



Supporting Information

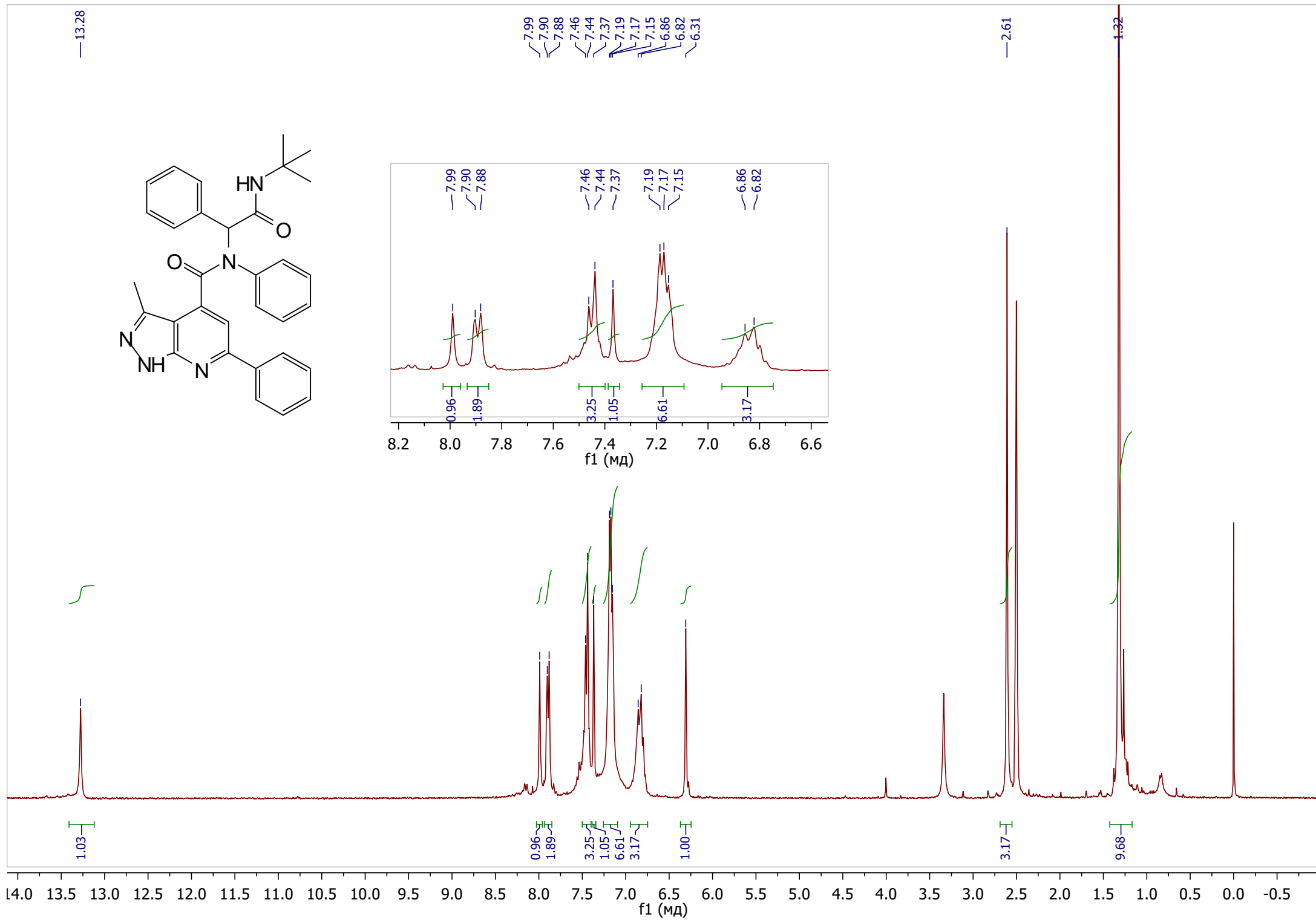
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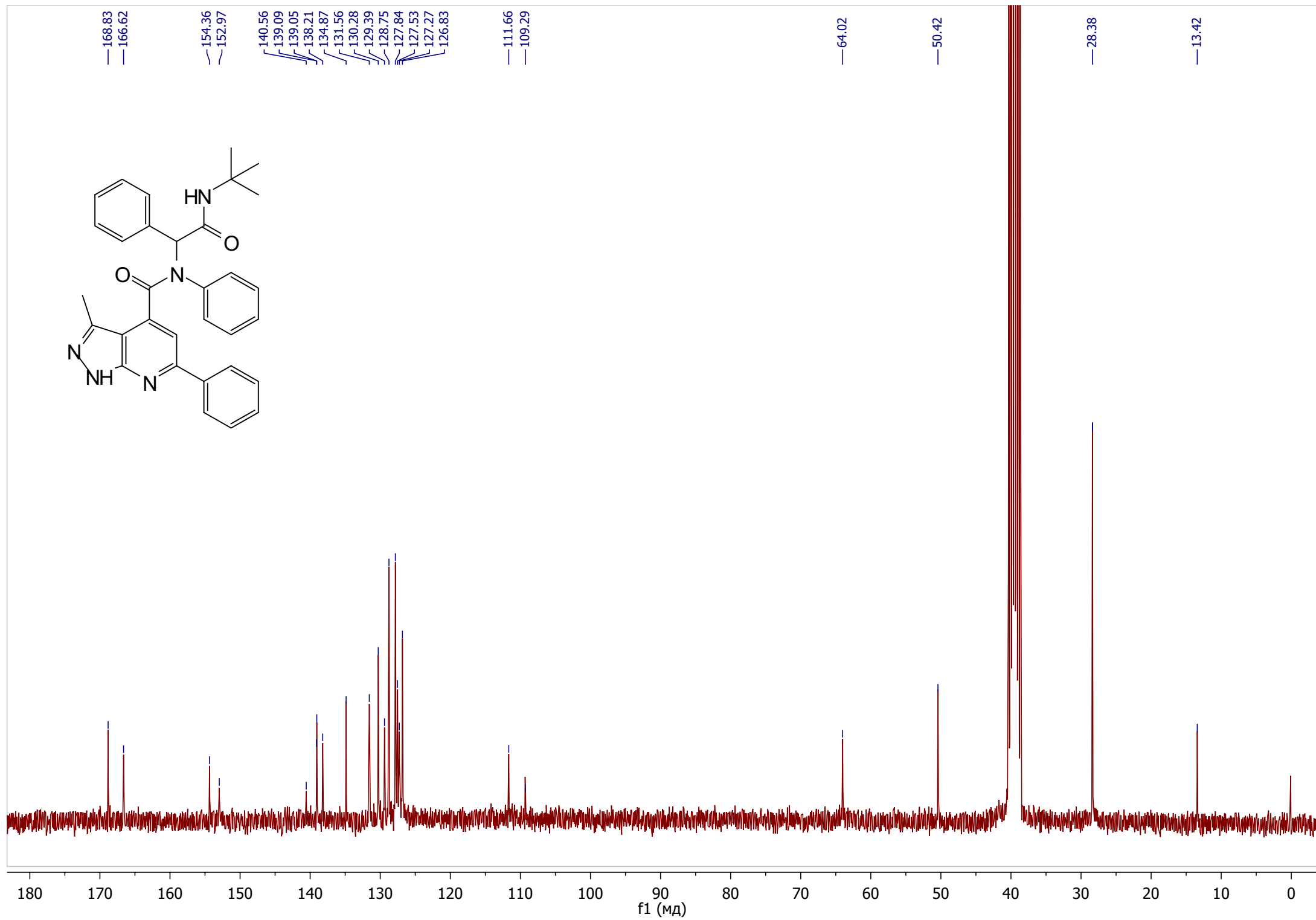
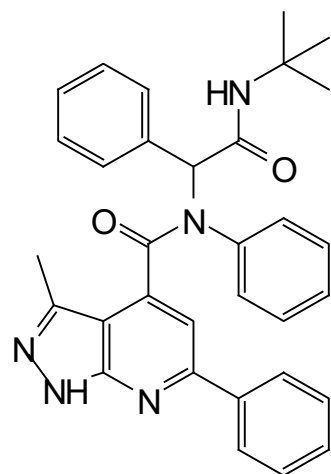
Doebner-type pyrazolopyridine carboxylic acids in an Ugi four-component reaction

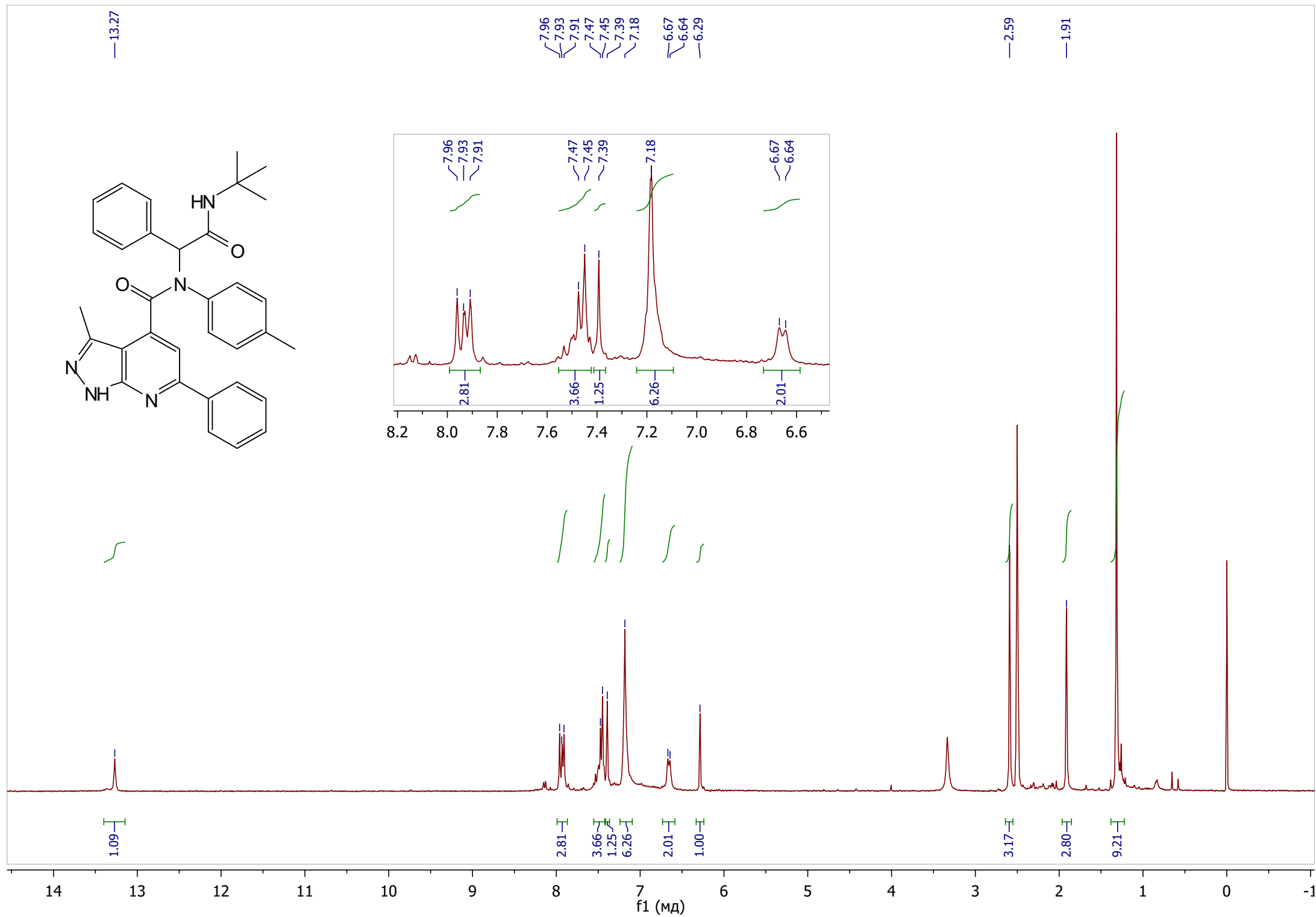
Maryna V. Murlykina, Oleksandr V. Kolomiets, Maryna M. Kornet, Yana I. Sakhno, Sergey M. Desenko, Victoriya V. Dyakonenko, Svetlana V. Shishkina, Oleksandr A. Brazhko, Vladimir I. Musatov, Alexander V. Tsygankov, Erik V. Van der Eycken and Valentyn A. Chebanov

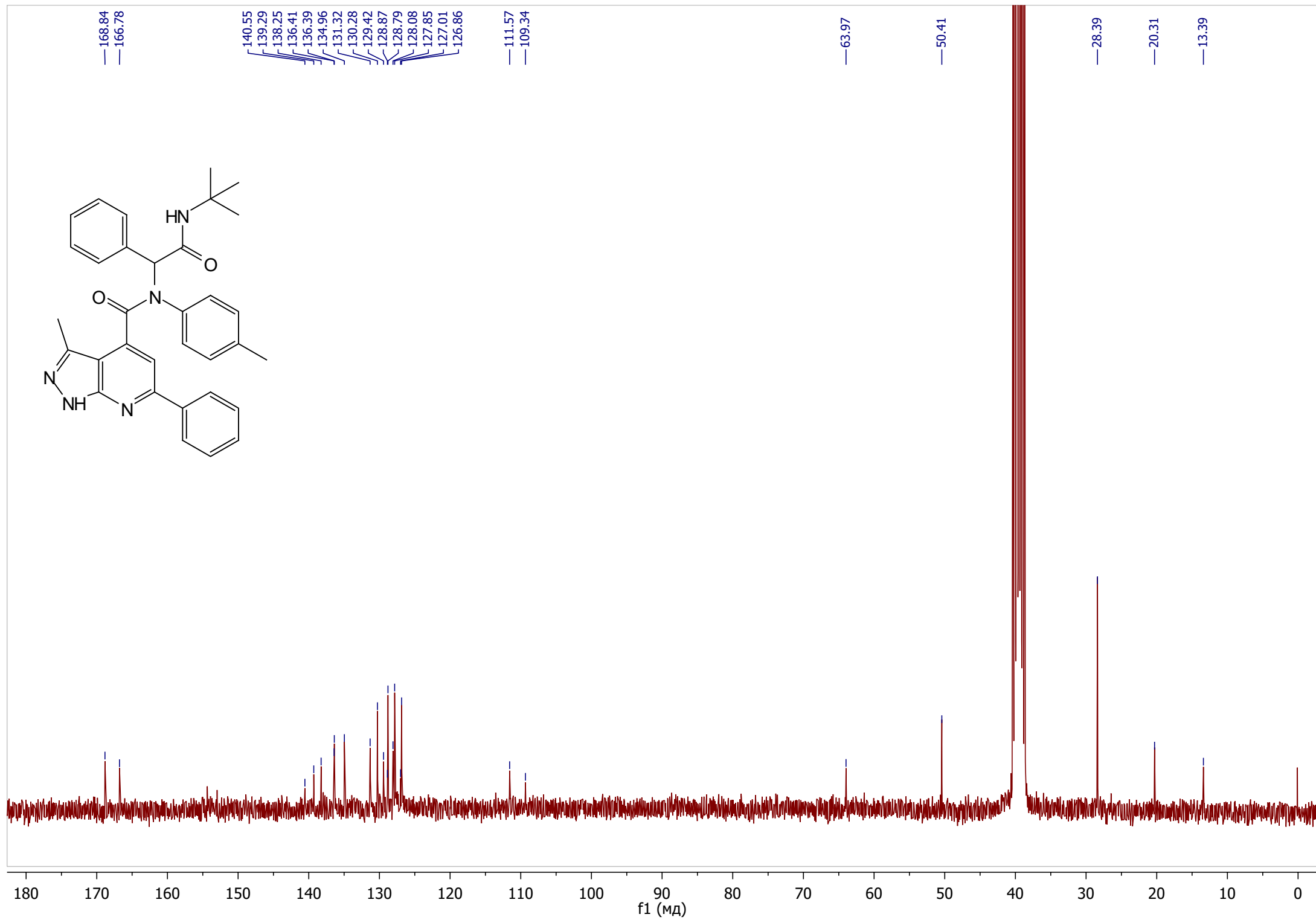
Beilstein J. Org. Chem. **2019**, *15*, 1281–1288. doi:10.3762/bjoc.15.126

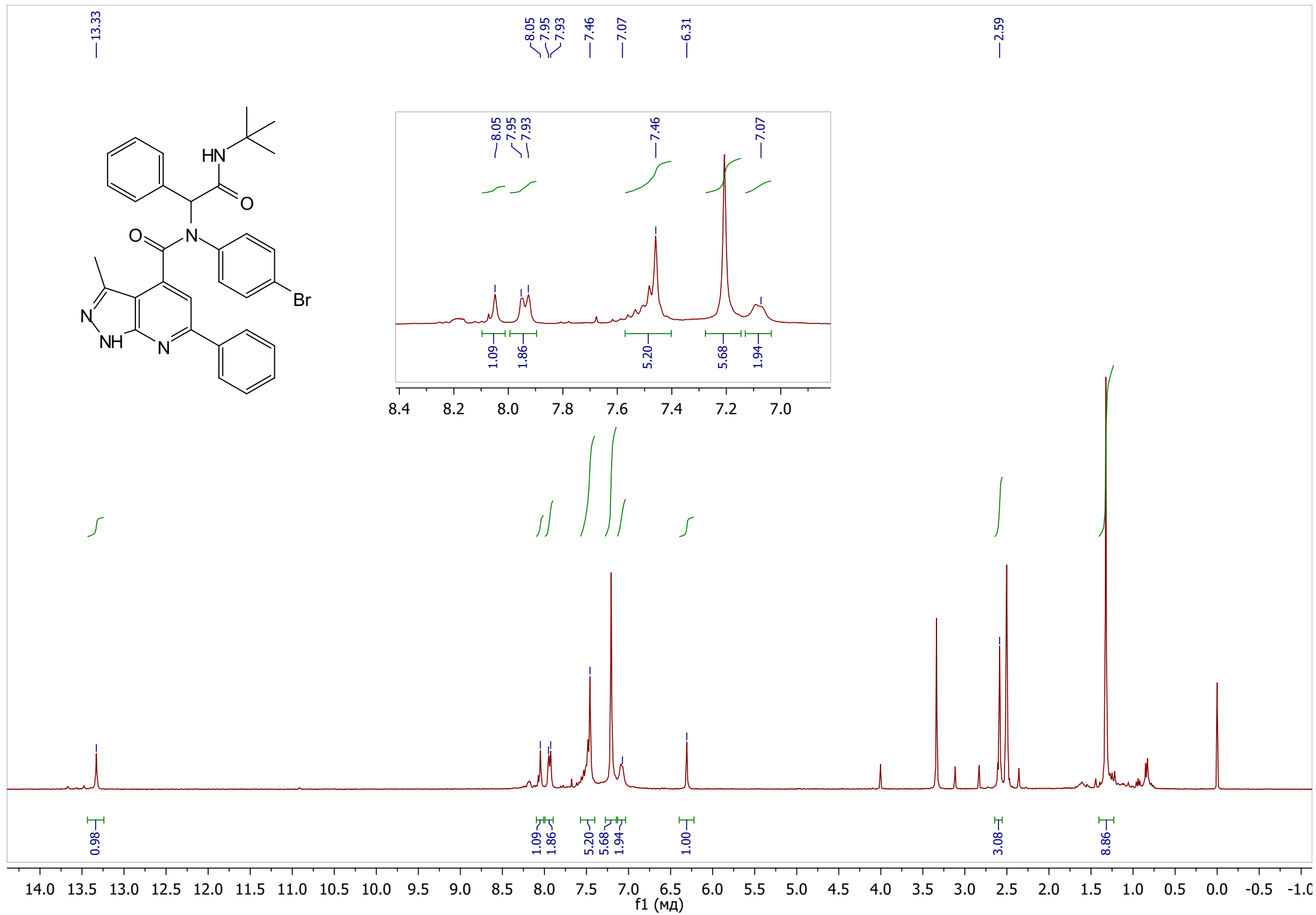
NMR spectra

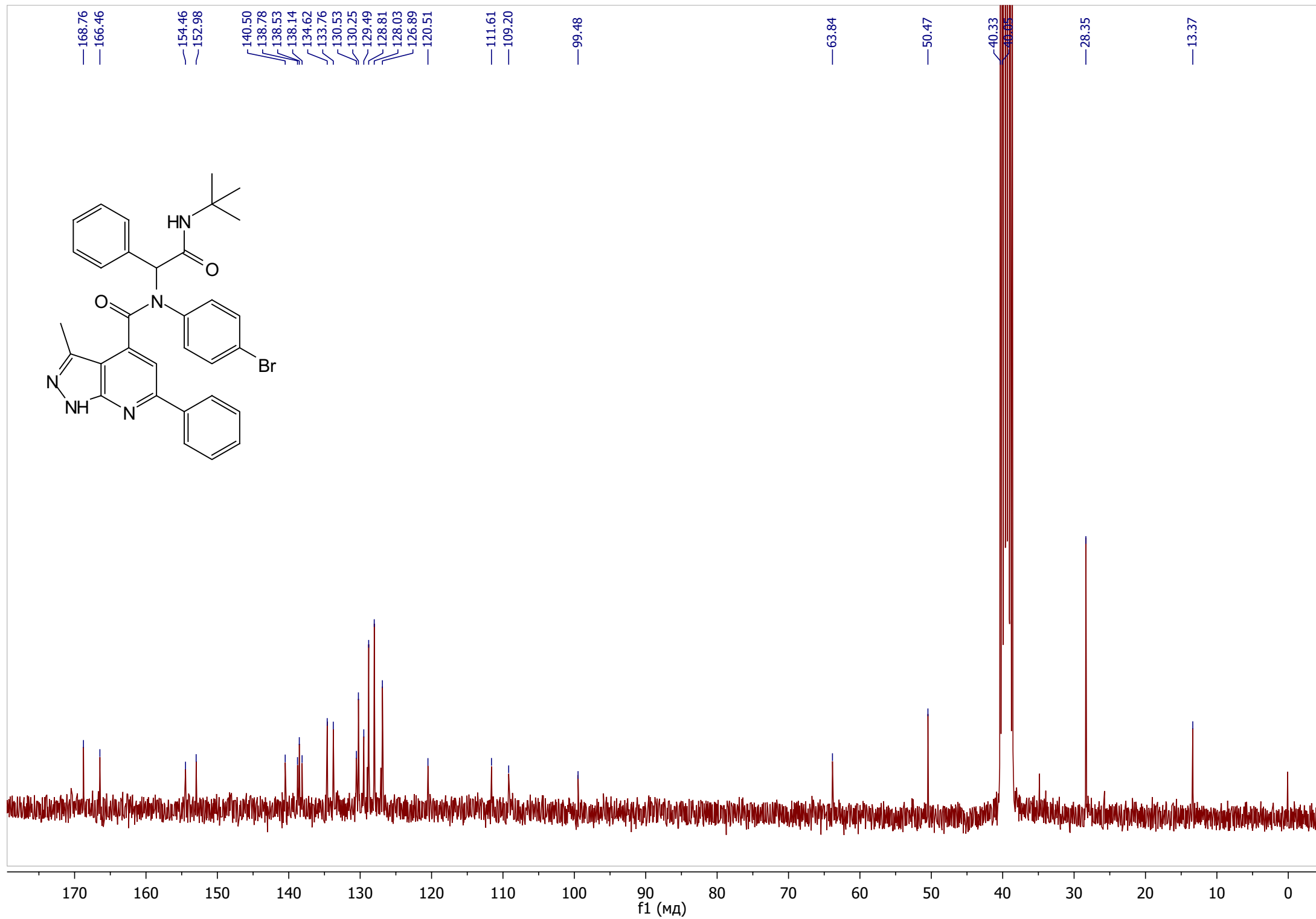
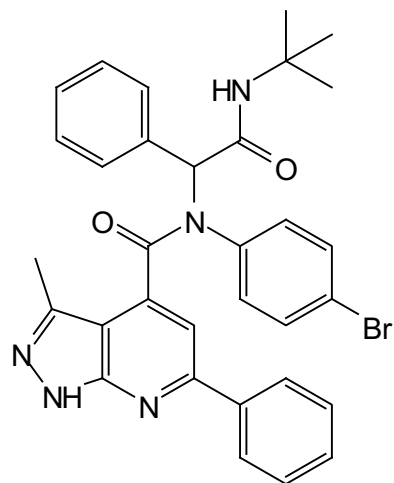


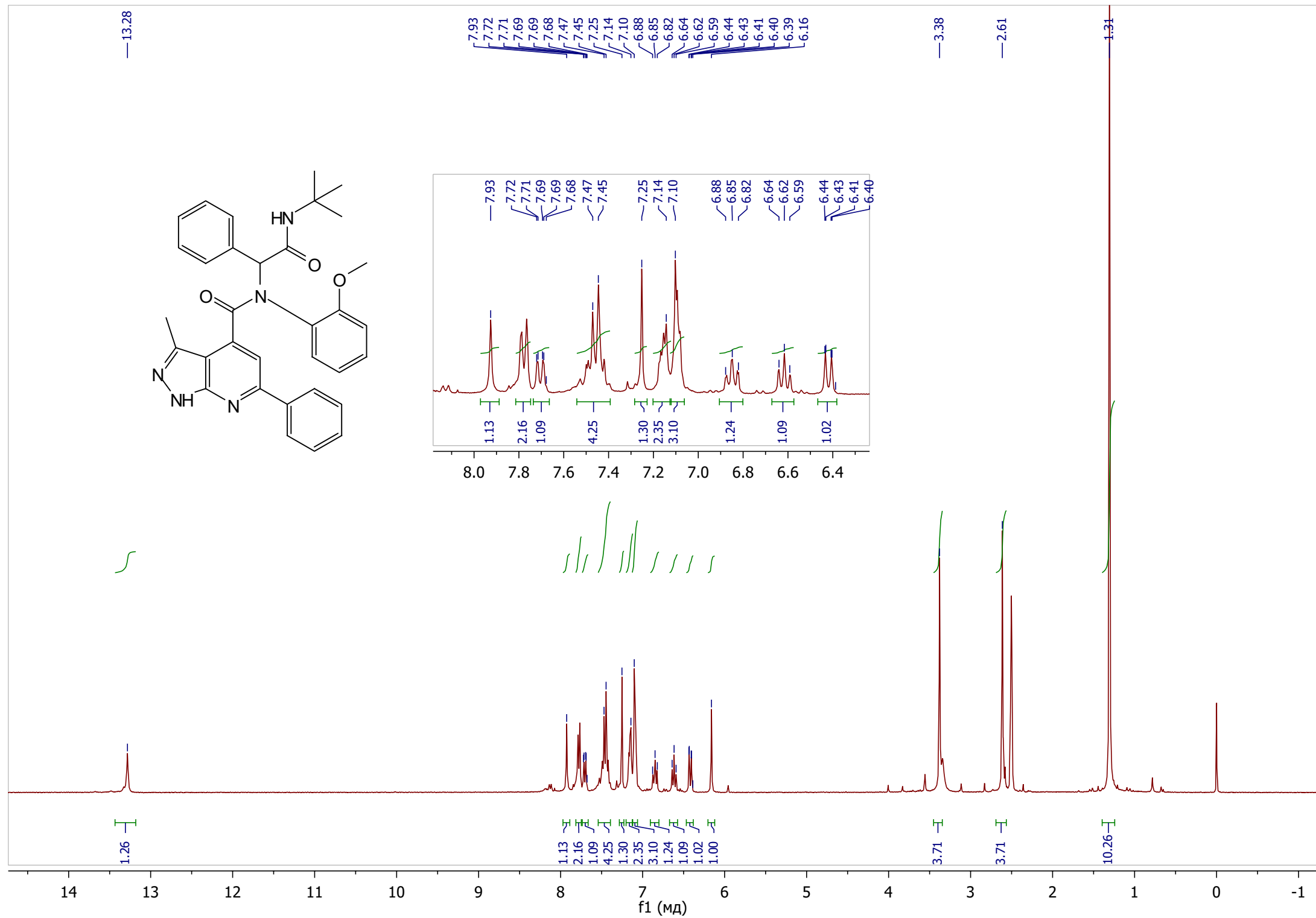


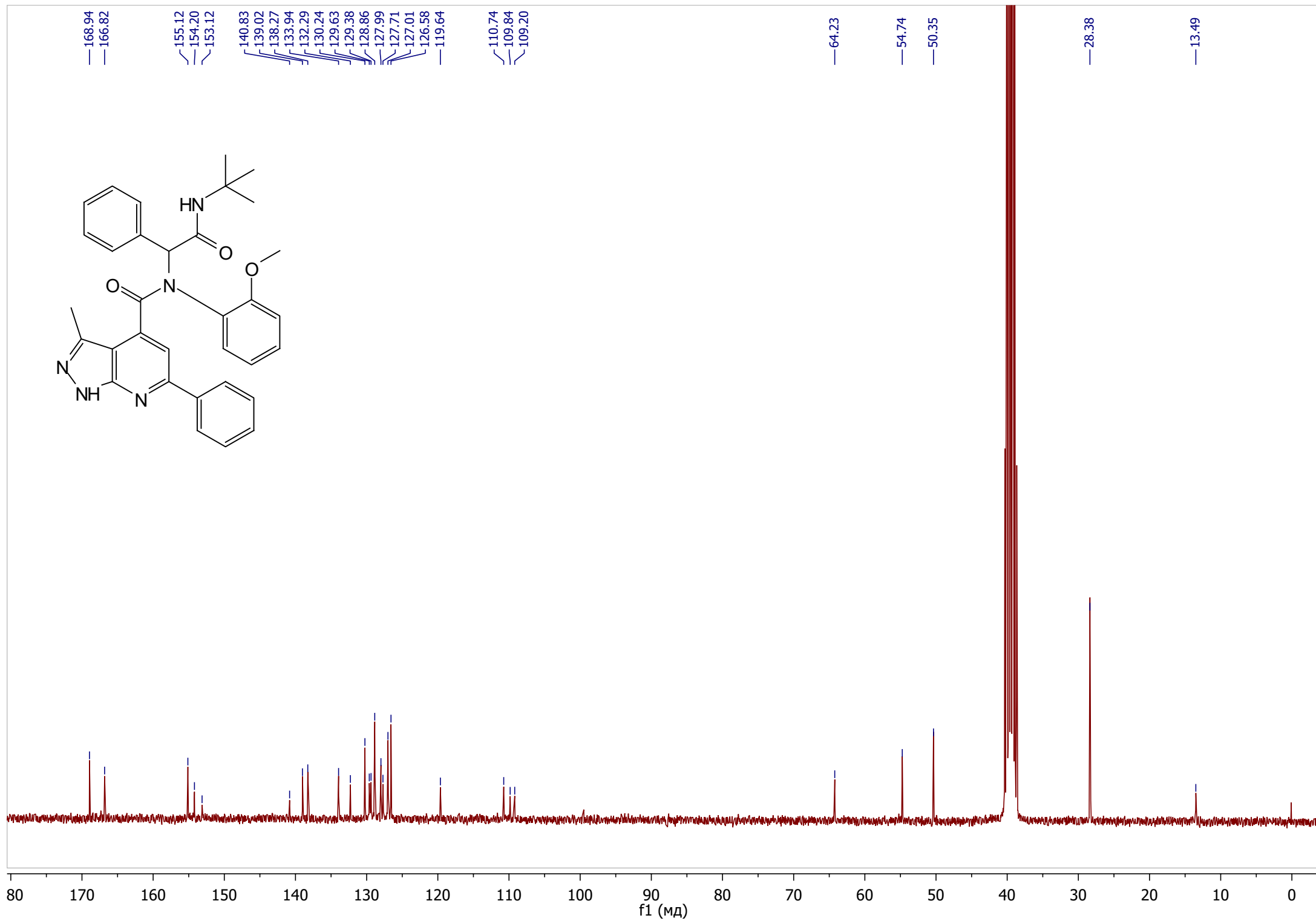
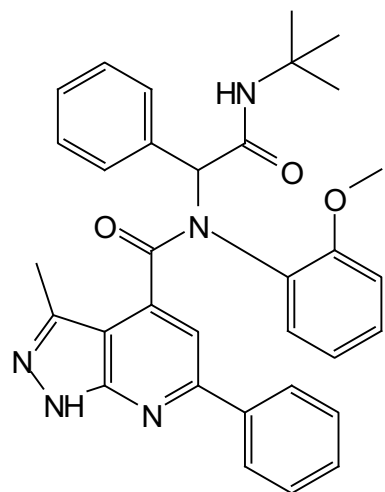


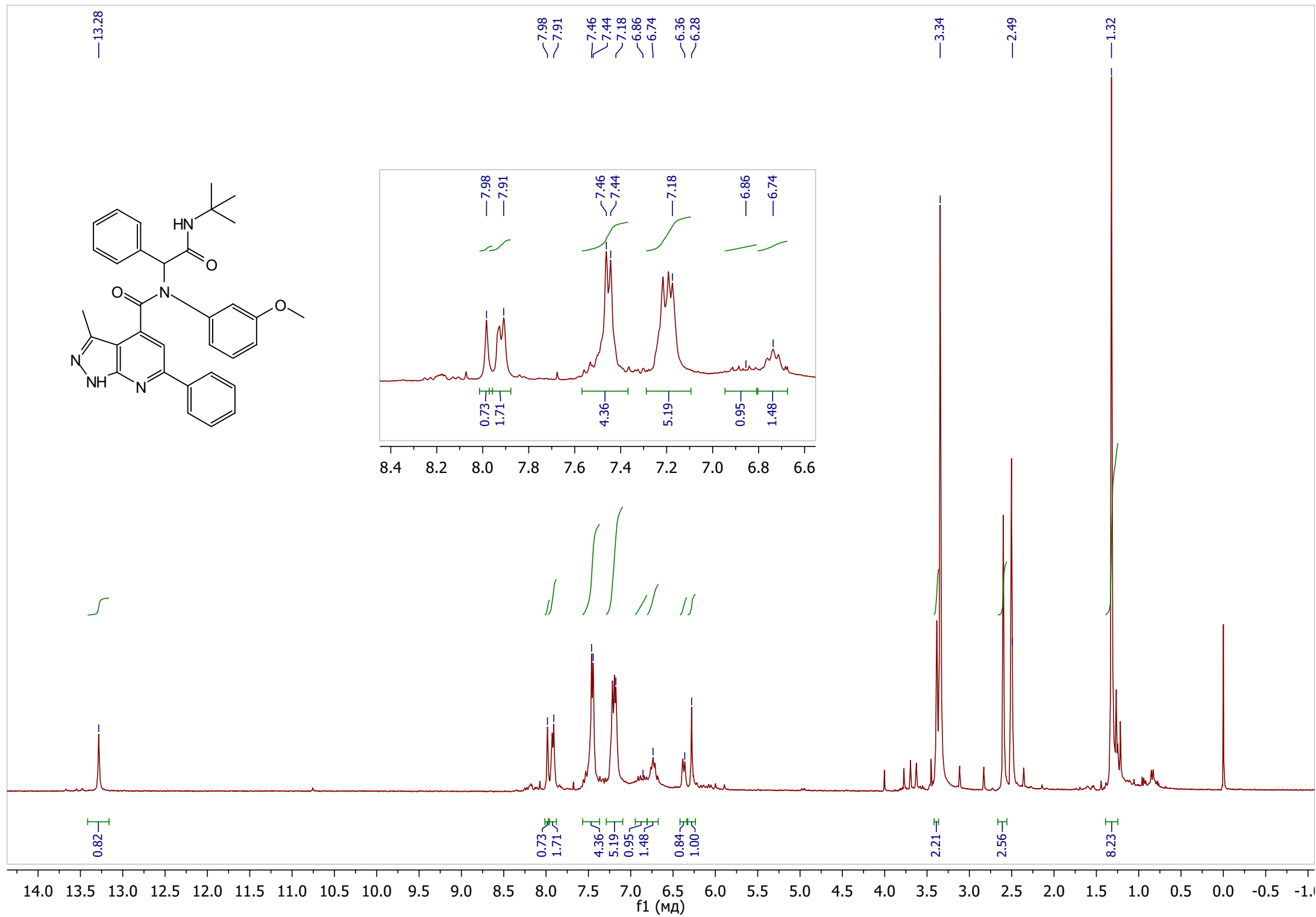


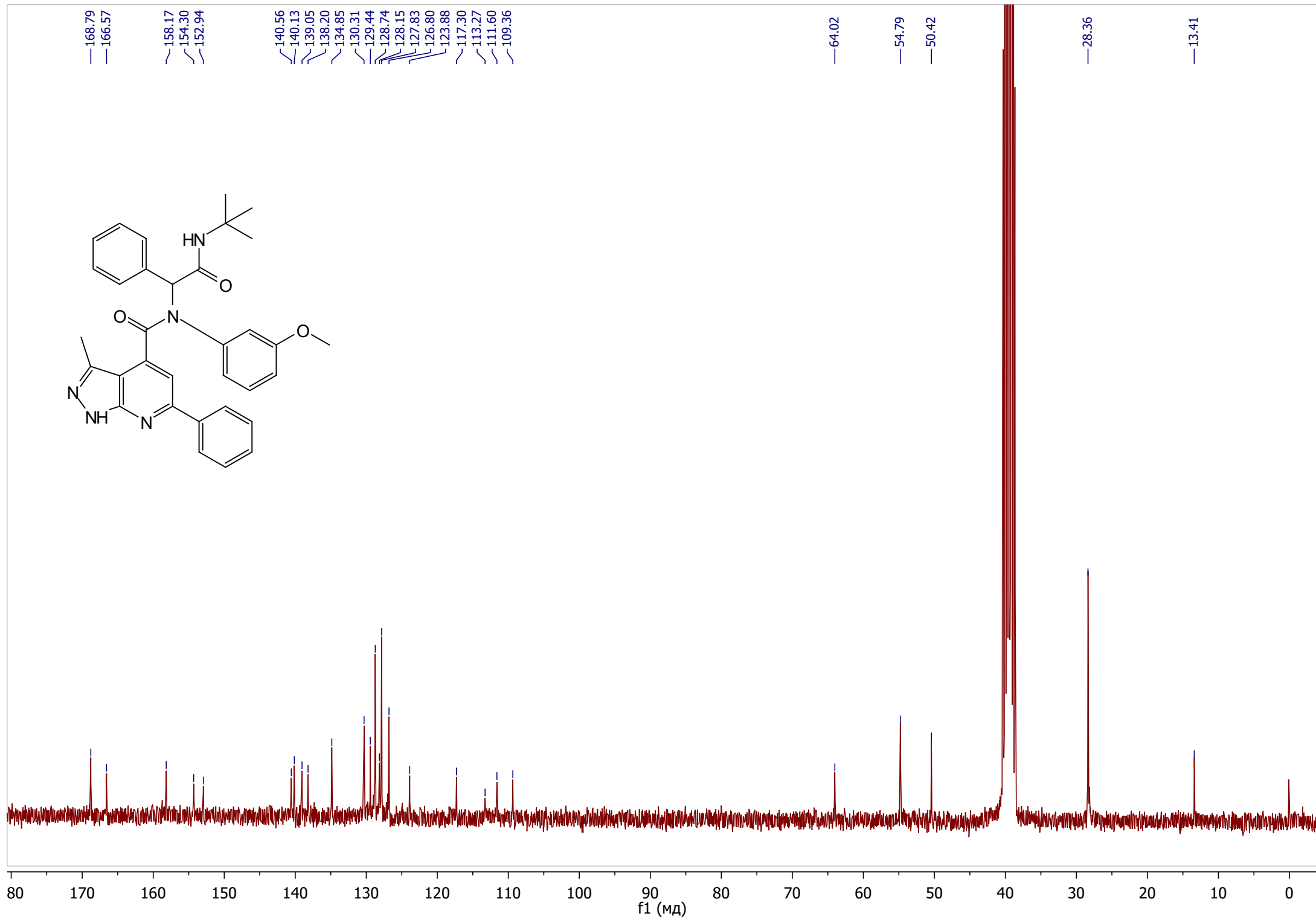
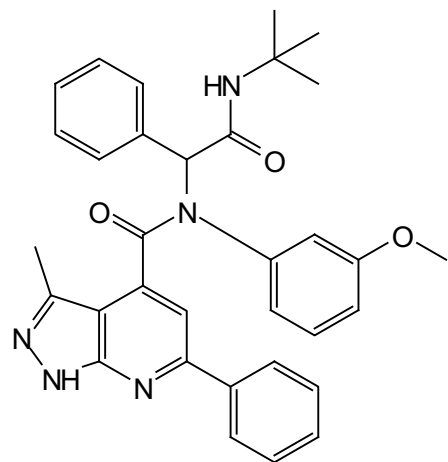


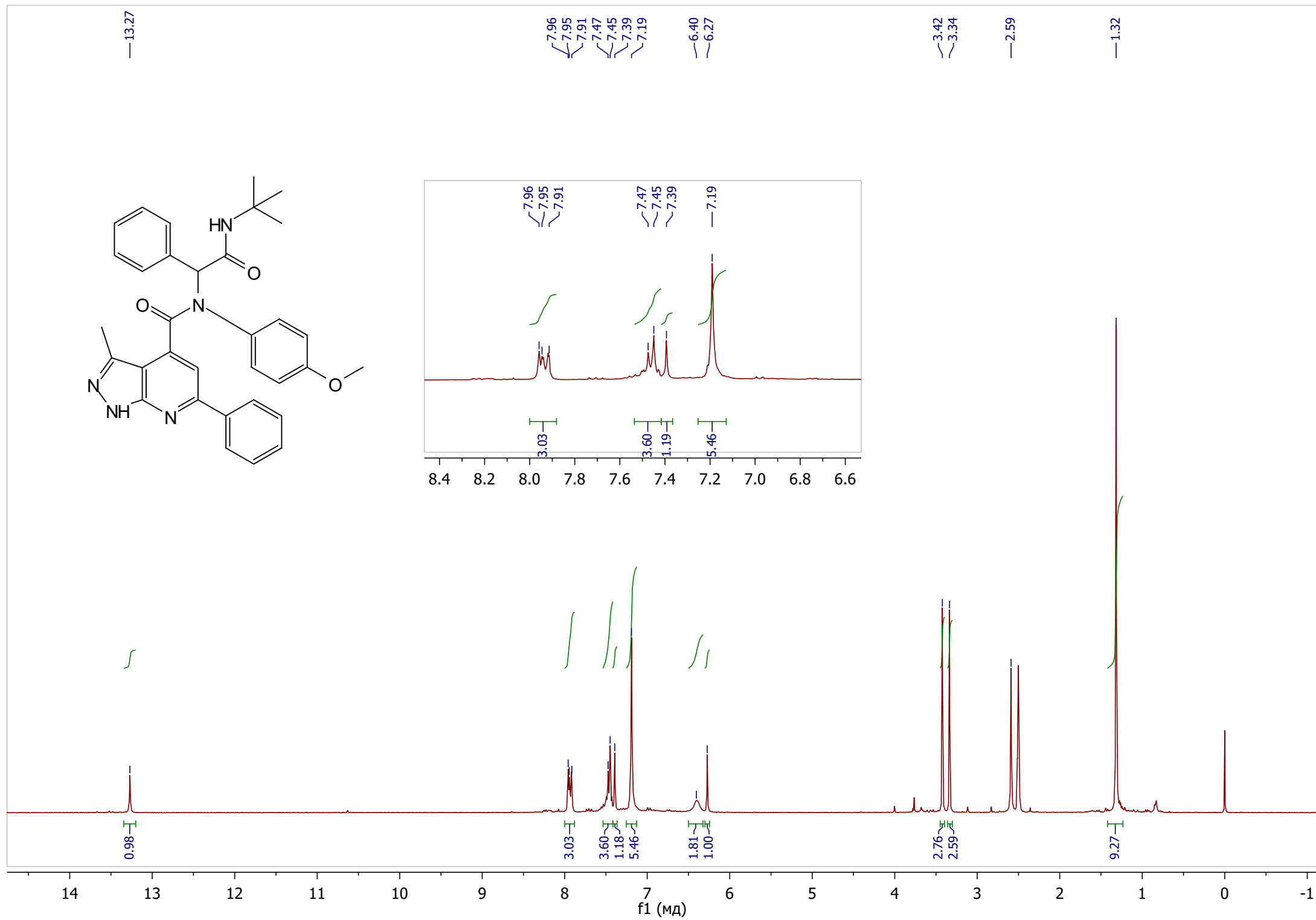


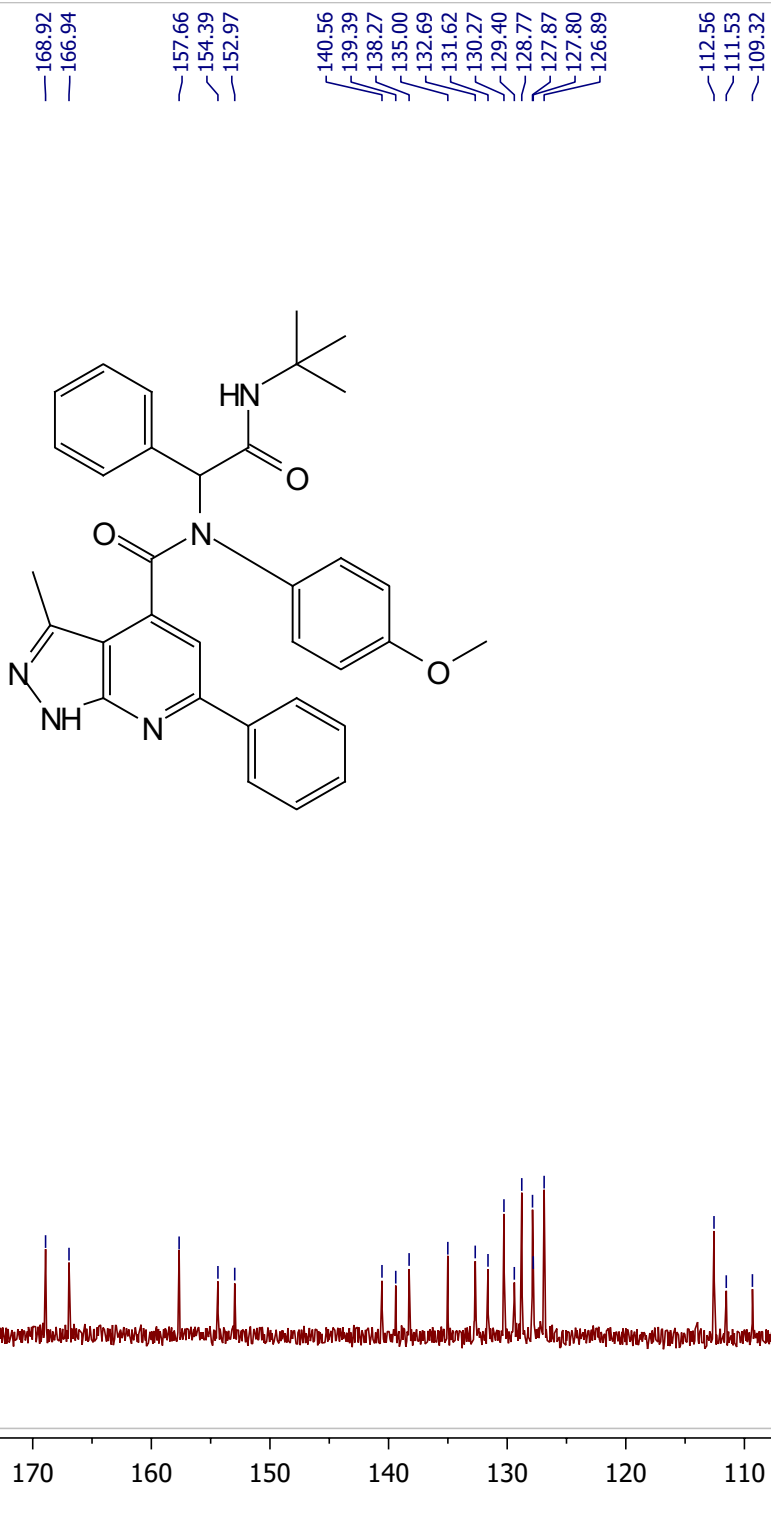
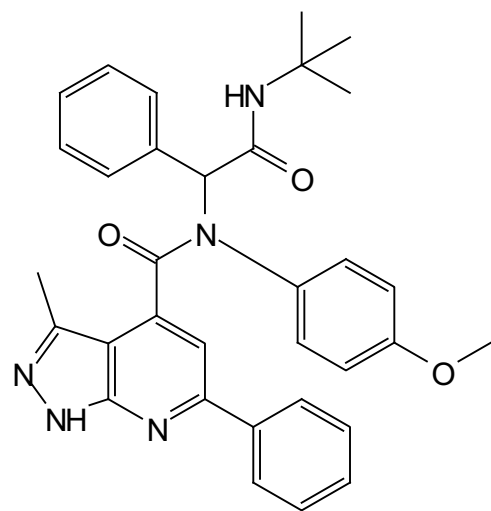












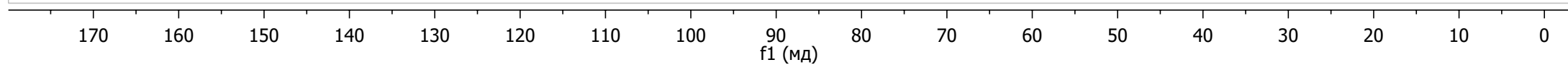
63.93

54.82

50.40

28.37

13.38



S13

