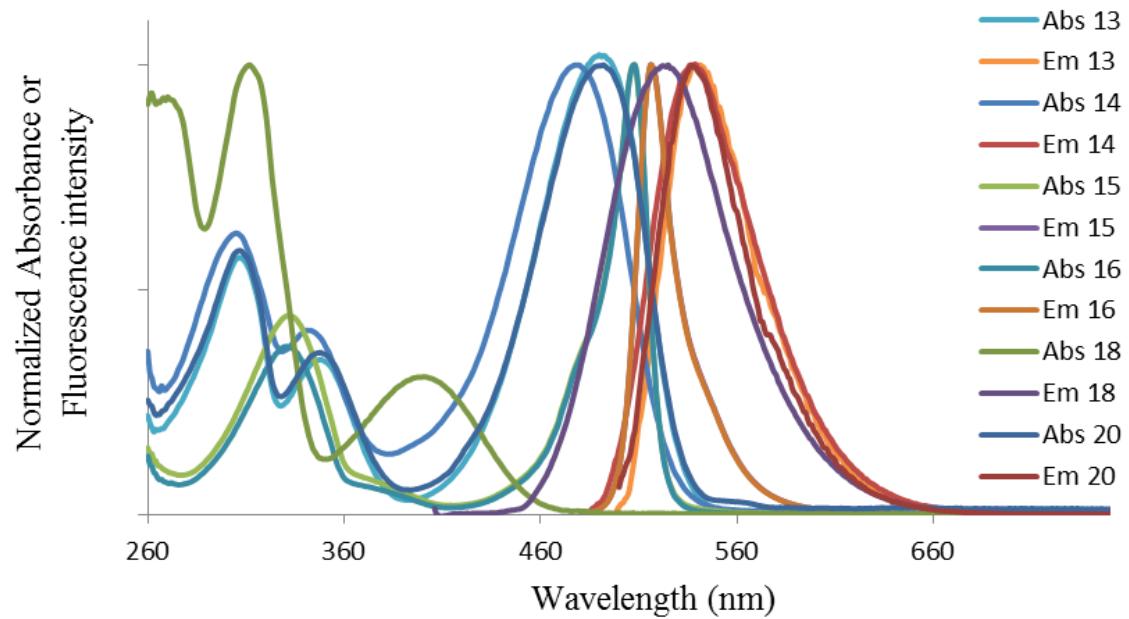


Fig. 3 Absorption and emission spectra of compounds **26**, **27**, **28**, **29**, **30** and **32** recorded in DMSO at 25 °C

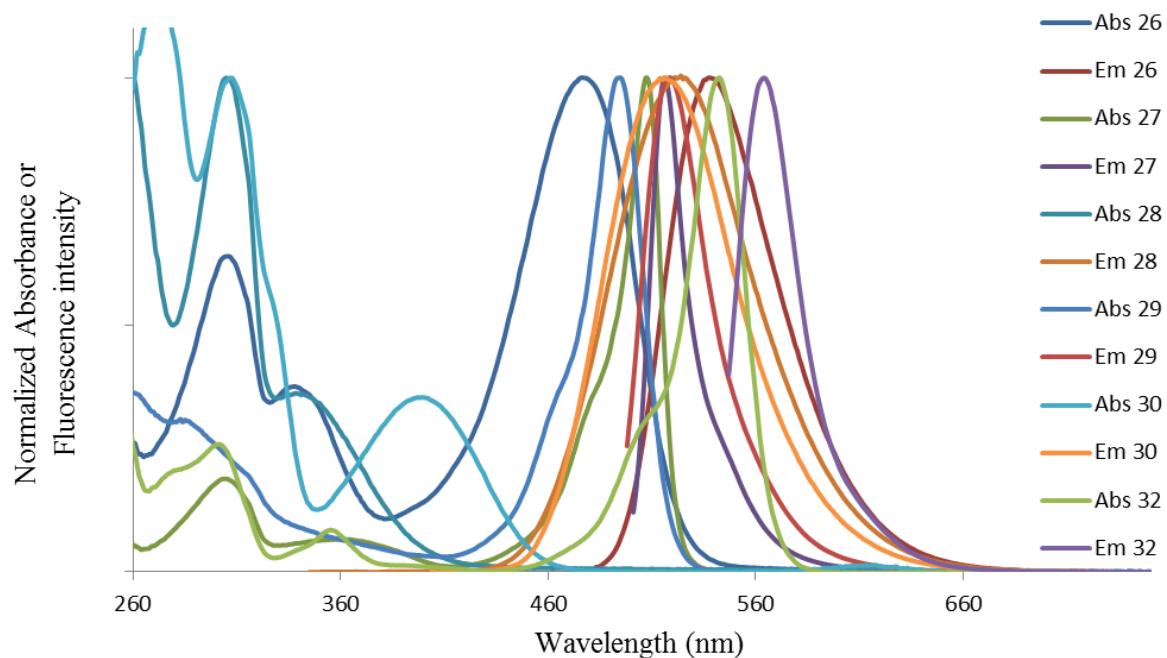


Fig. 4 Absorption and emission spectra of compounds **34**, **35**, **37** recorded in DMSO and **36** recorded in NaOH 0.1 M at 25 °C

