

Supporting Information

Synthesis, resolution, and *in vitro* evaluation of three vesicular acetylcholine transporter ligands and evaluation of the lead fluorine-18 radioligand in a nonhuman primate

Xuyi Yue,^a Hongjun Jin,^a Hui Liu,^a Zonghua Luo,^a Xiang Zhang,^a Kota Kaneshige,^b Hubert P. Flores,^c Joel S. Perlmutter,^{a,c} Stanley M. Parsons^b and Zhude Tu^{a,*}

^a Department of Radiology, Washington University School of Medicine, St Louis, MO

^b Department of Chemistry and Biochemistry, University of California, Santa Barbara, CA

^c Department of Neurology, Washington University School of Medicine, St Louis, MO

* Corresponding author. Tel.: +1 314 362 8487; fax: +1 314 362 8555.

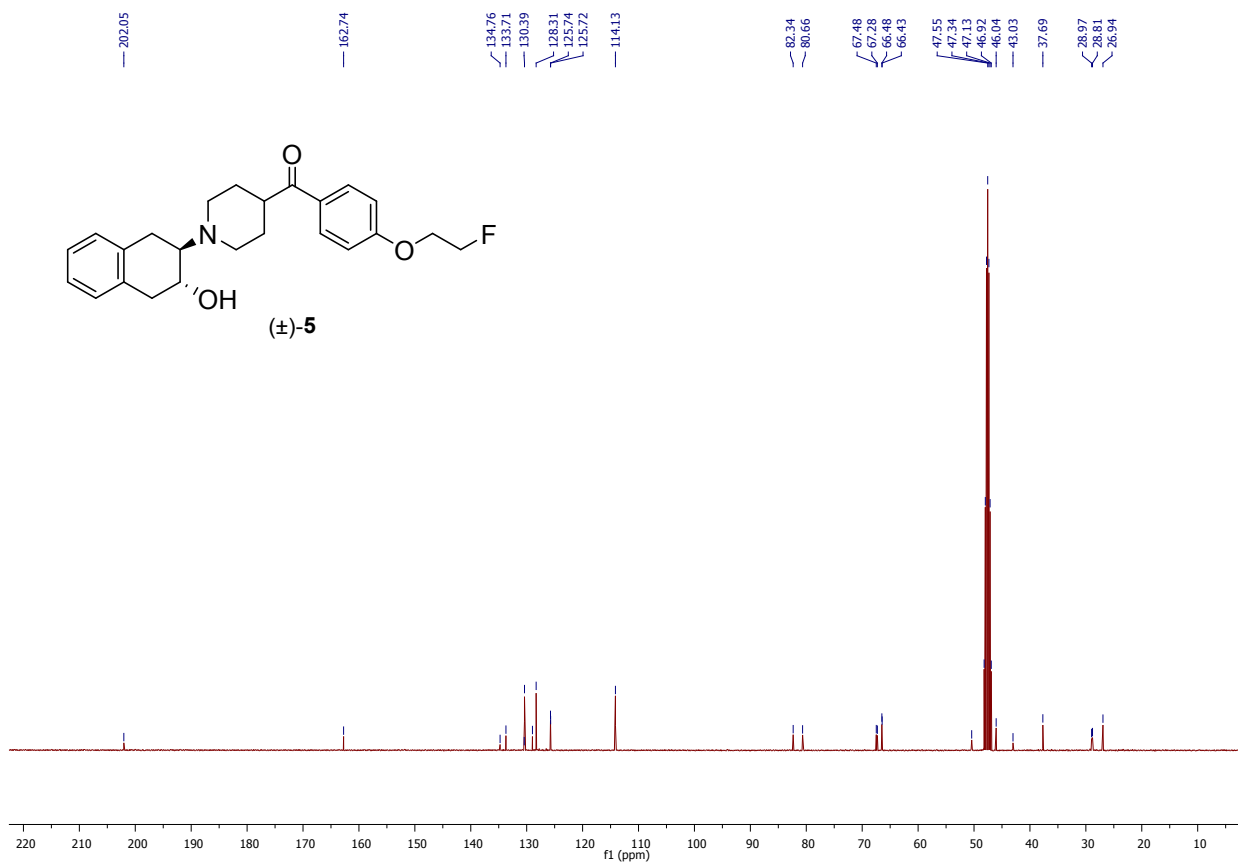
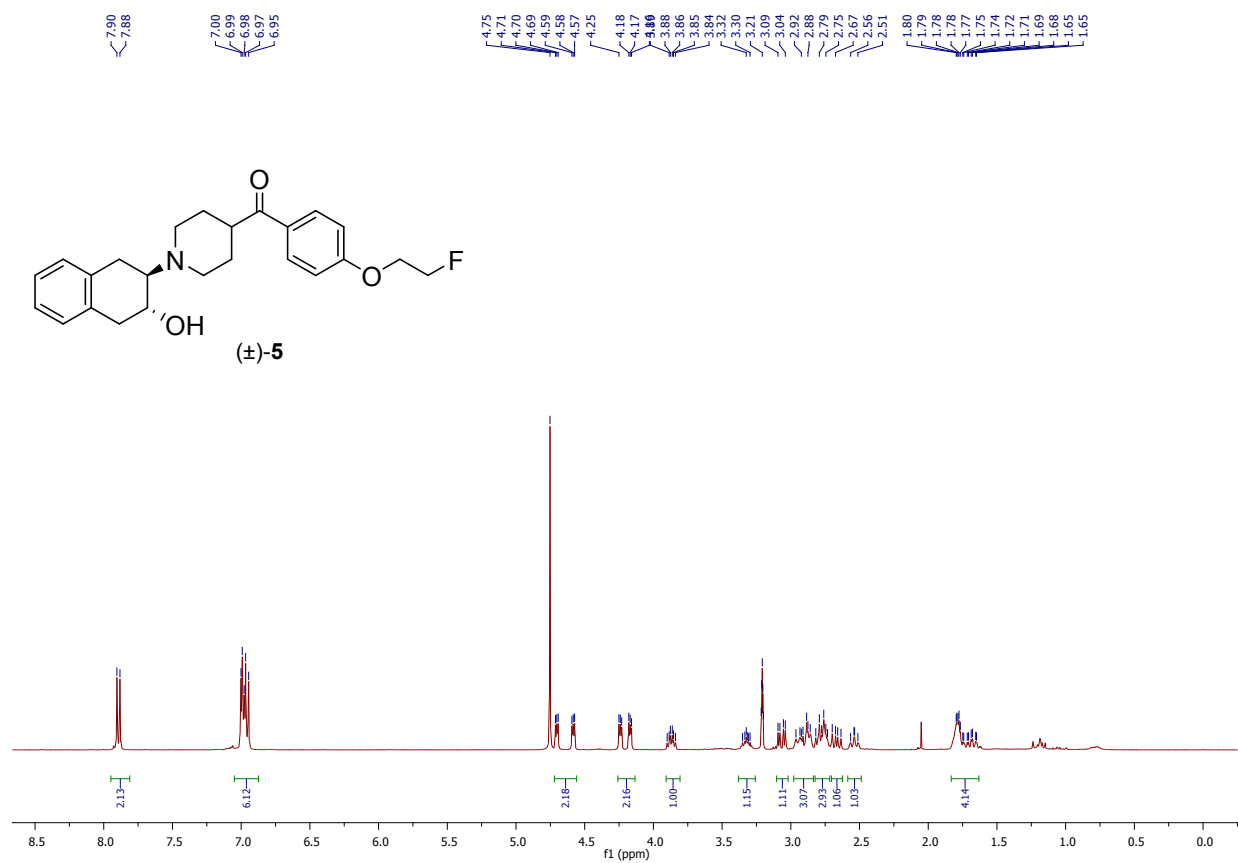
E-mail address: tuz@mir.wustl.edu (Z. Tu).

Contents of Supporting Information

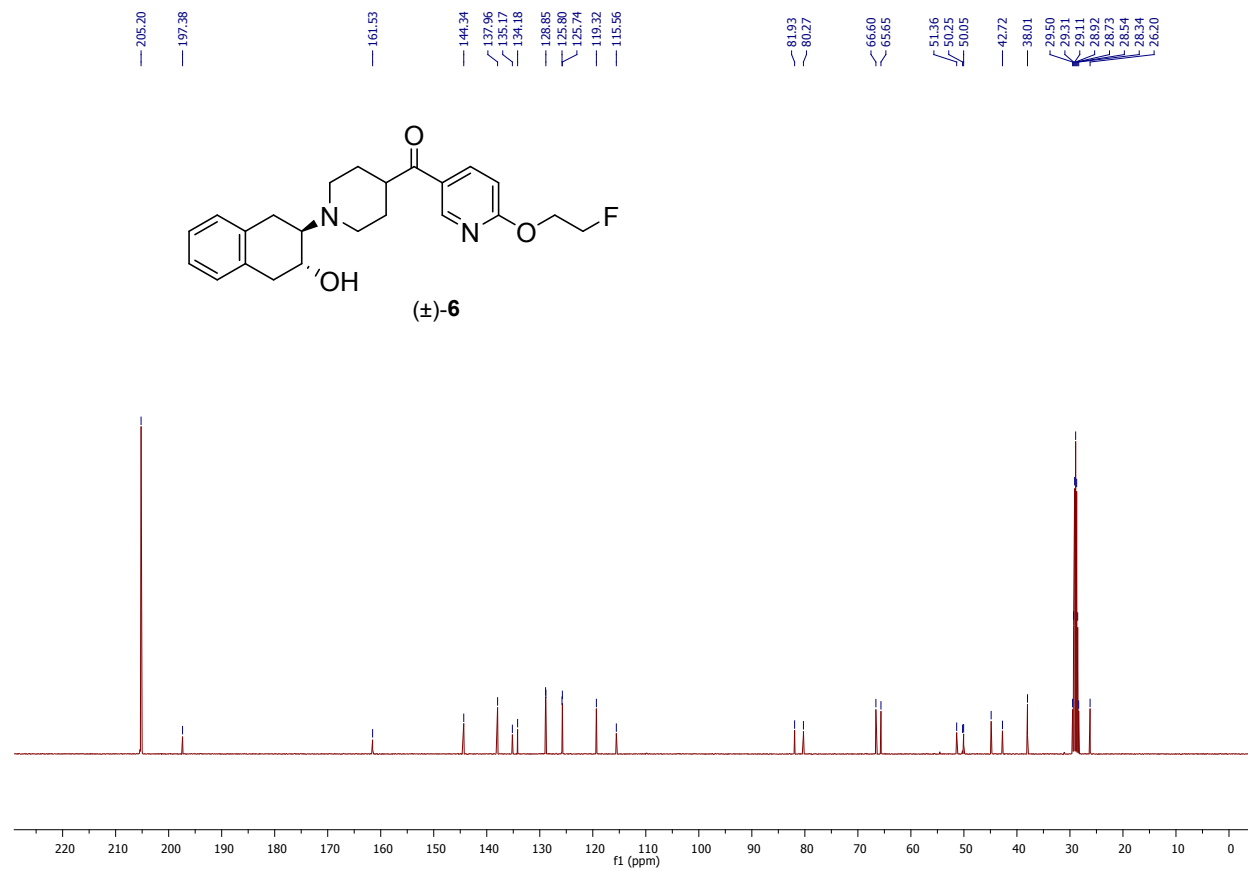
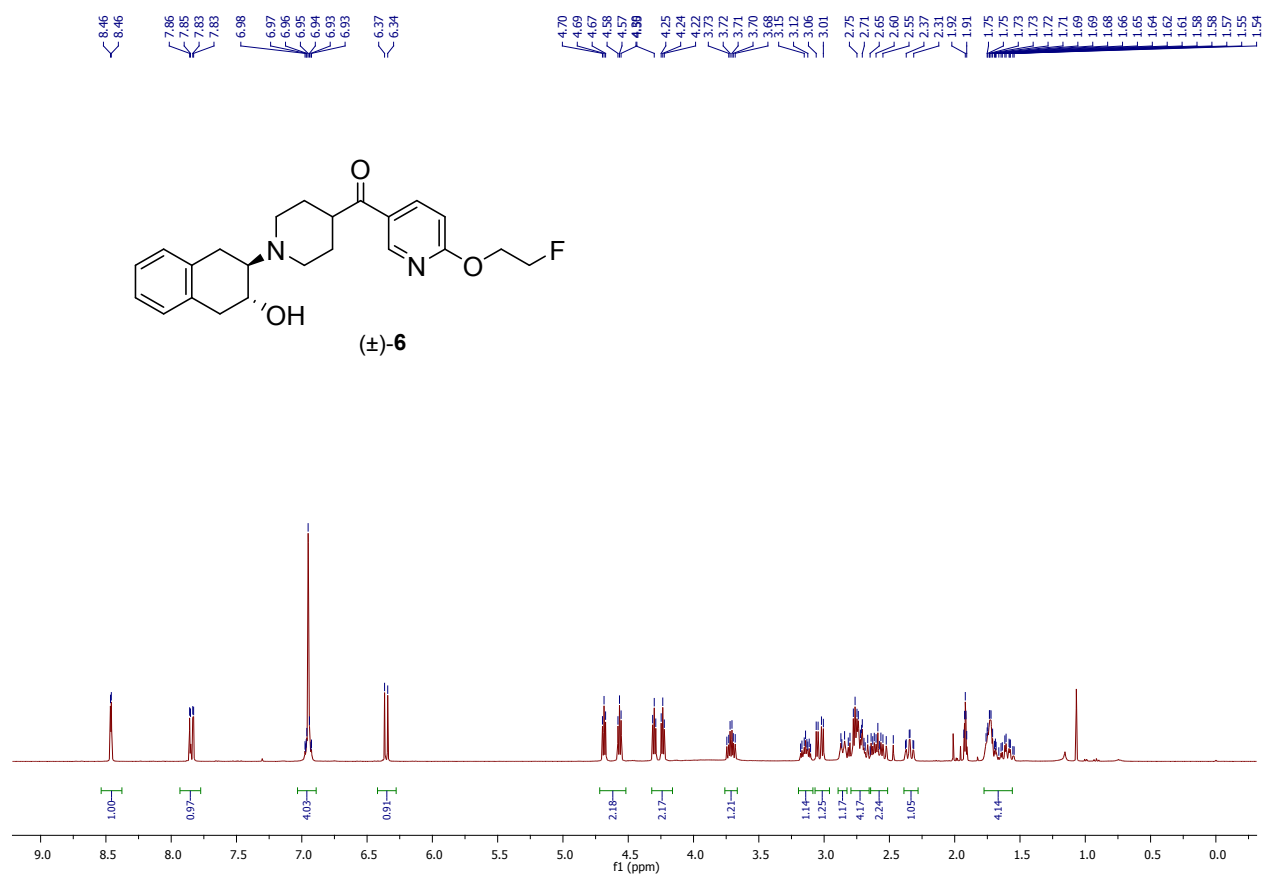
Copies of ¹H NMR and ¹³C NMR spectra for new compounds

Compound (±)-5.....	S2
Compound (±)-6.....	S3
Compound (±)-7.....	S4
Compound (±)-10.....	S5
Compound (±)-11.....	S6
Compound (±)-12.....	S7
Compound (±)-13.....	S8
Compound (±)-15.....	S9
Compound (±)-16.....	S10
Compound (±)-17.....	S11
Compound (±)-18.....	S12
Compound (±)-19.....	S13
Compound (±)-20.....	S14

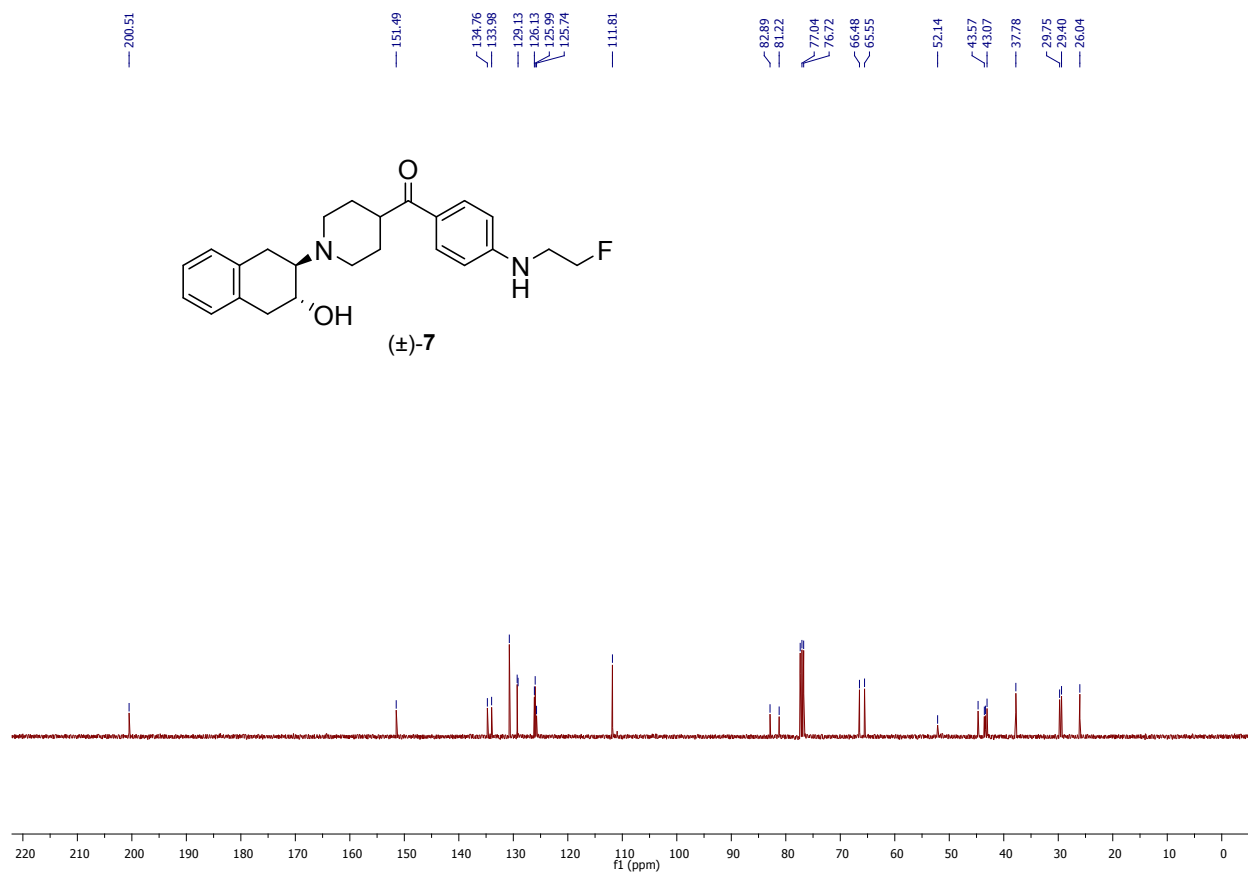
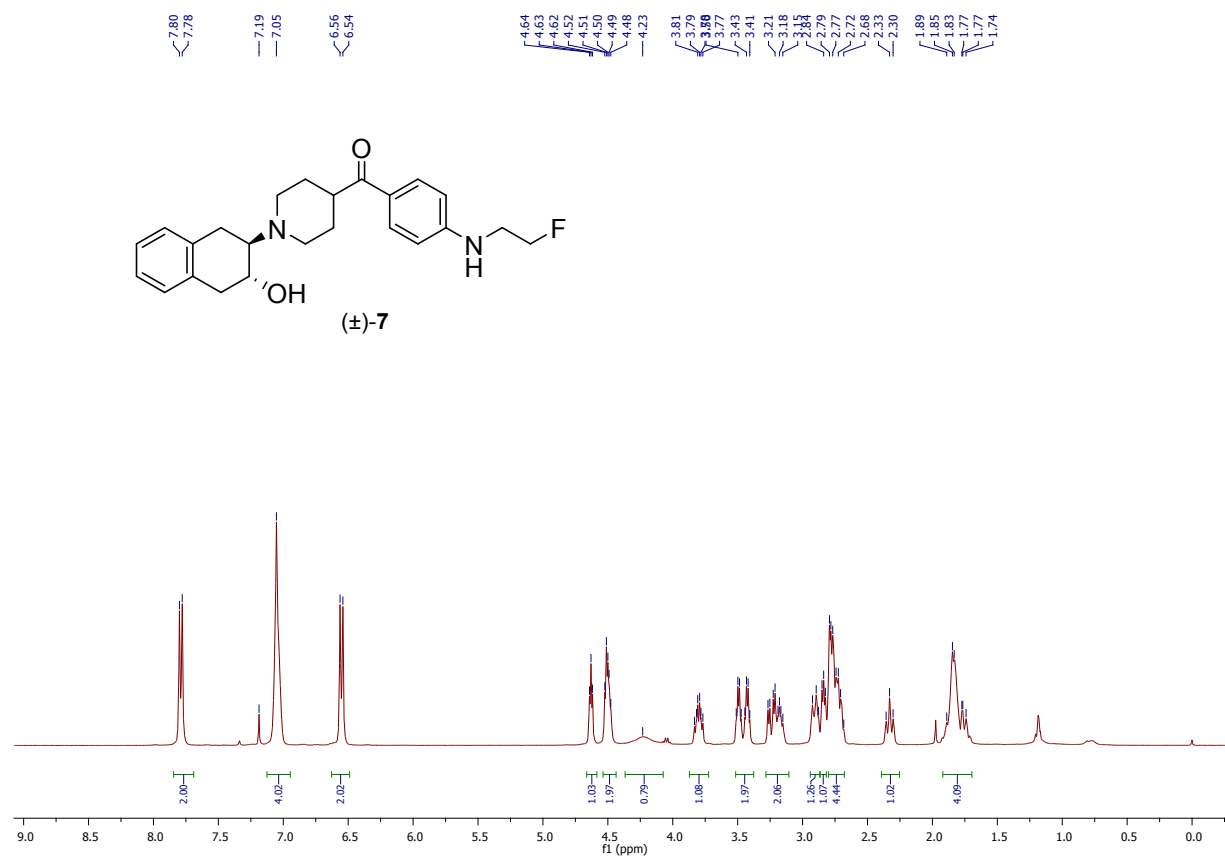
Supporting Information



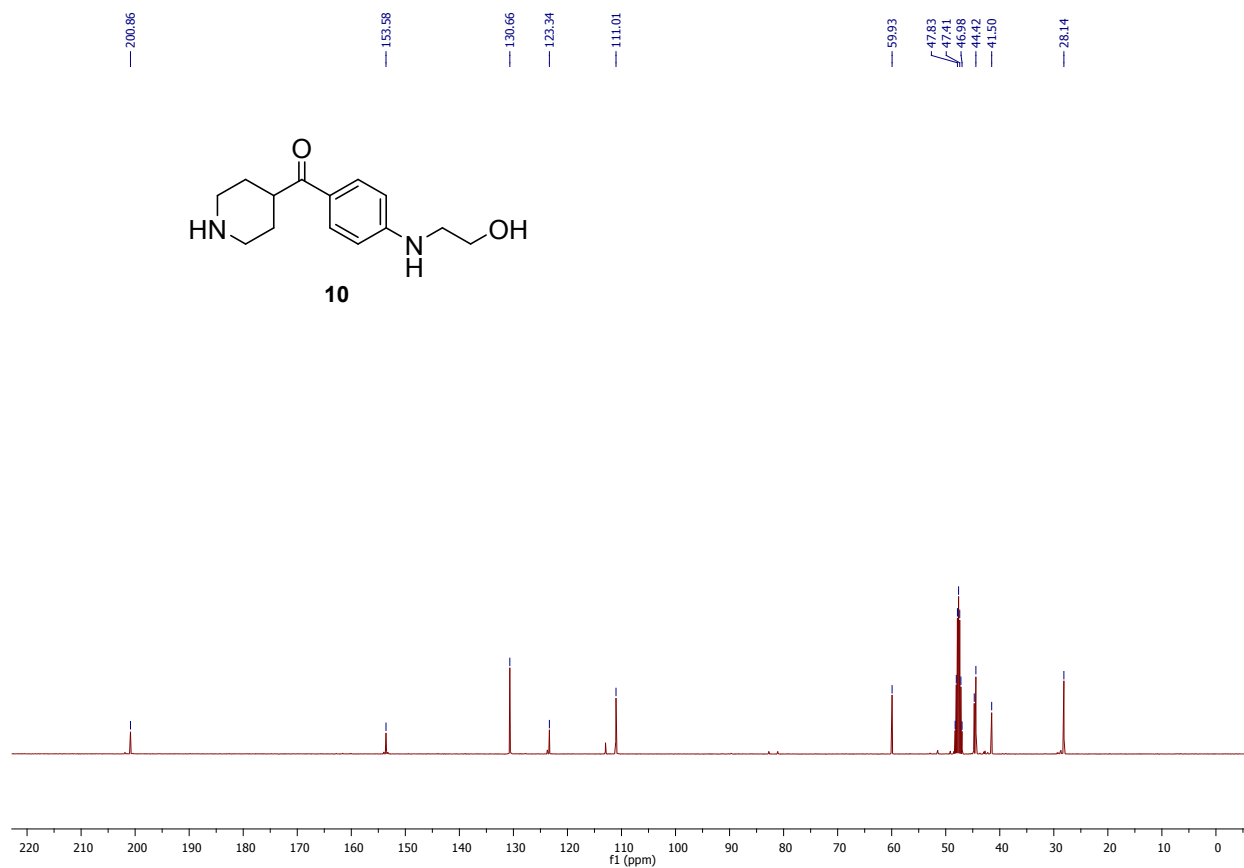
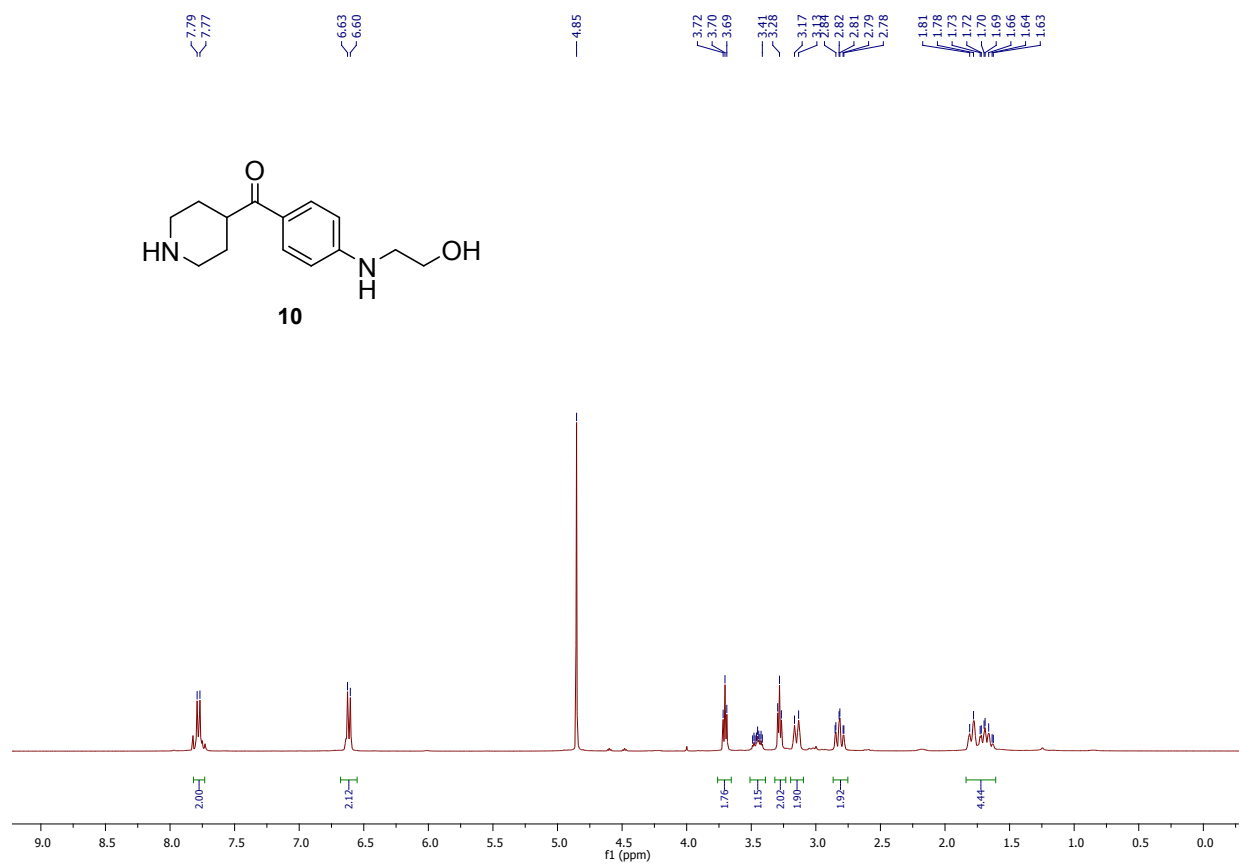
Supporting Information



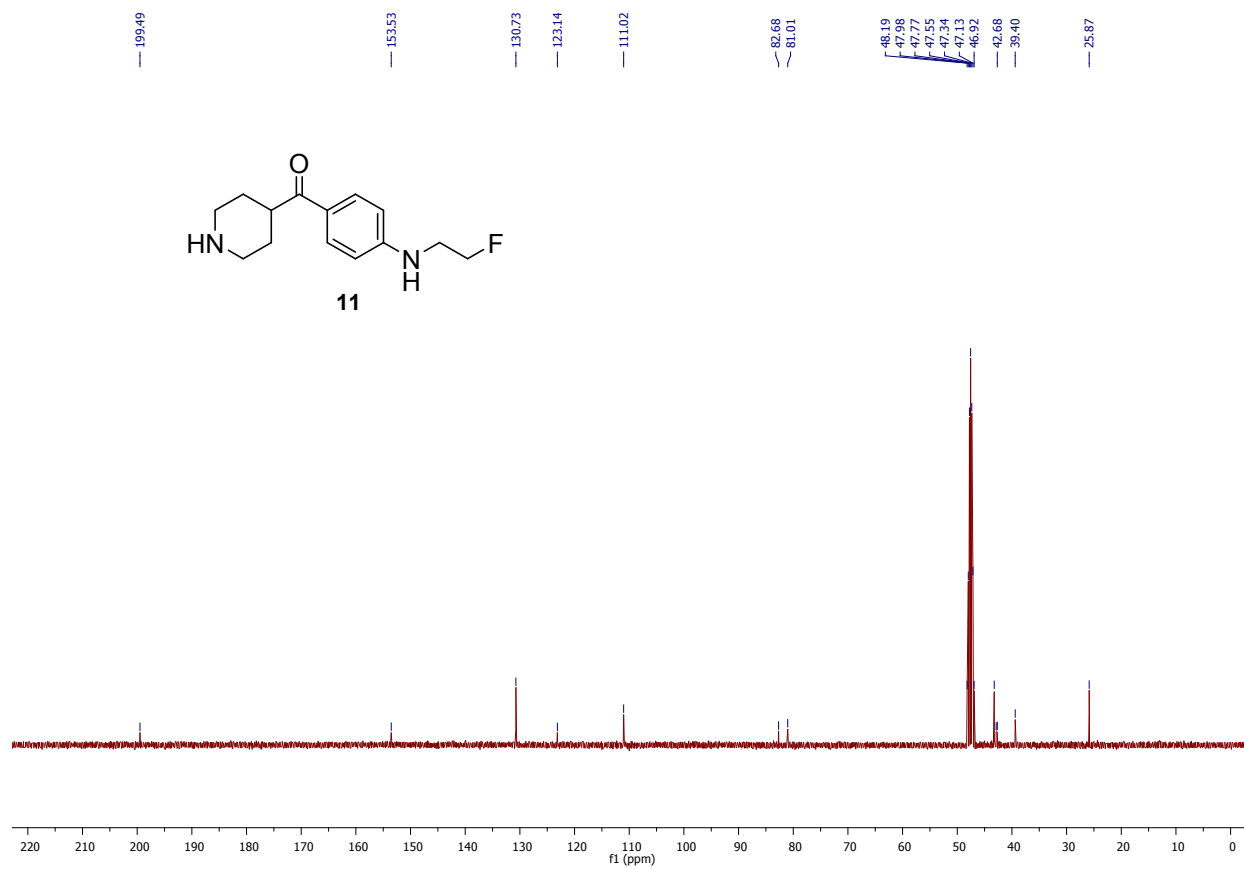
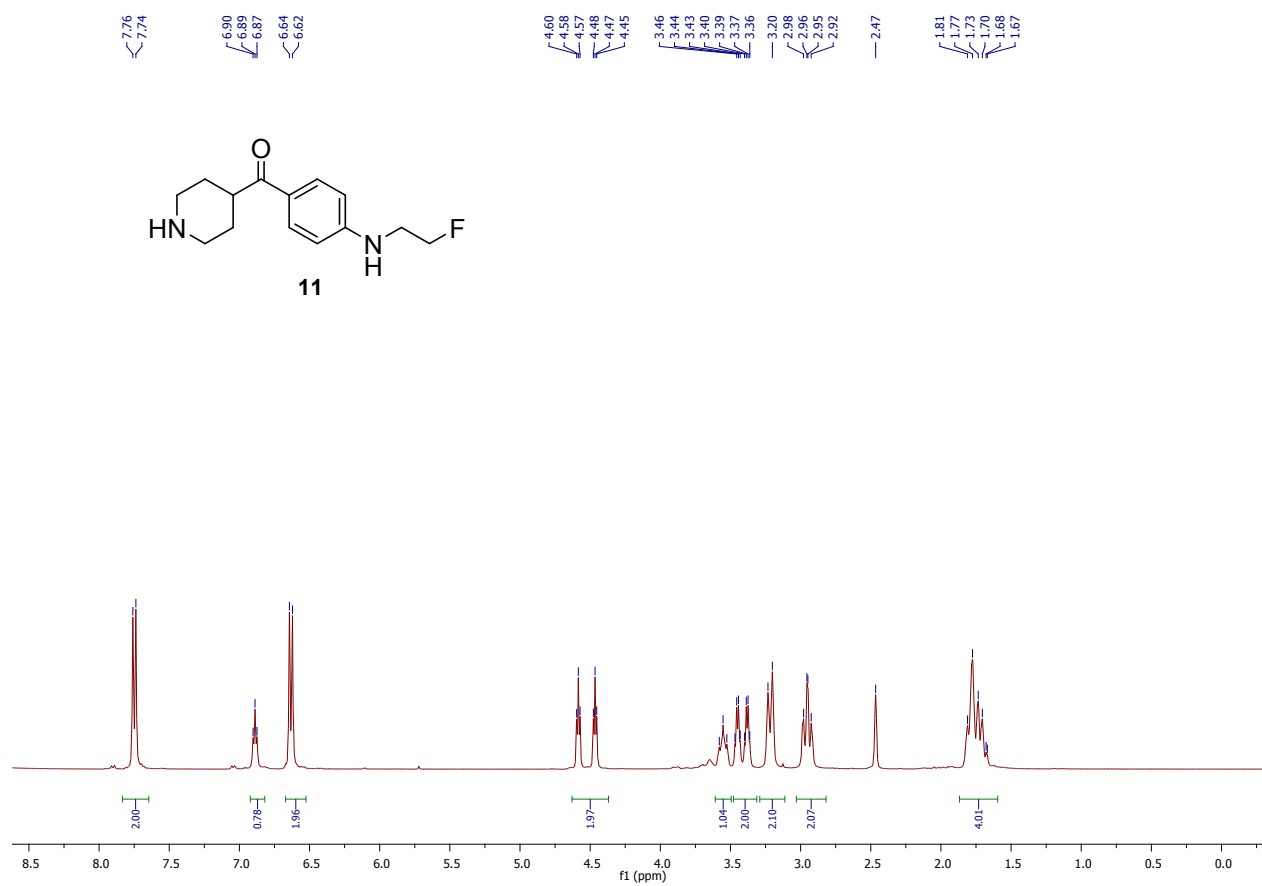
Supporting Information



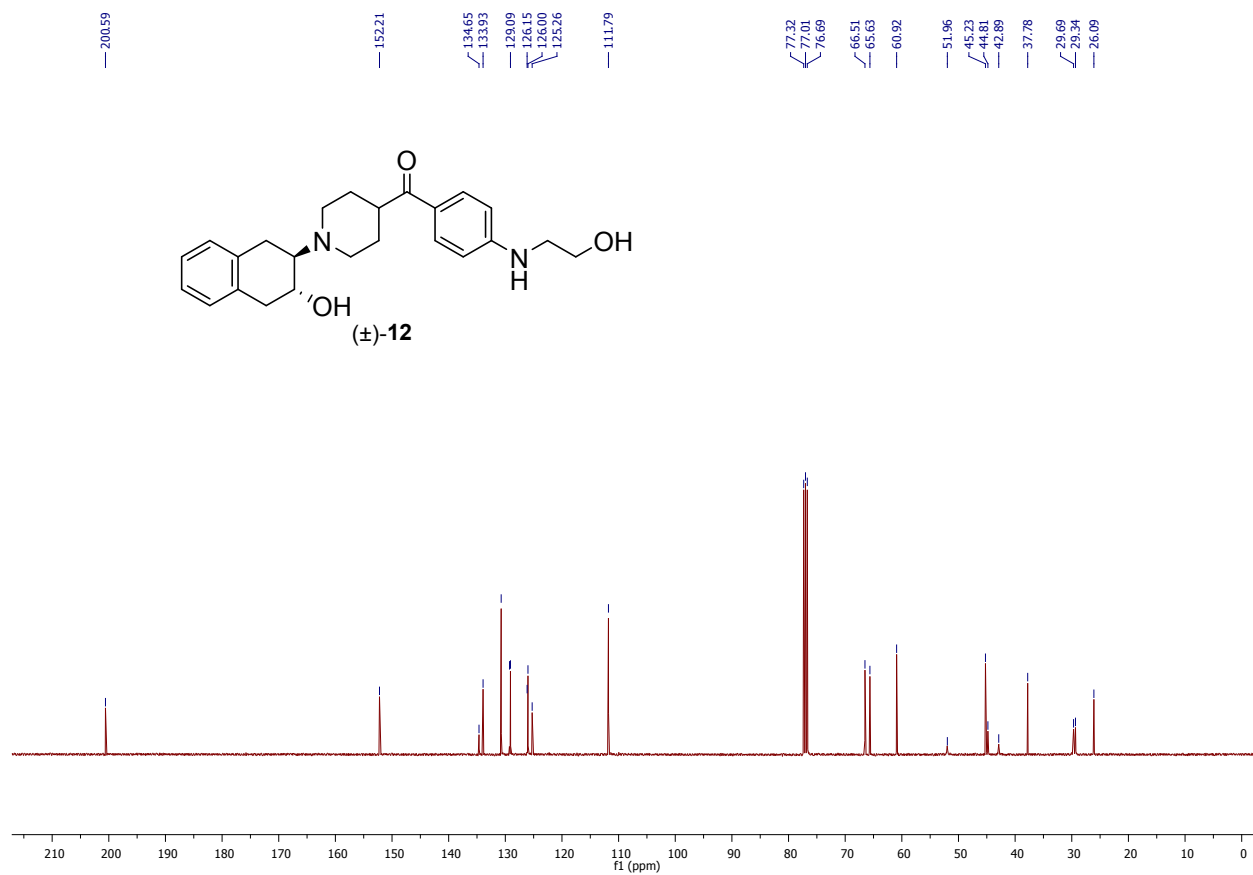
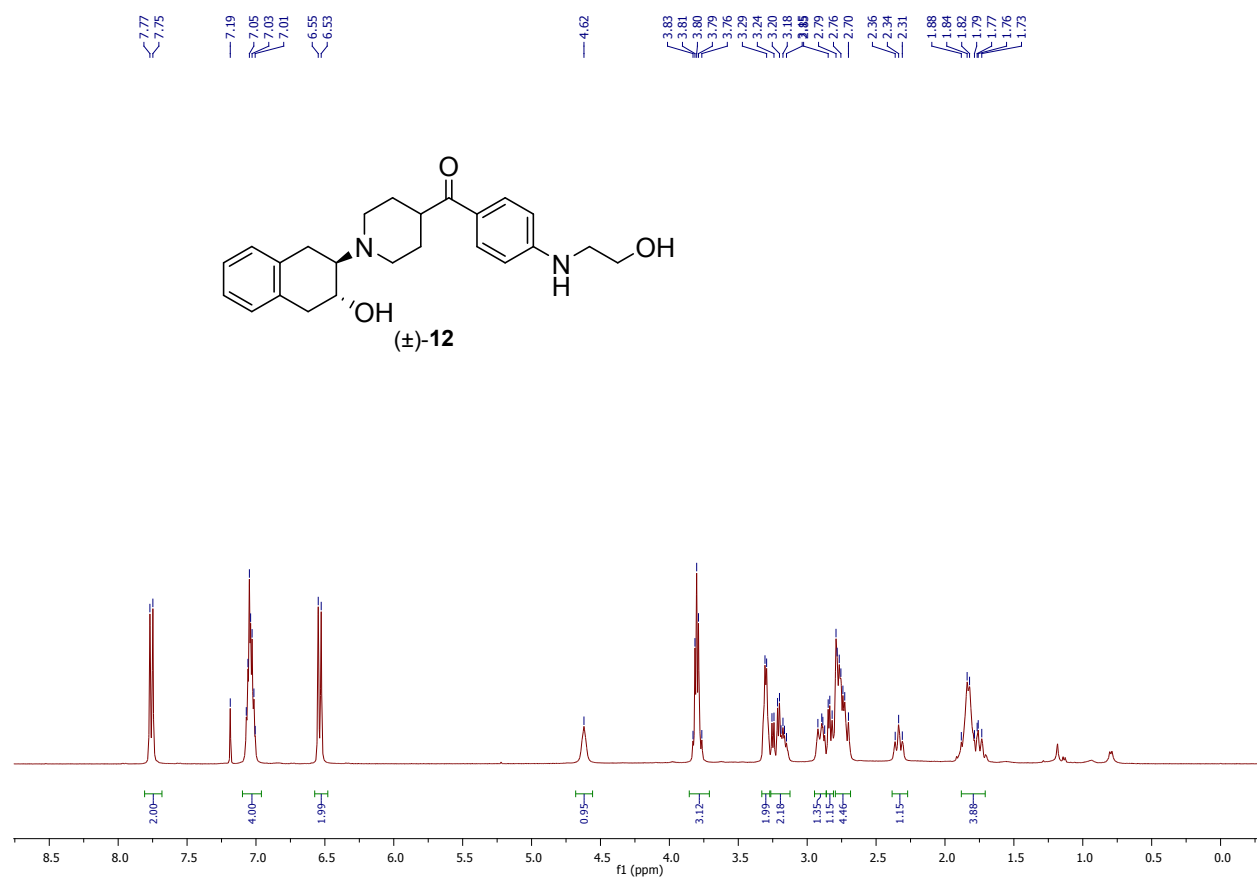
Supporting Information



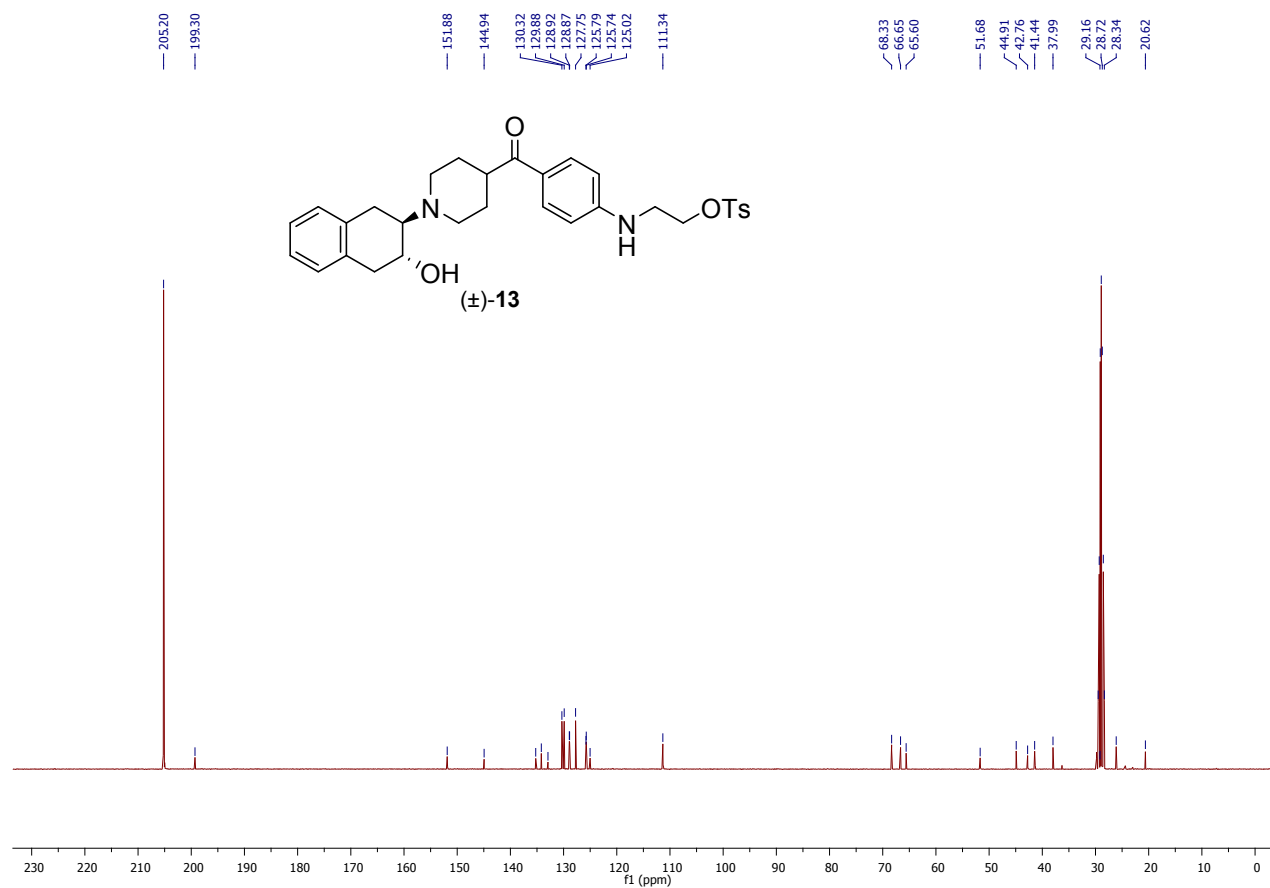
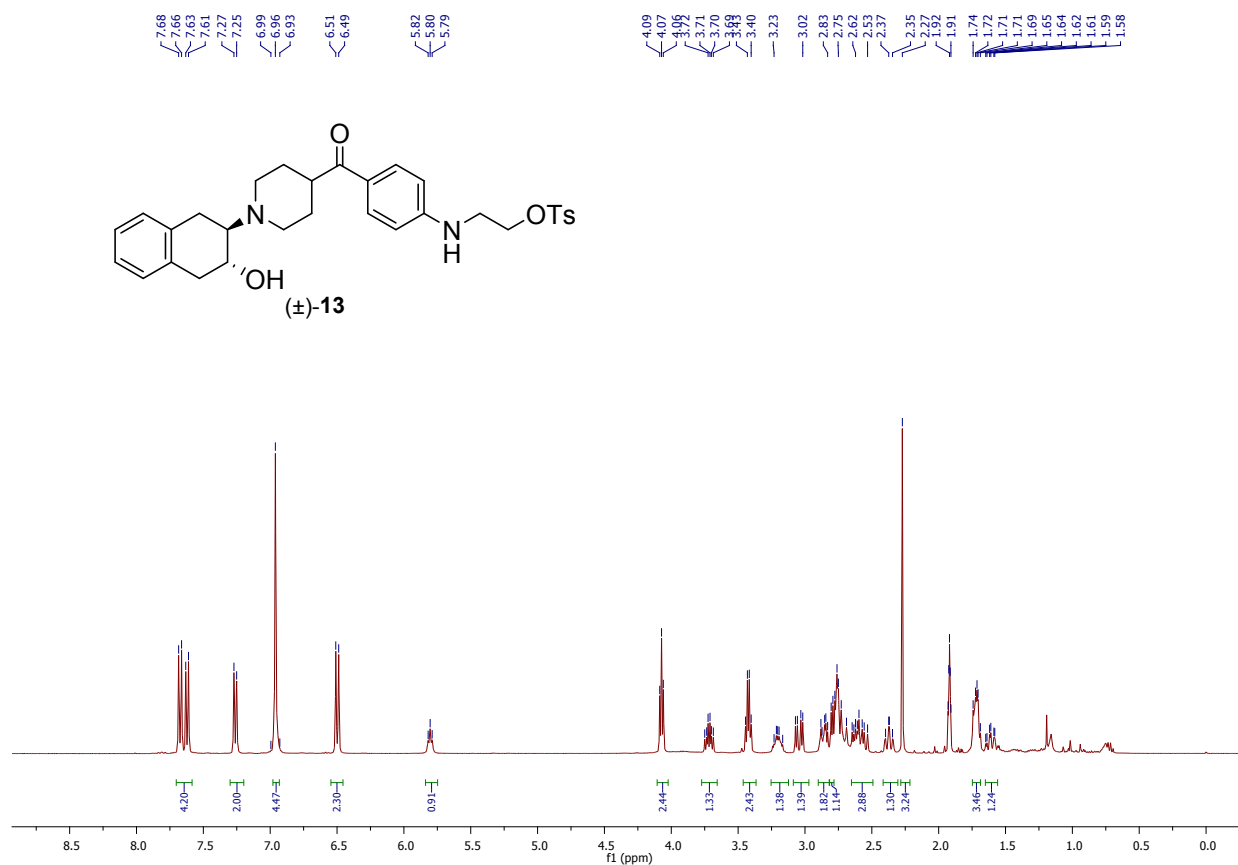
Supporting Information

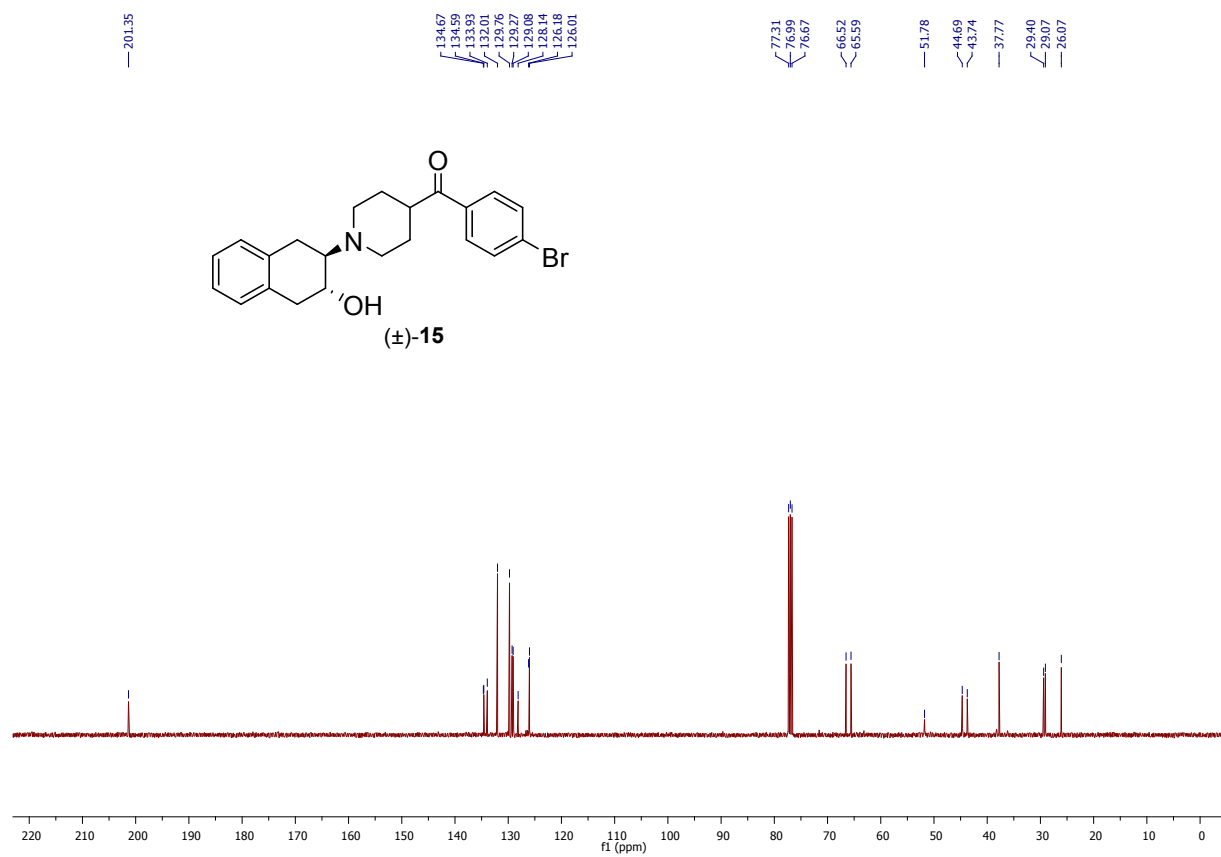
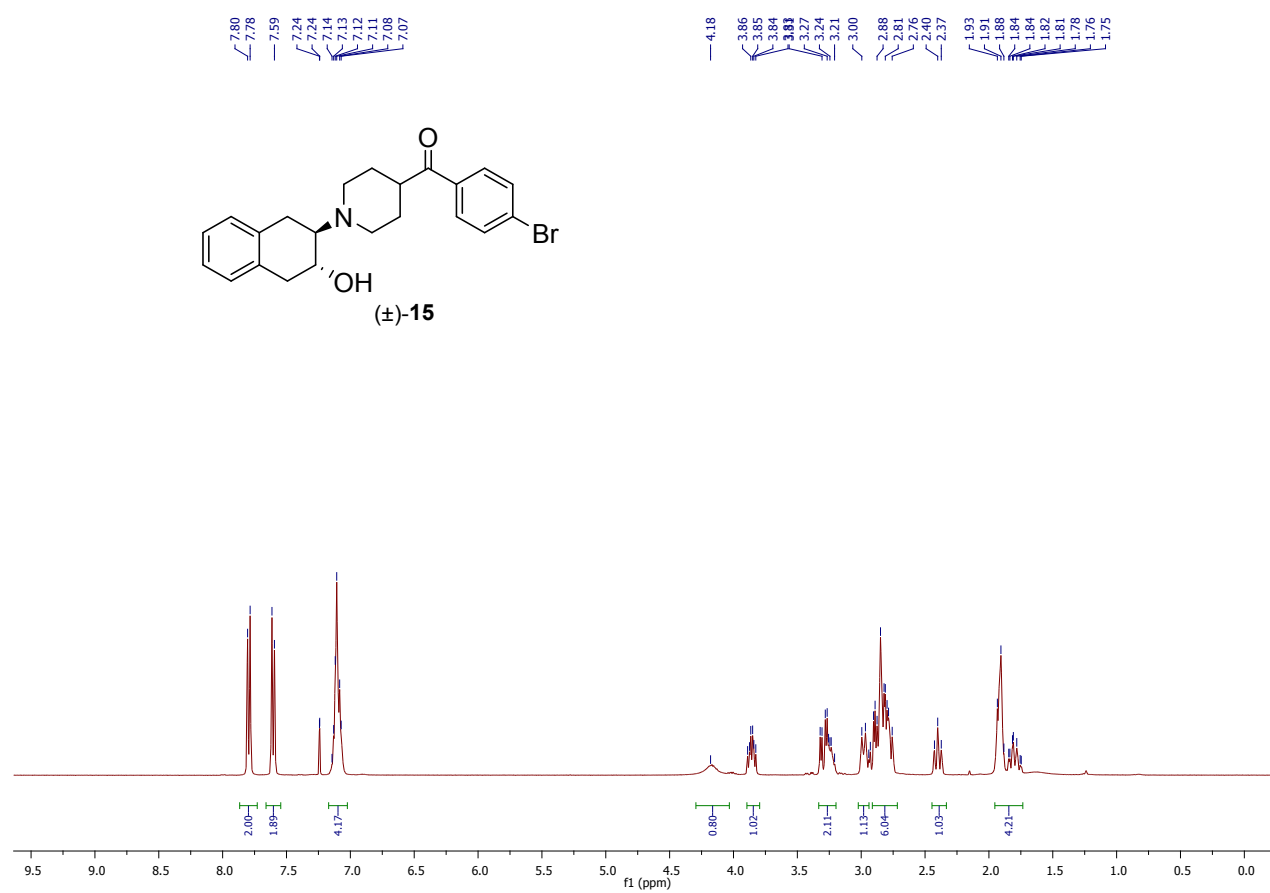


Supporting Information

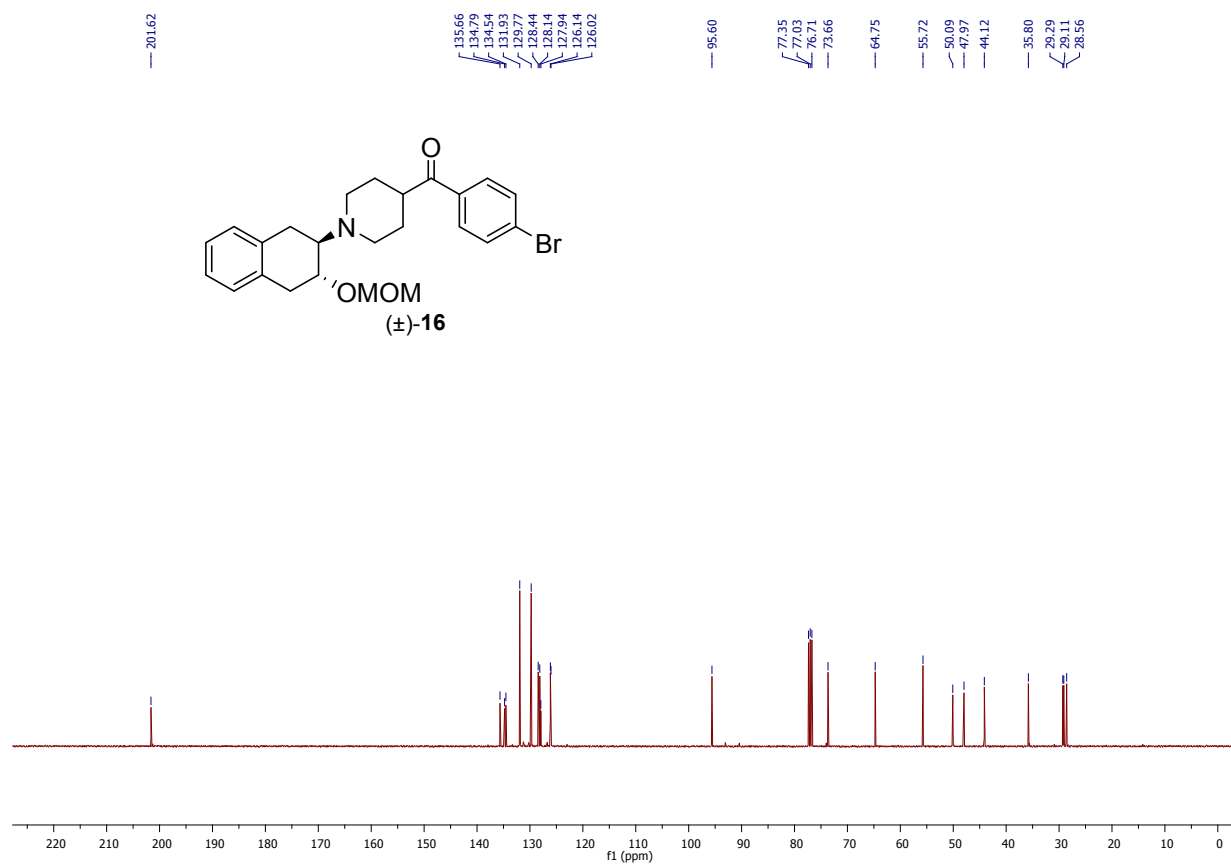
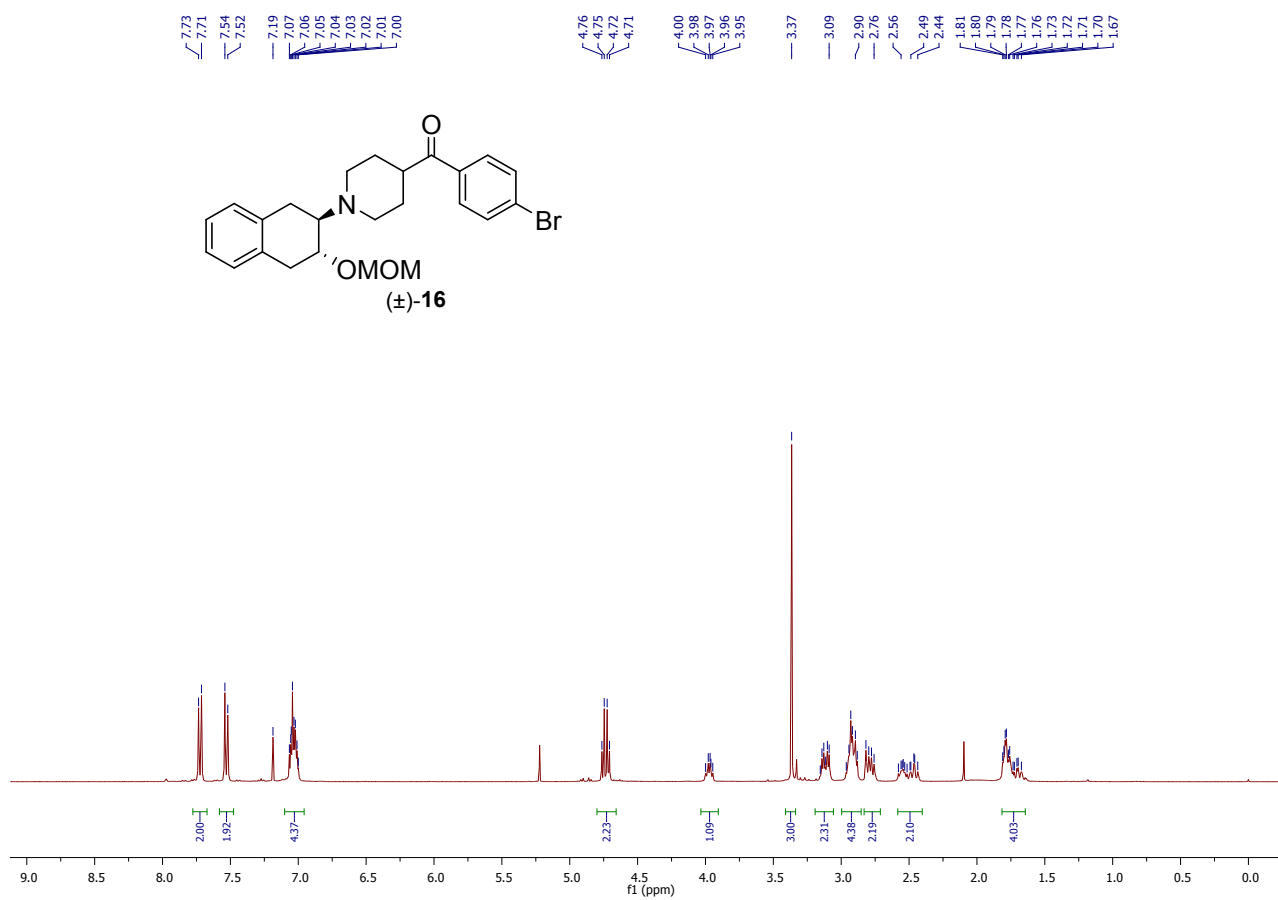


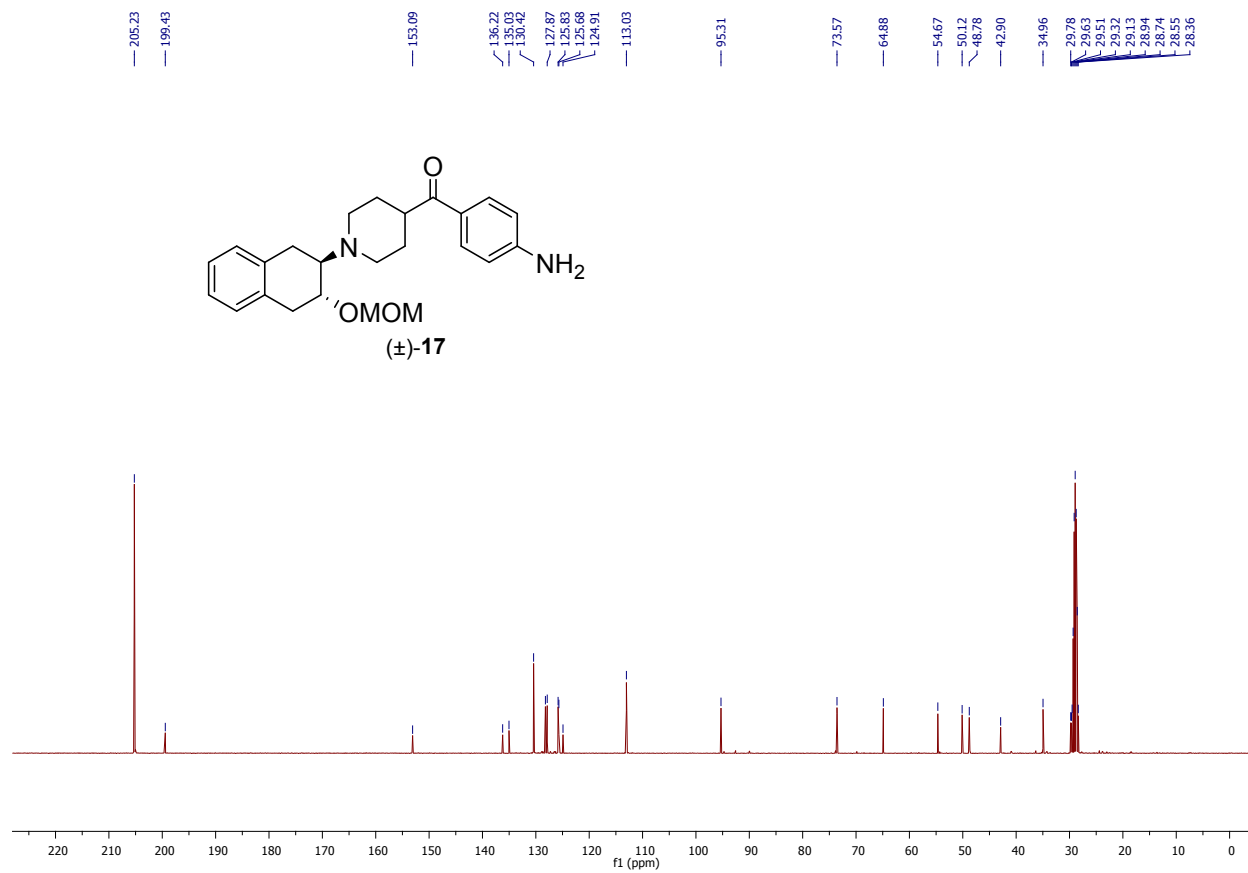
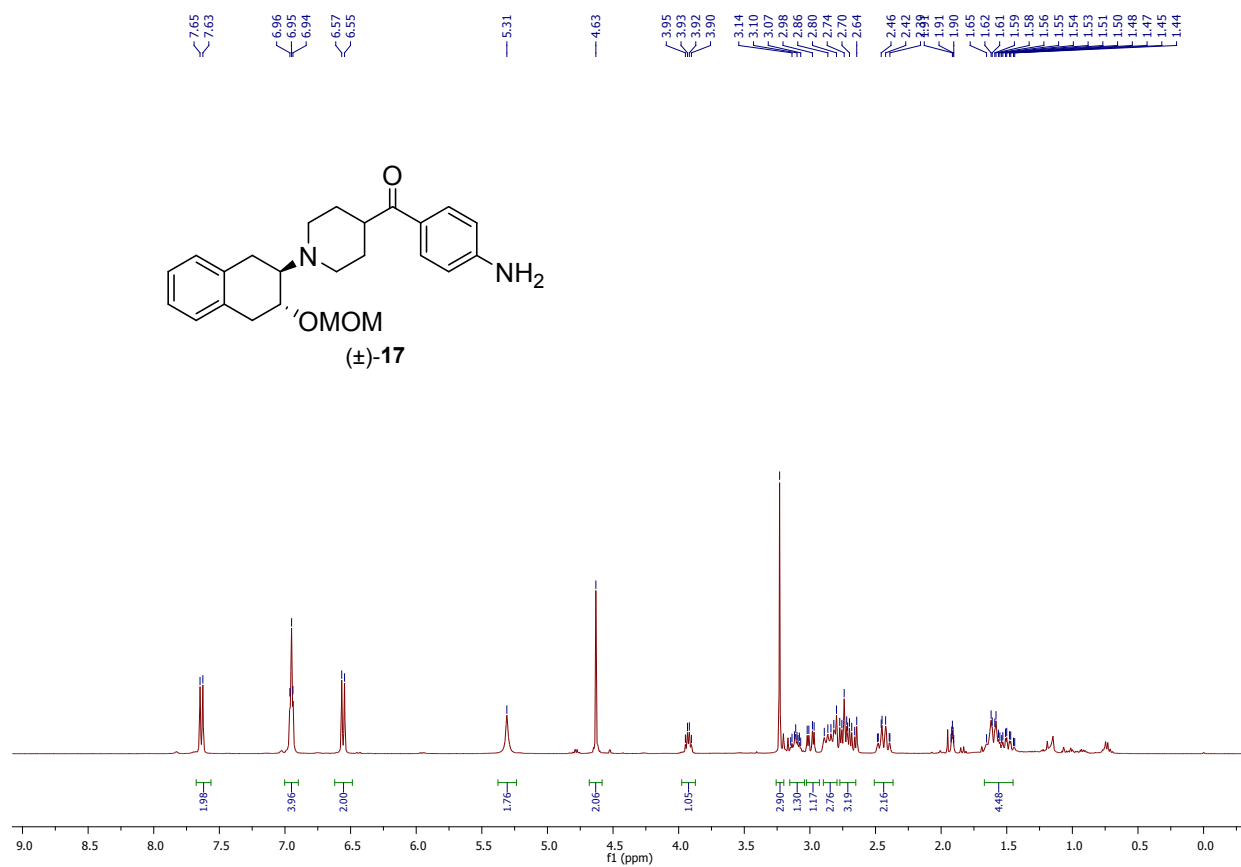
Supporting Information



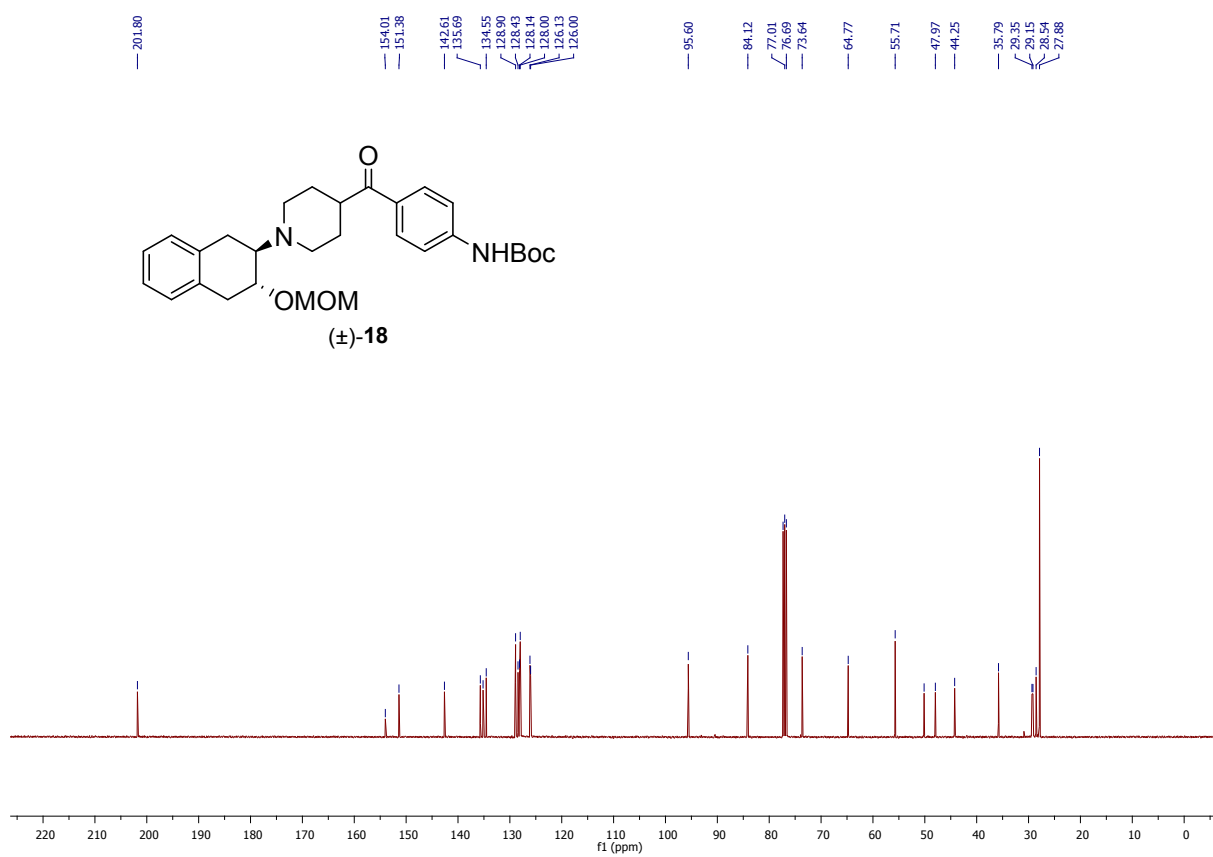
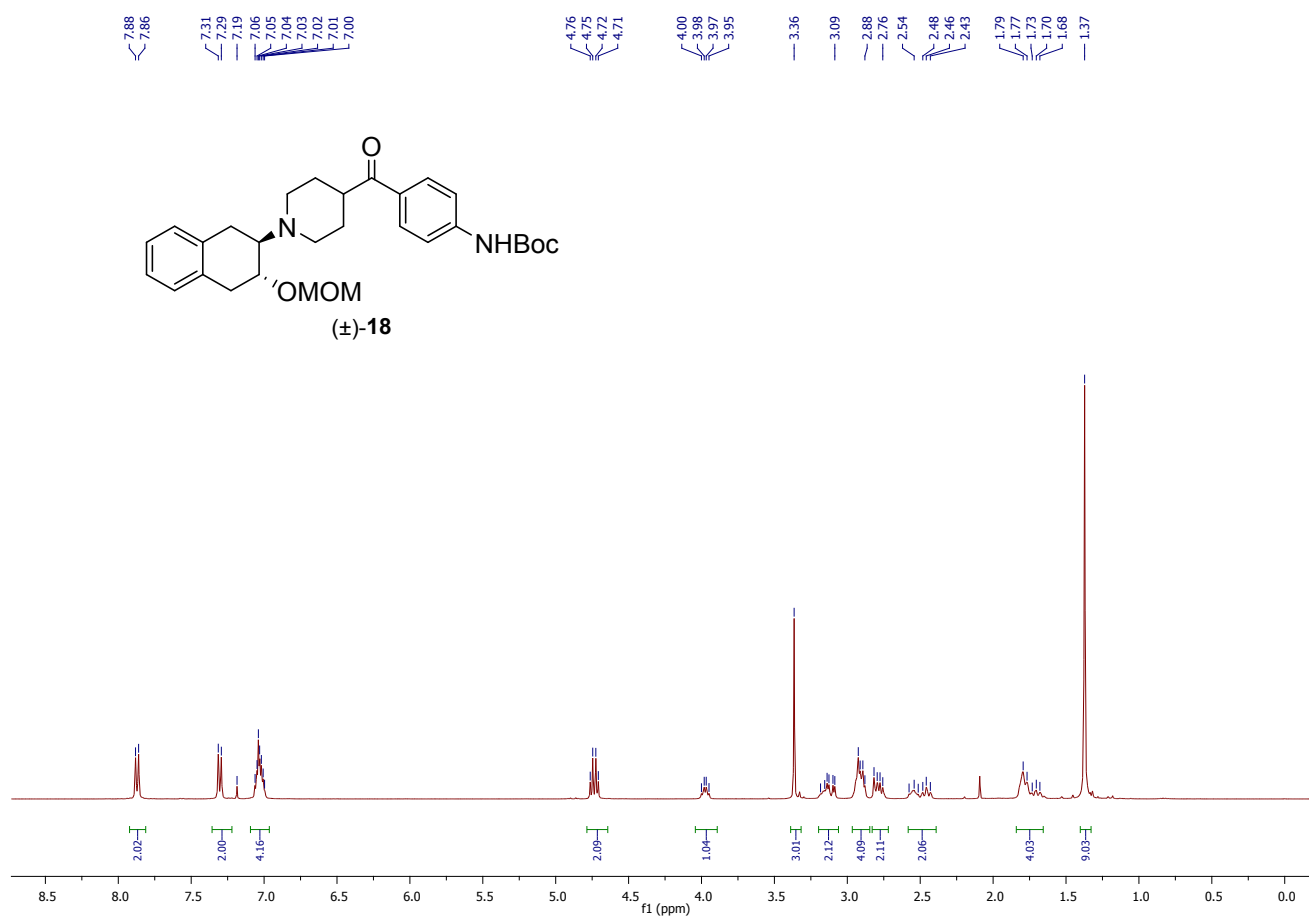


Supporting Information

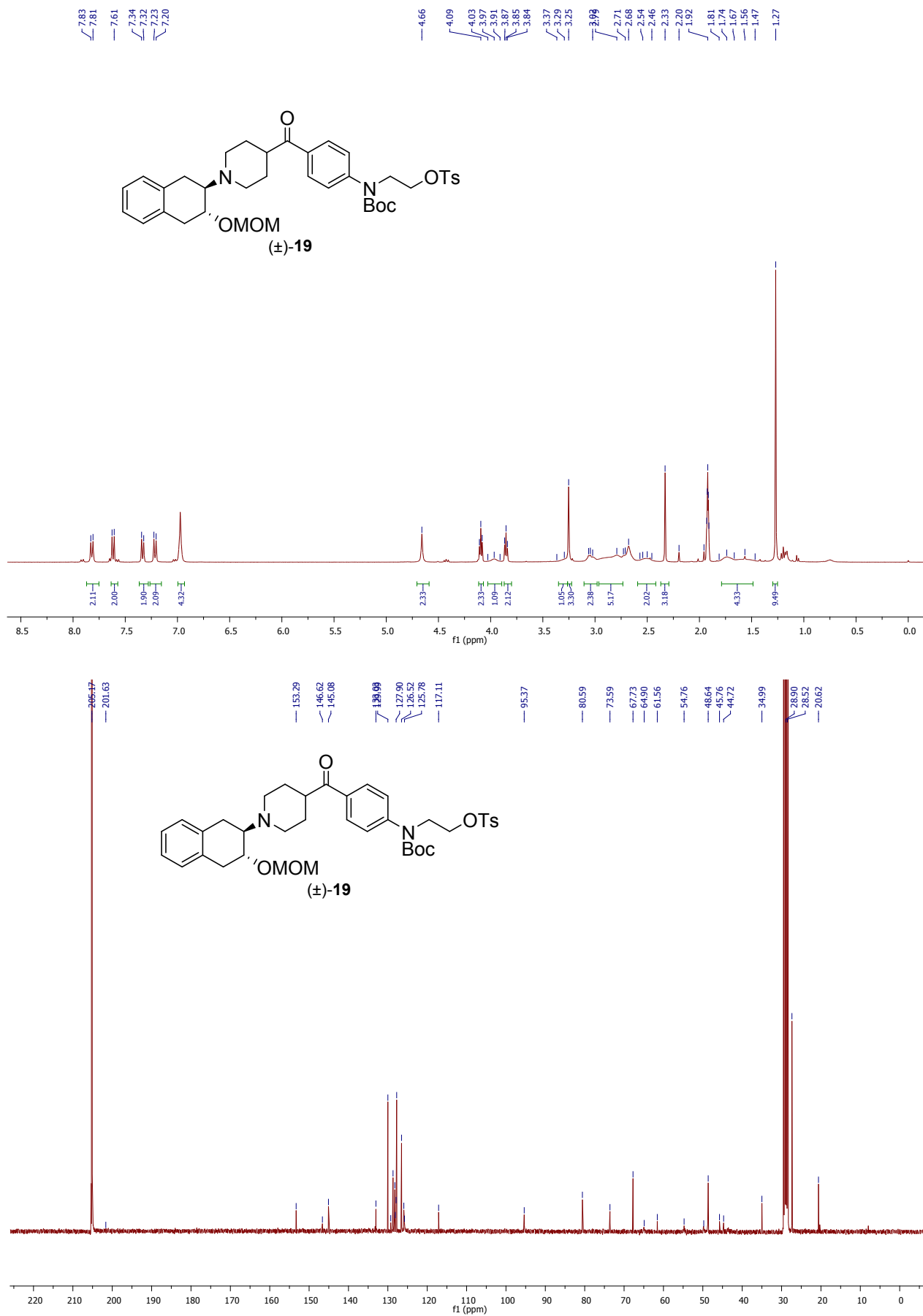




Supporting Information



Supporting Information



Supporting Information

