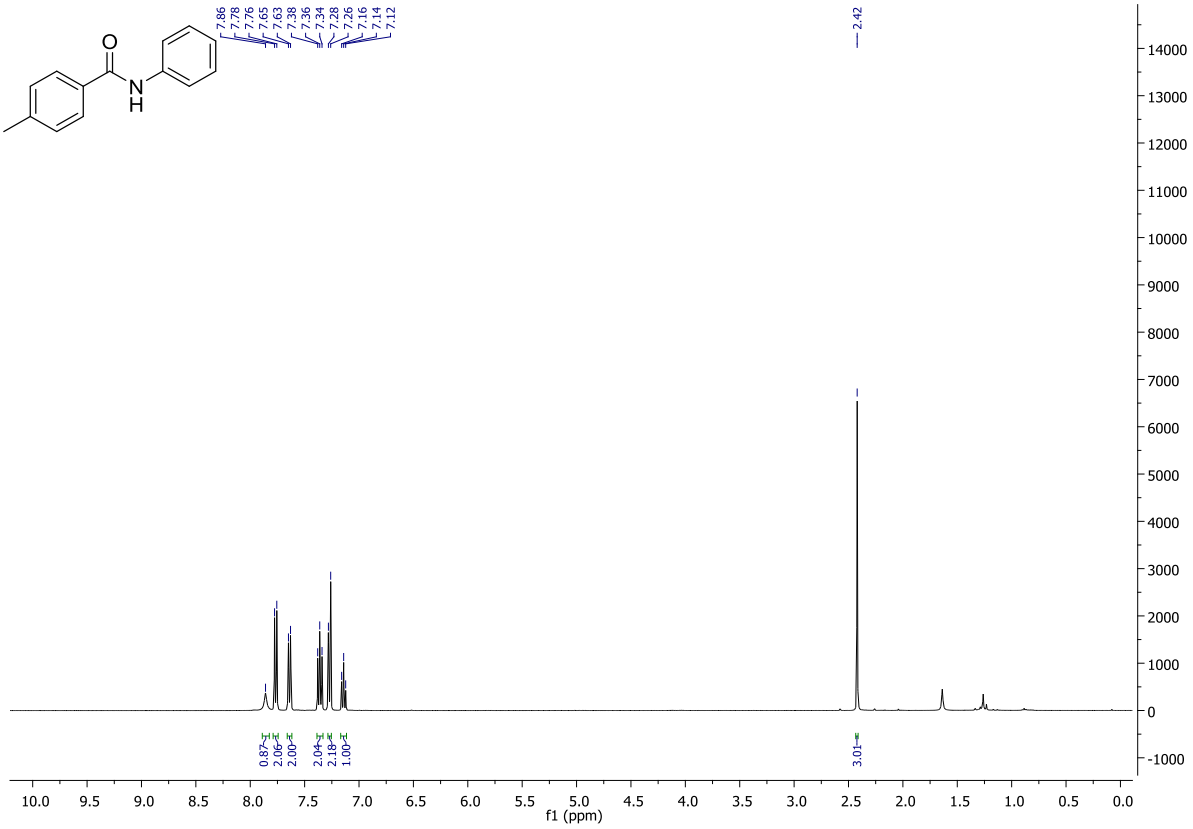
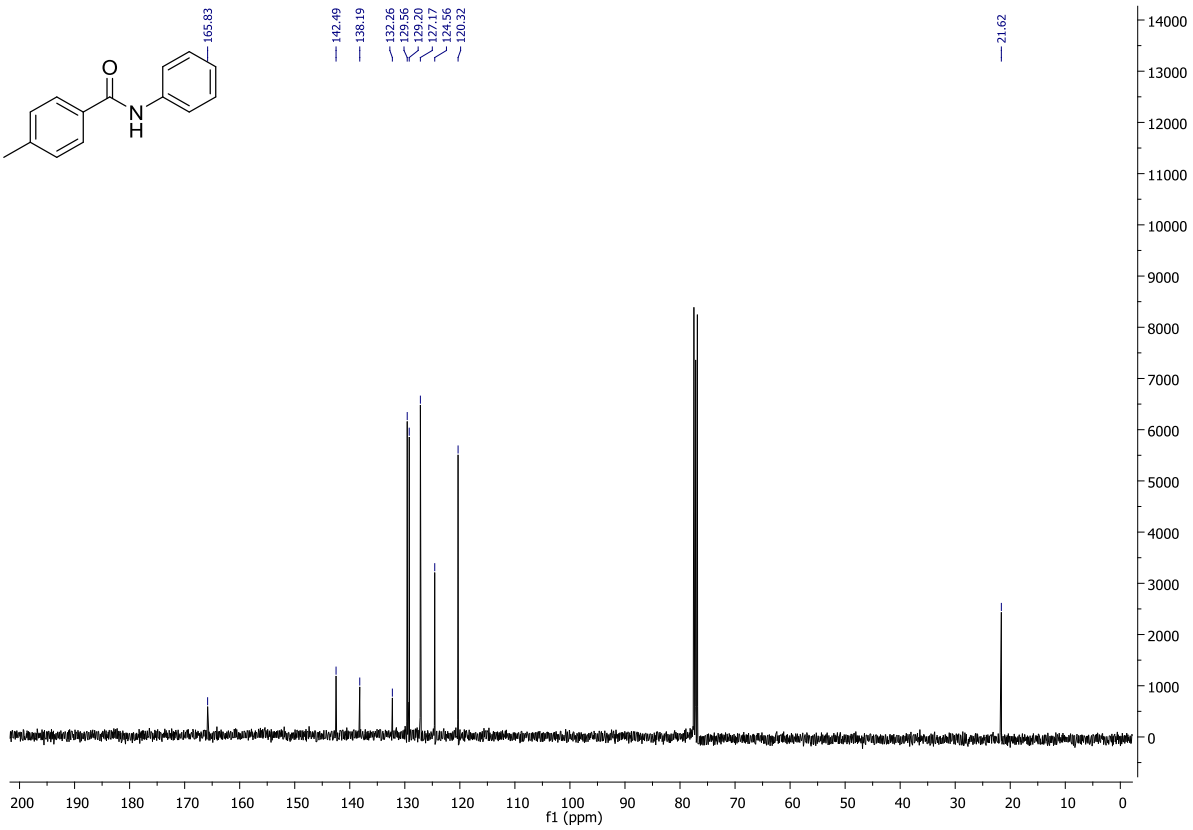
8. NMR spectra for Products from Schemes 1 and 2

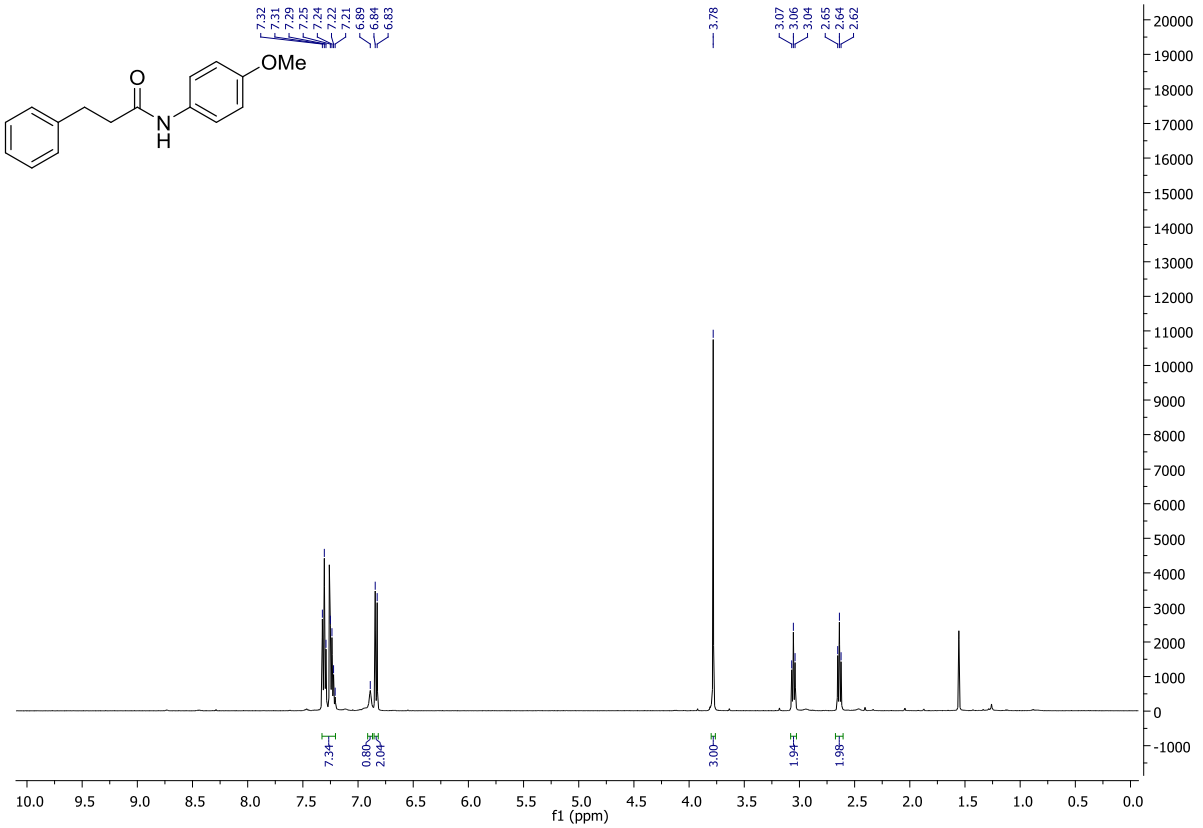
^{1}H NMR of 3a



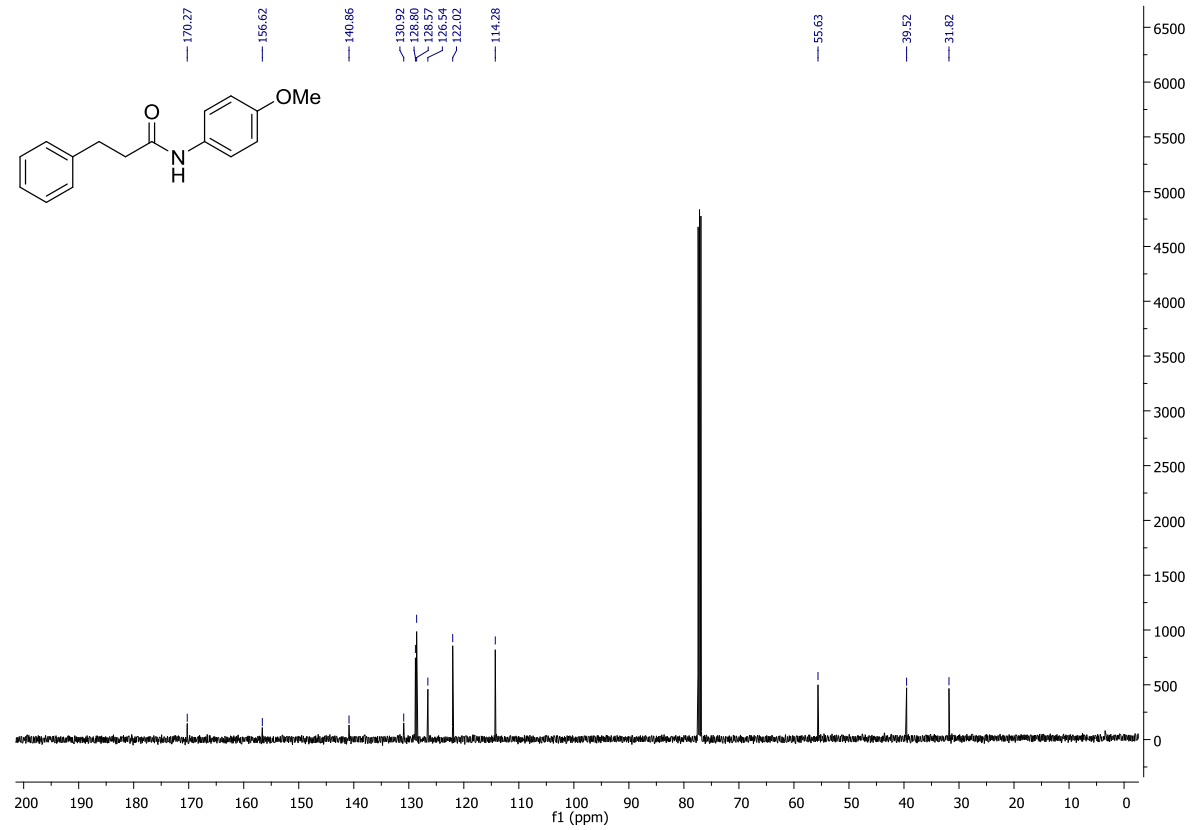
^{13}C NMR of 3a



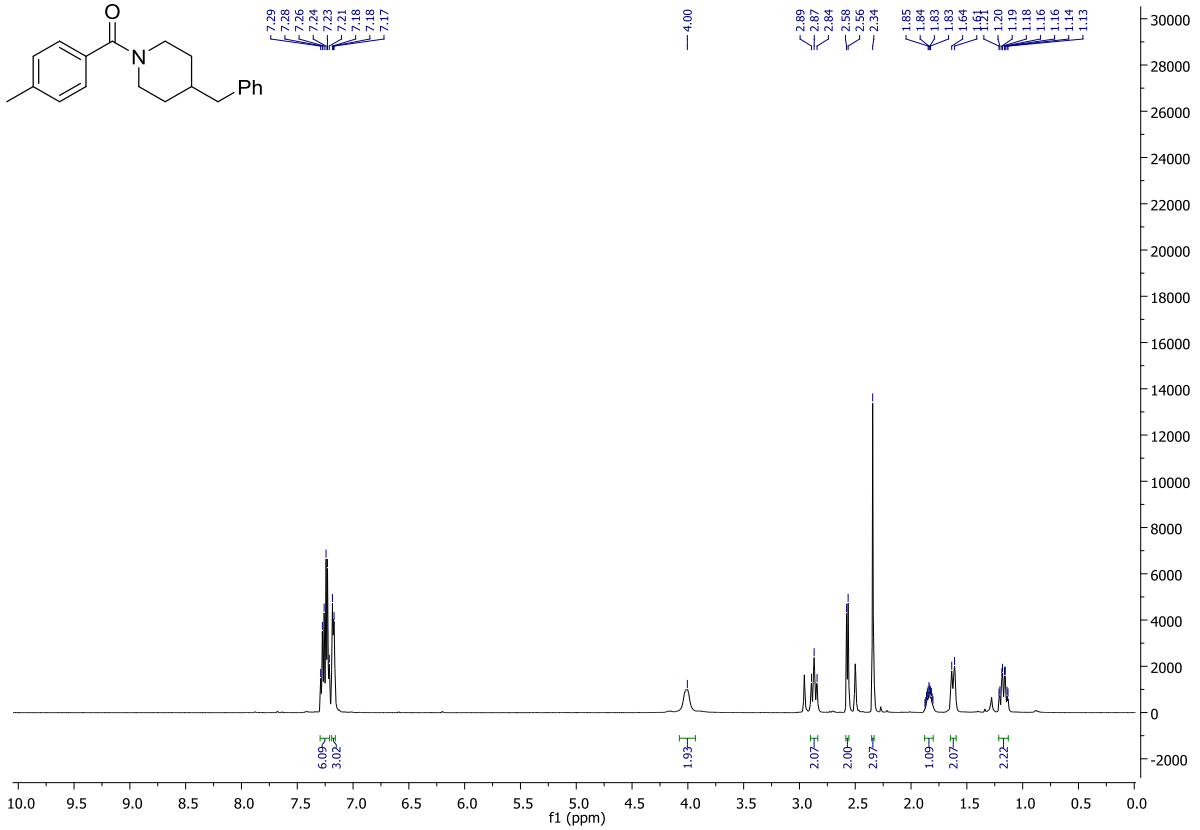
^{1}H NMR of 3b



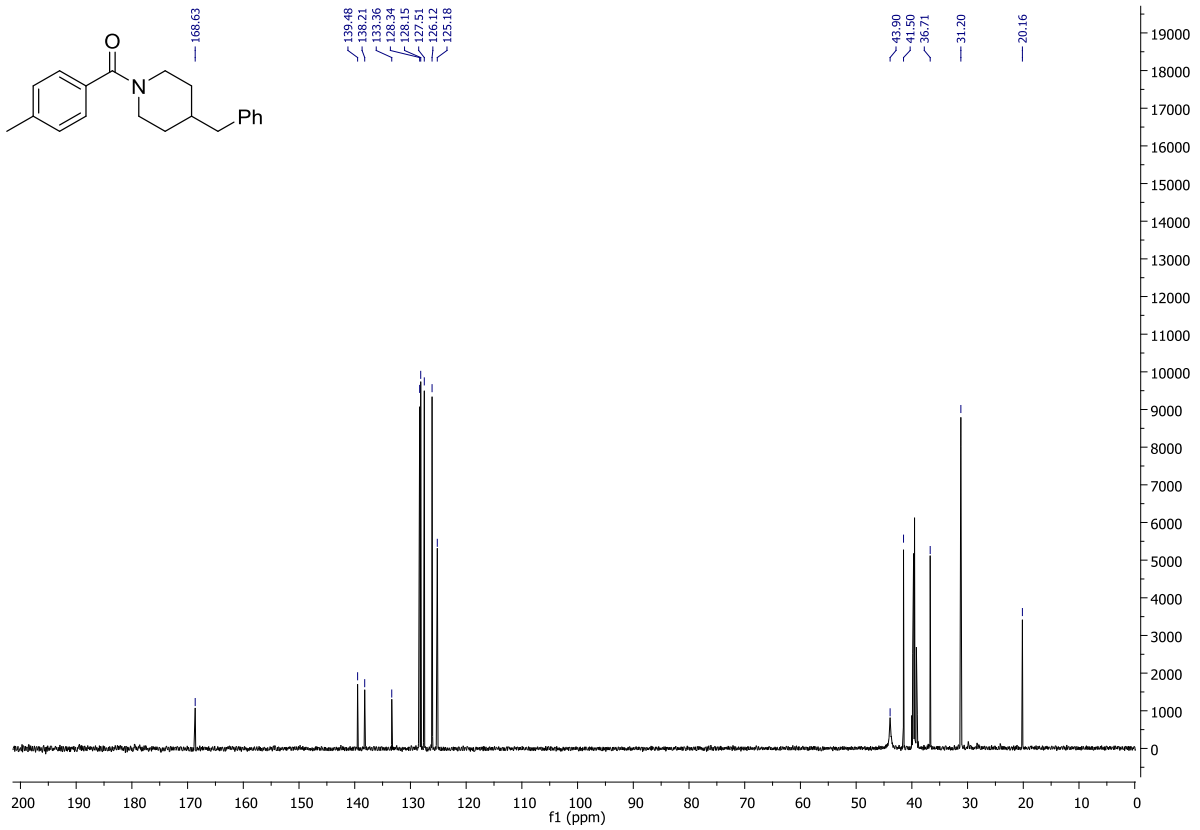
^{13}C NMR of 3b



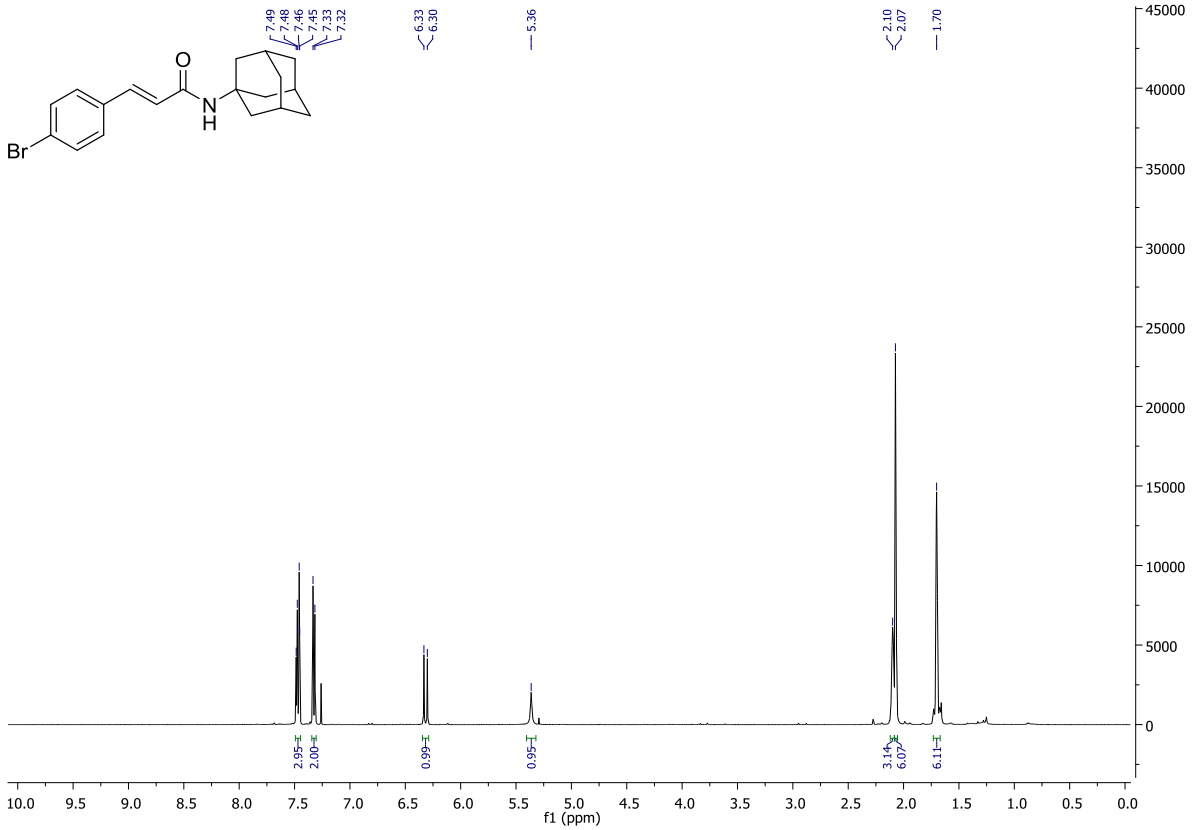
^{1}H NMR of 3c



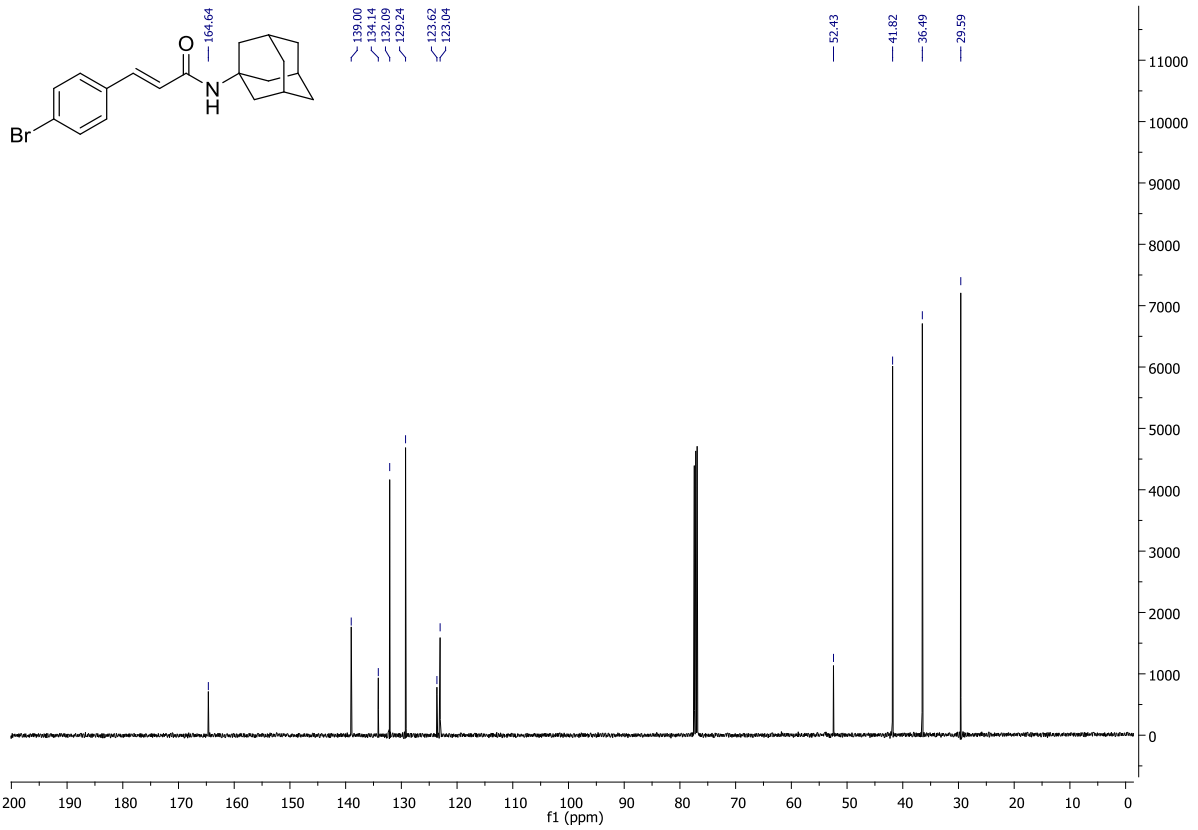
^{13}C NMR of 3c



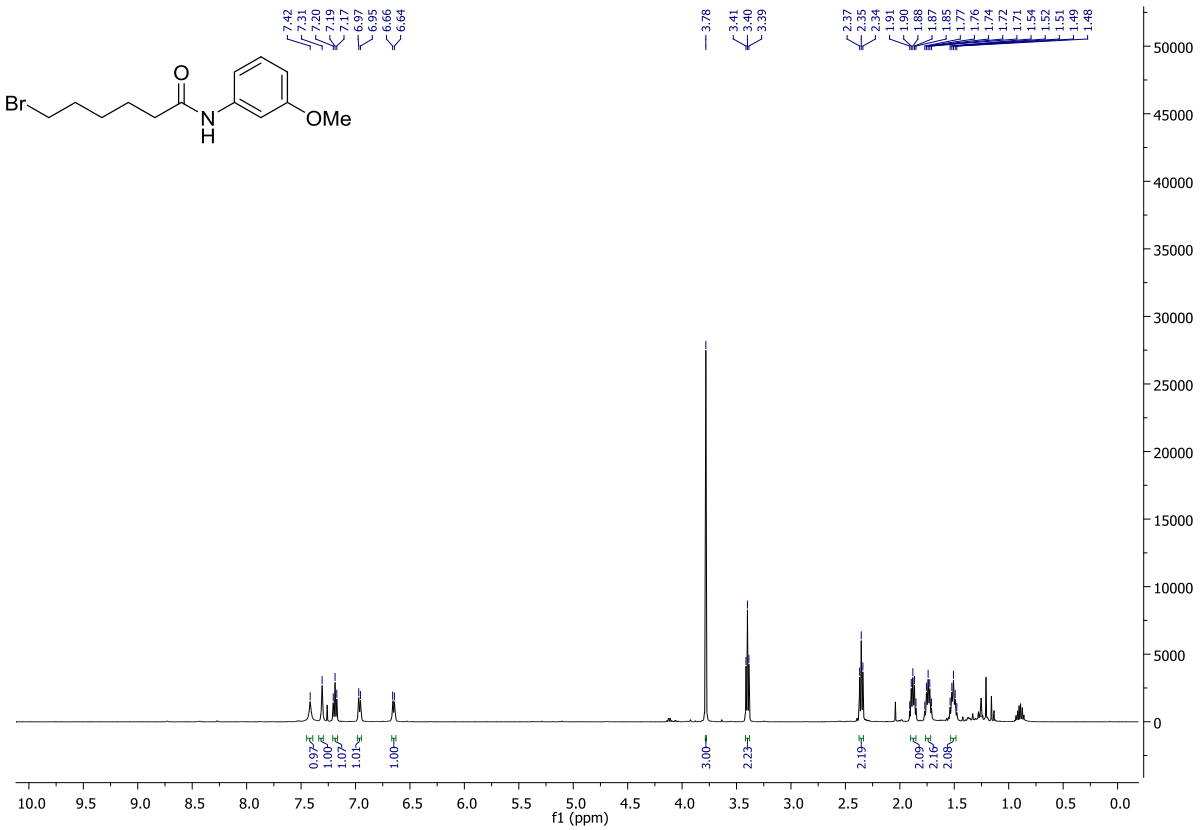
^{1}H NMR of 3d



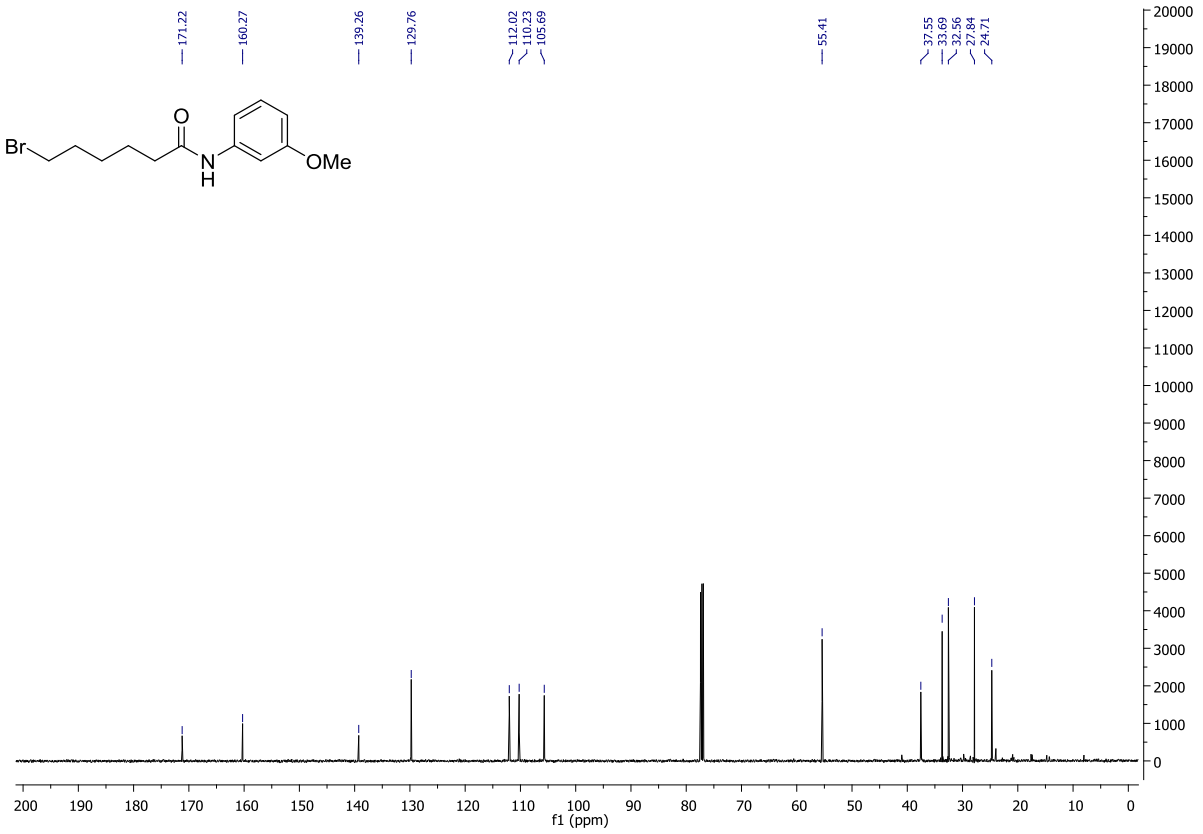
^{13}C NMR of 3d



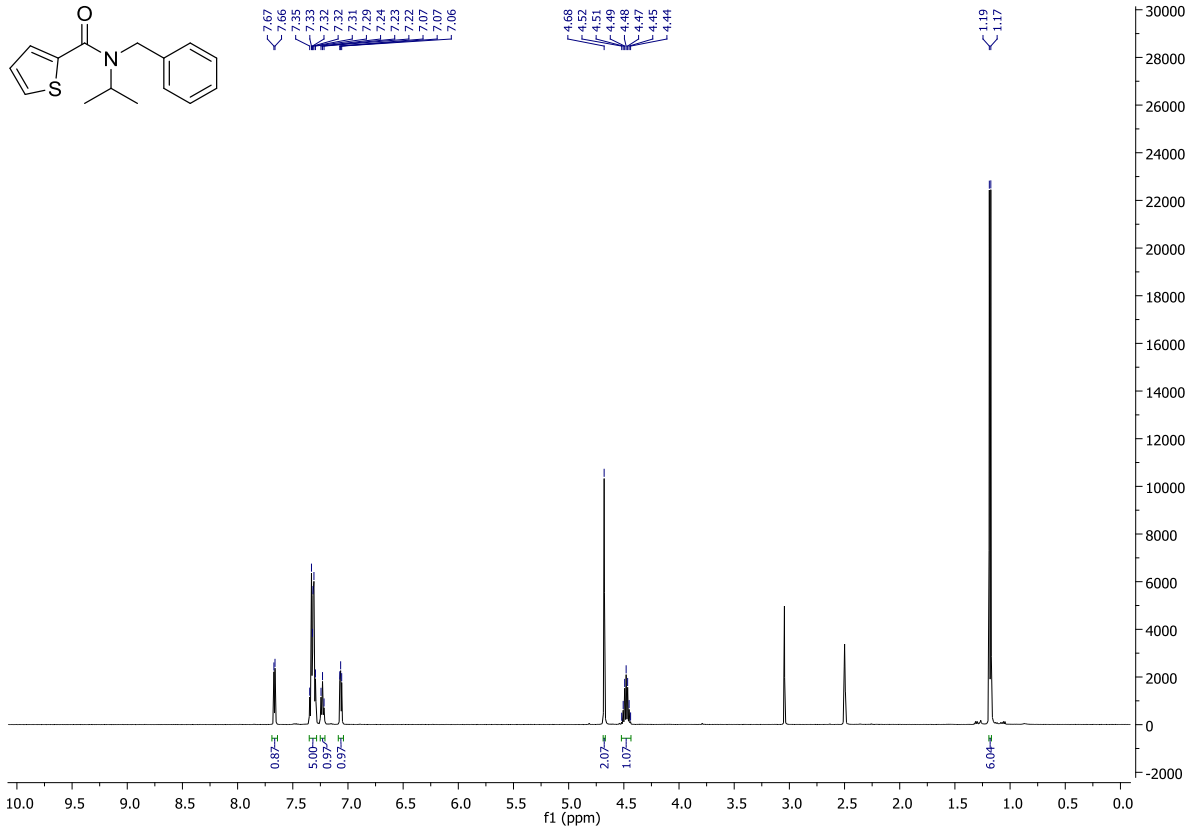
^{1}H NMR of 3e



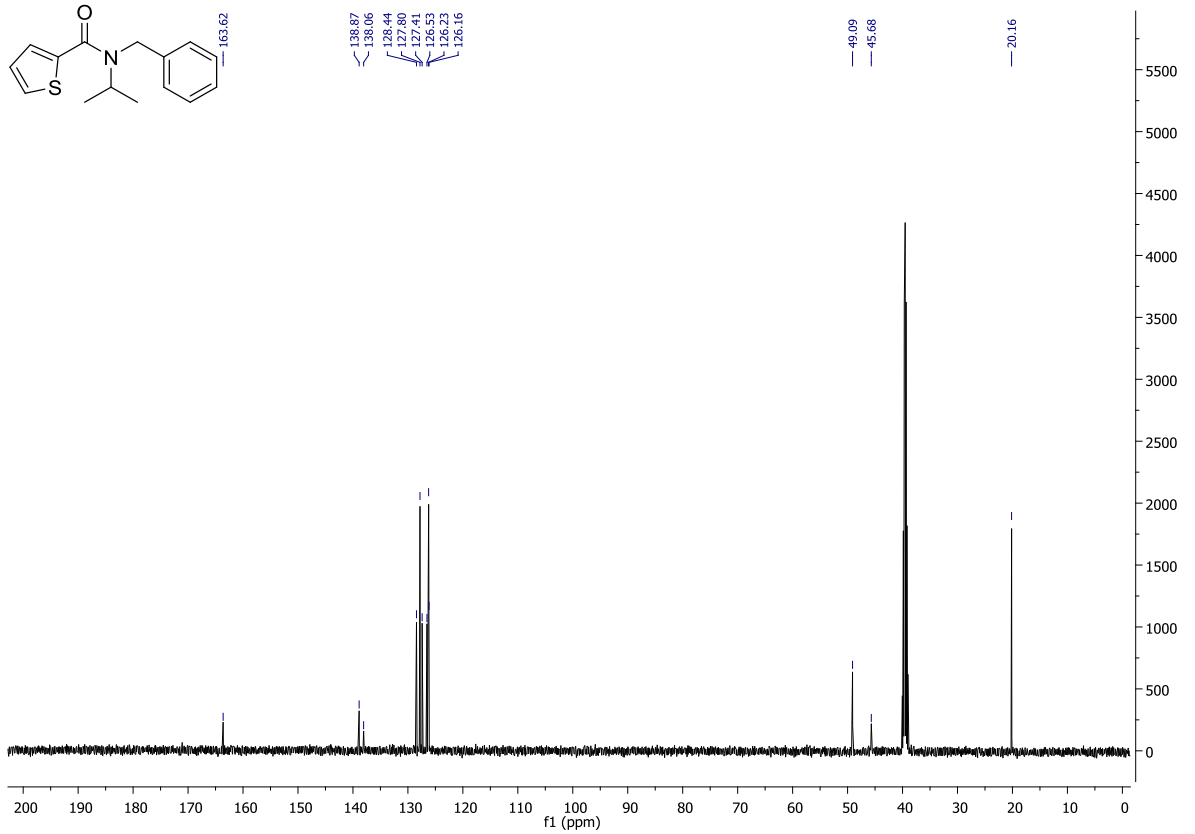
^{13}C NMR of 3e



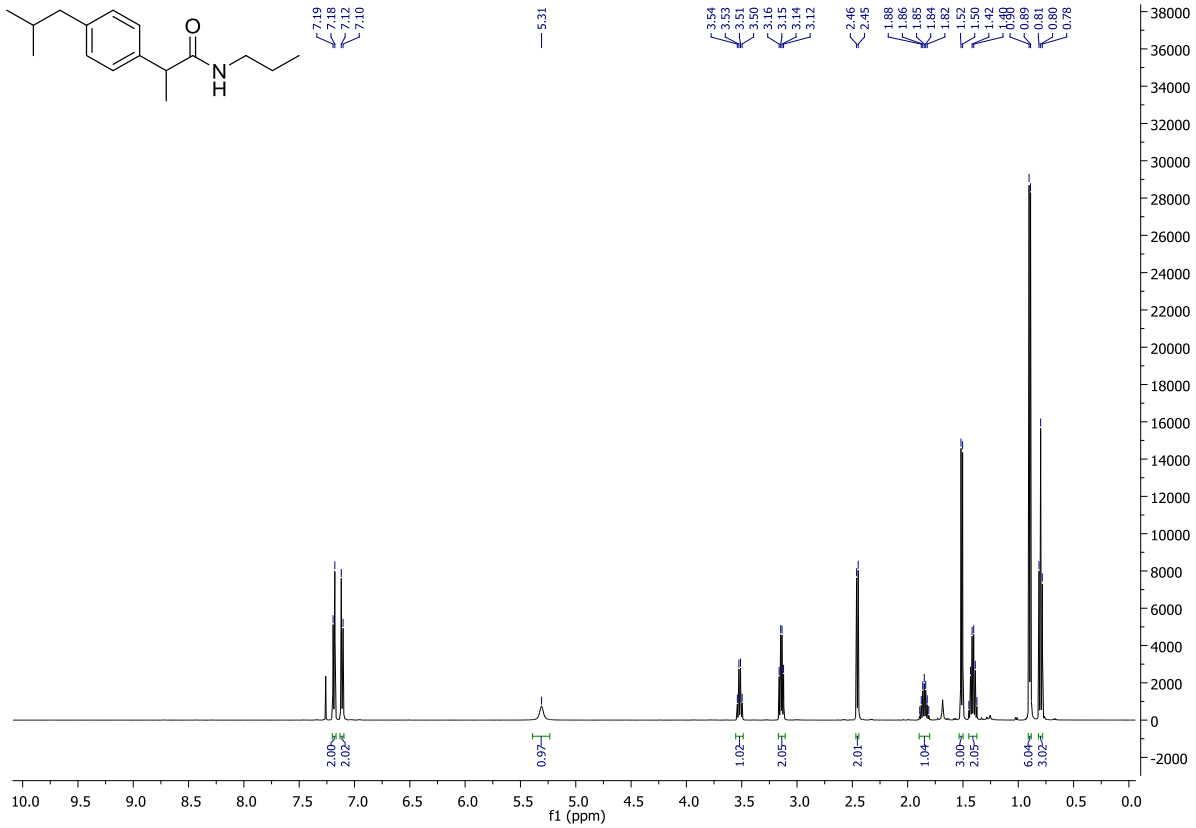
^{1}H NMR of 3f



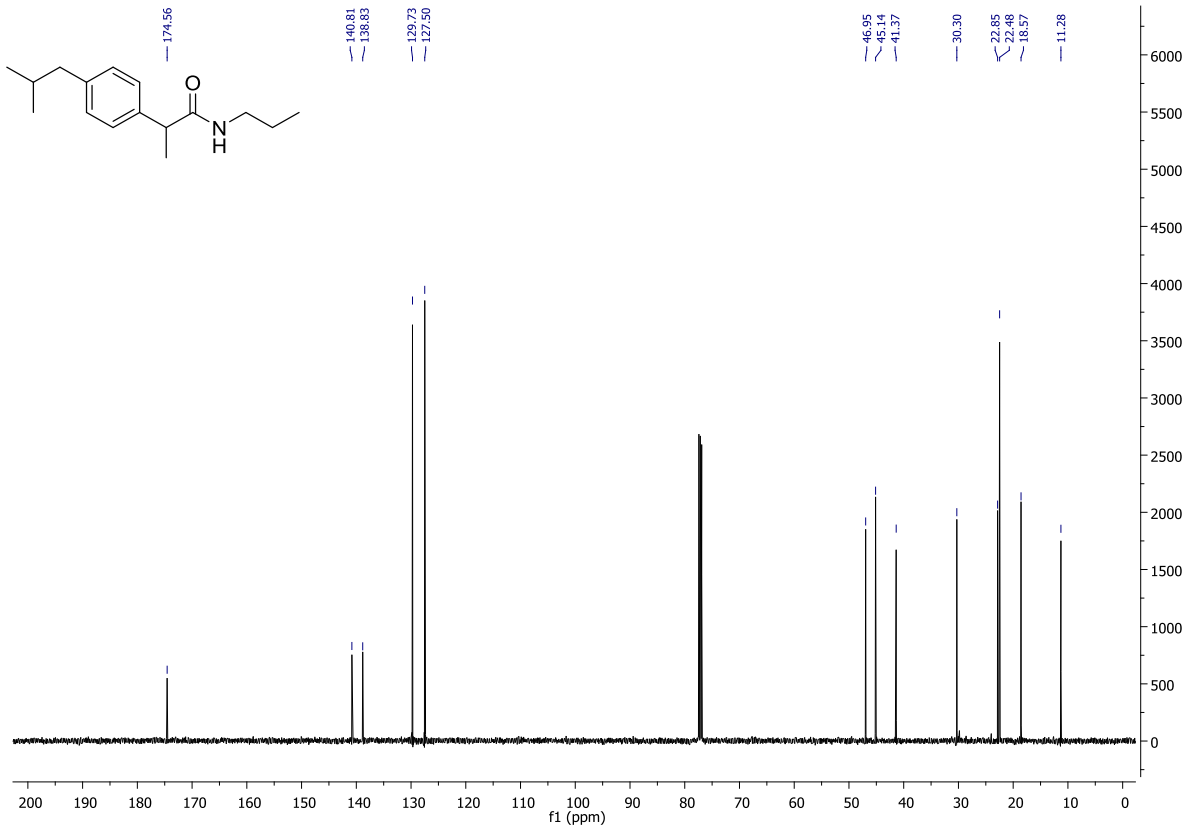
^{13}C NMR of 3f



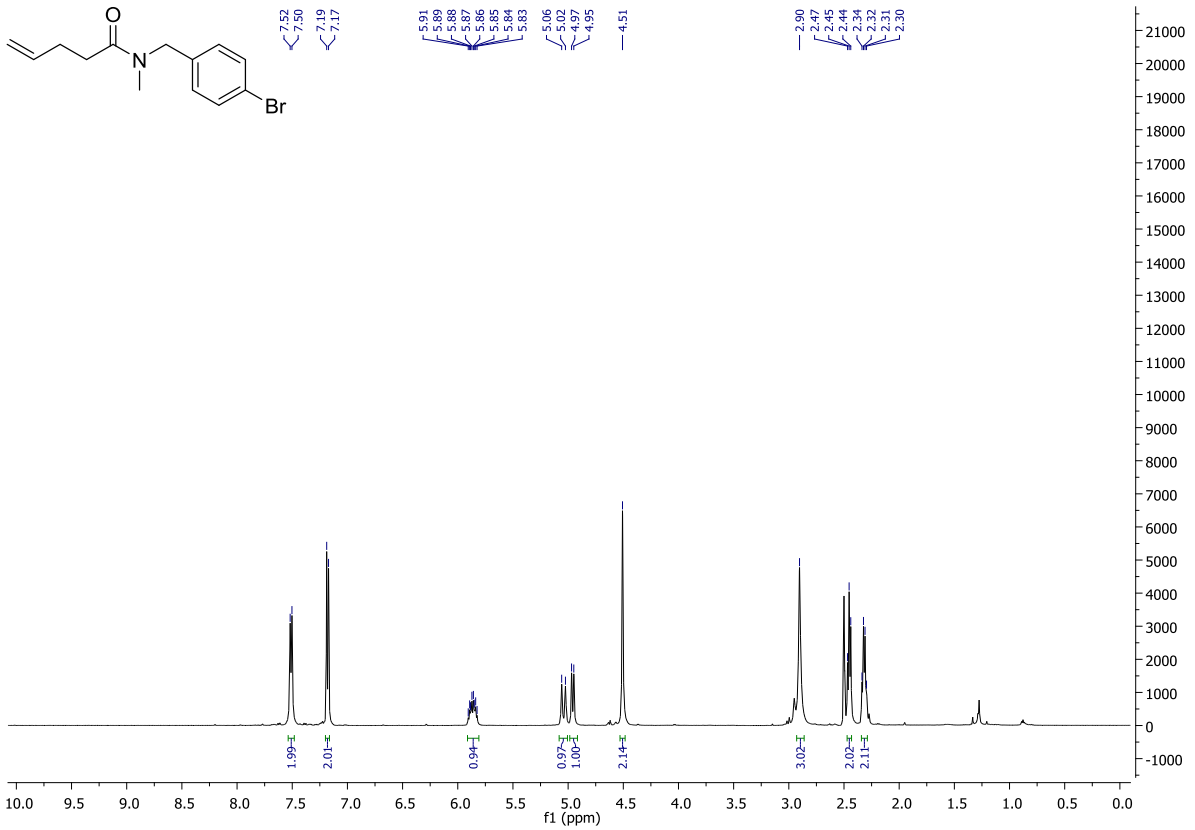
^{1}H NMR of 3g



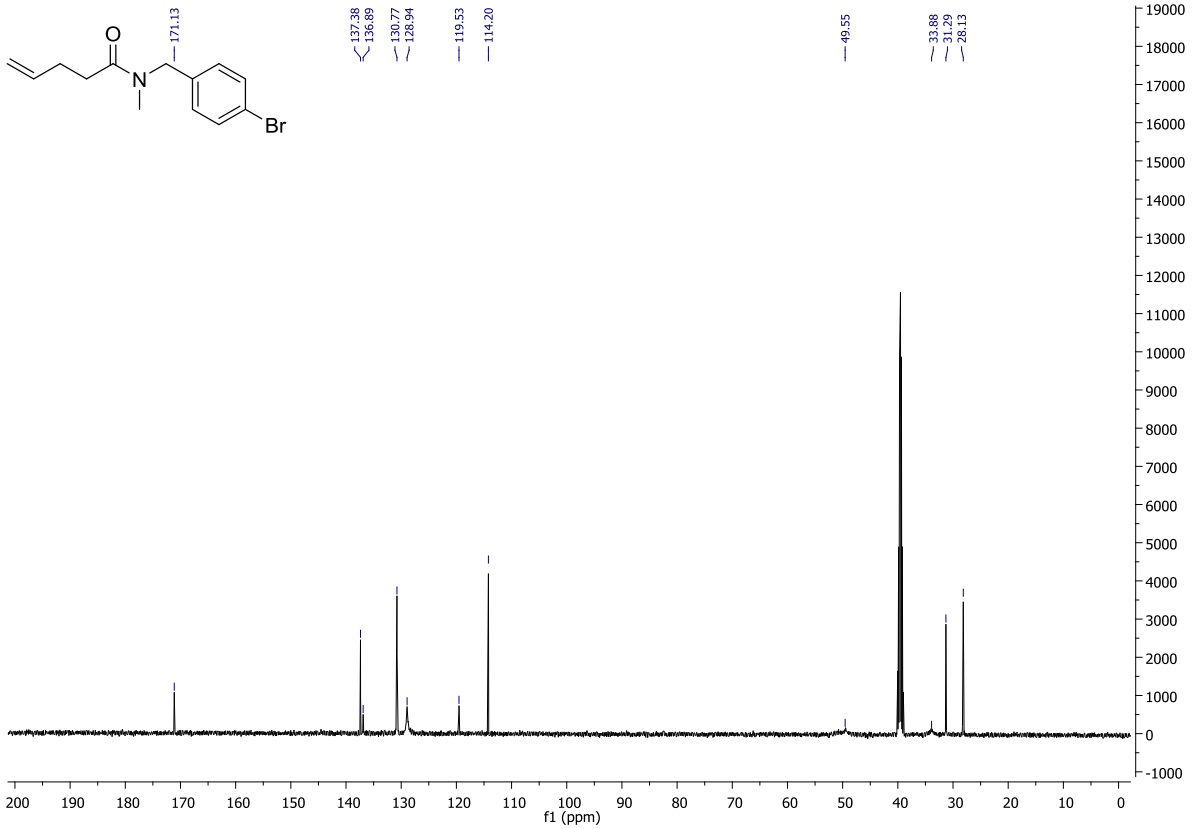
^{13}C NMR of 3g



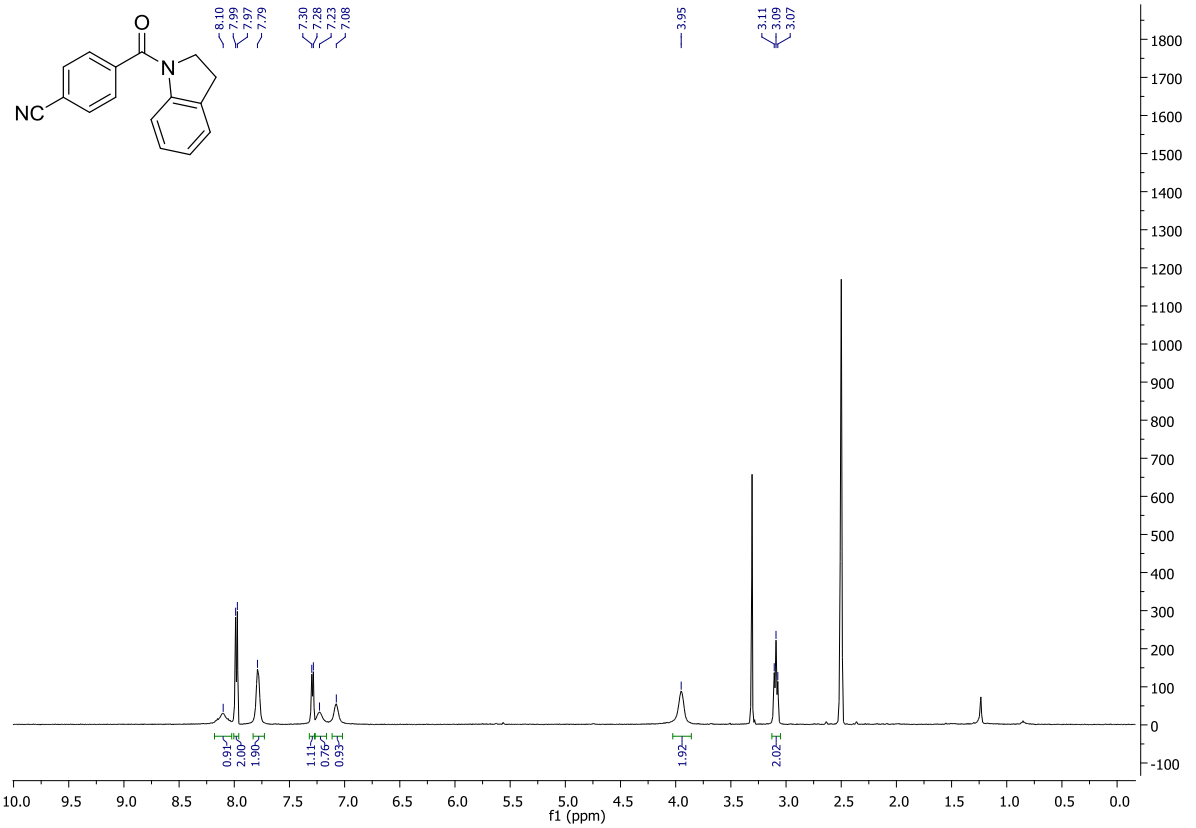
^{1}H NMR of 3h



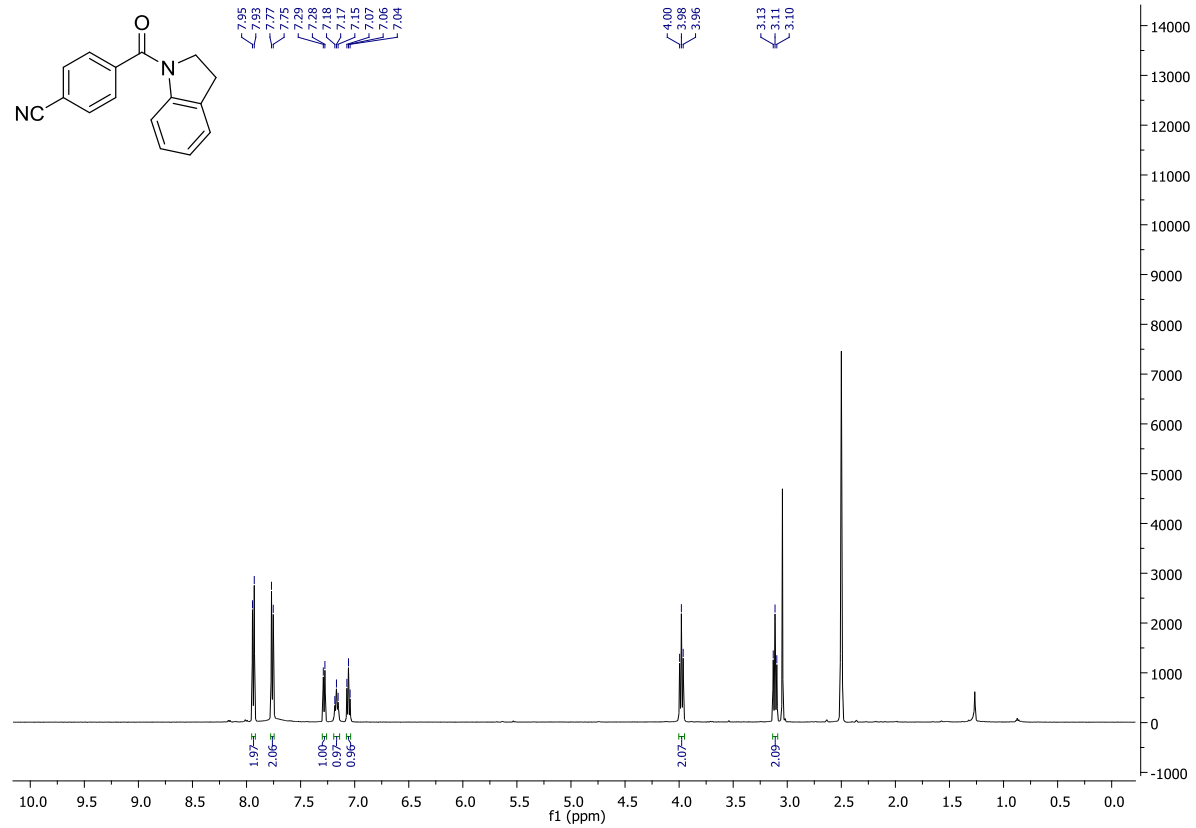
^{13}C NMR of 3h



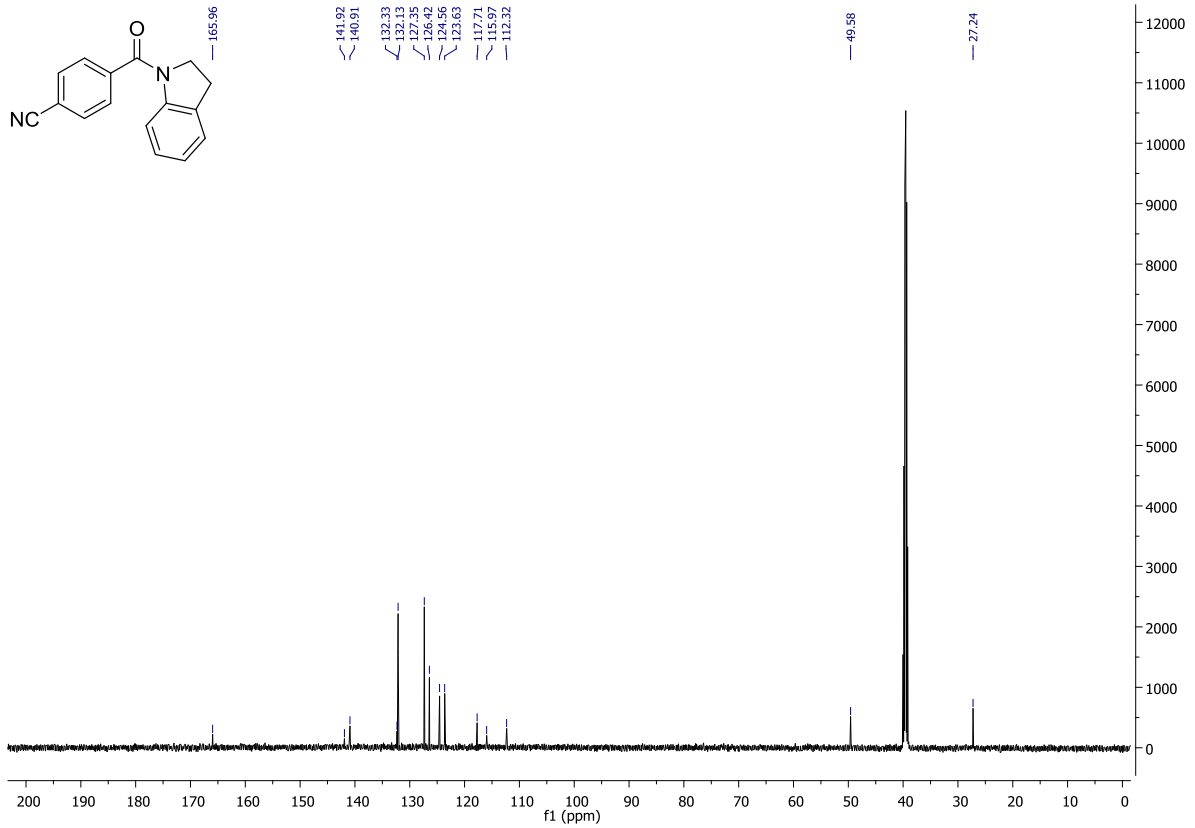
^{1}H NMR of 3i – 300 K



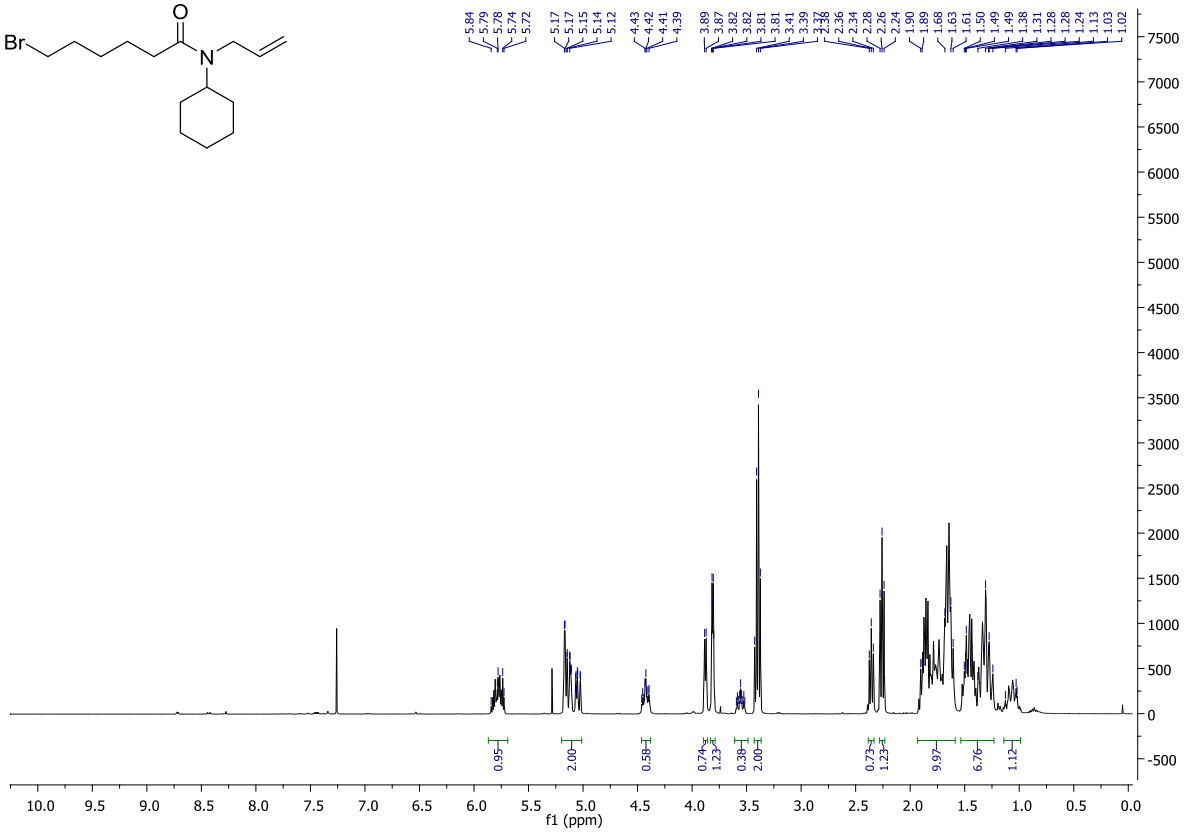
^{1}H NMR of 3i – 355 K



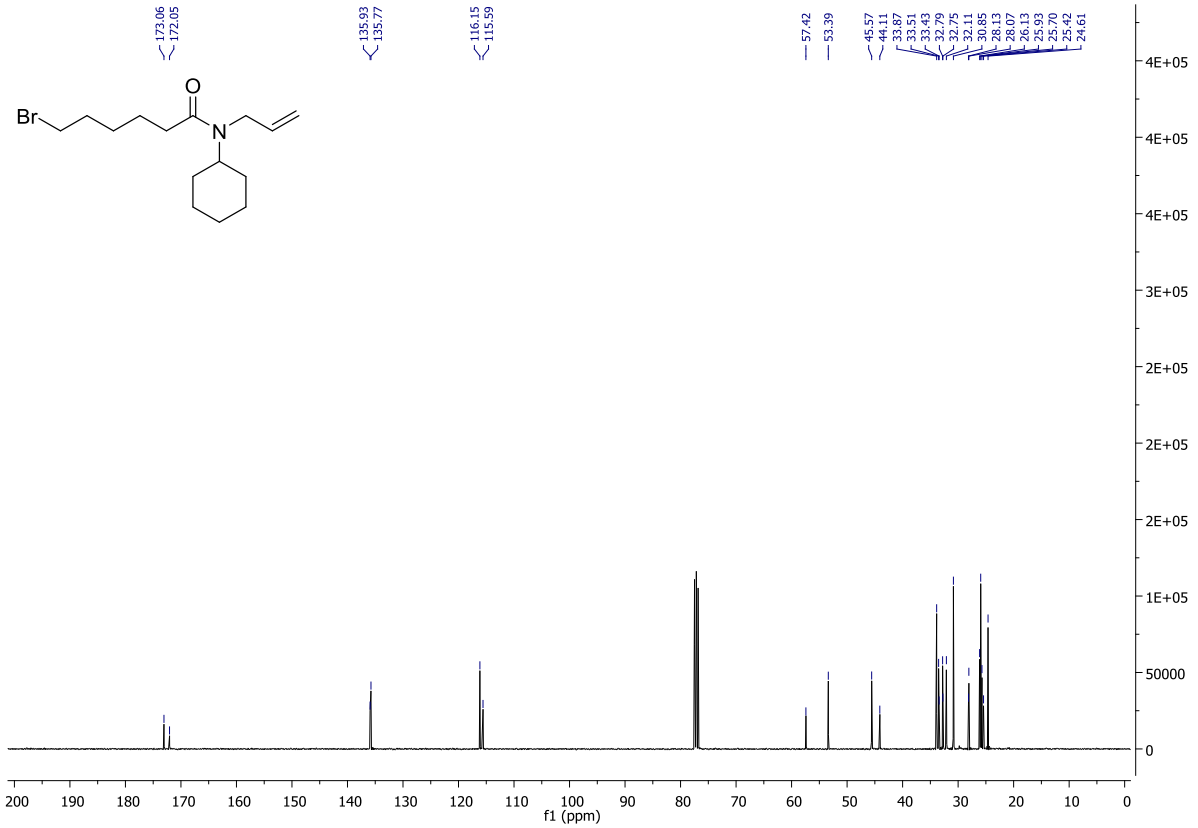
^{13}C NMR of 3i – 355 K



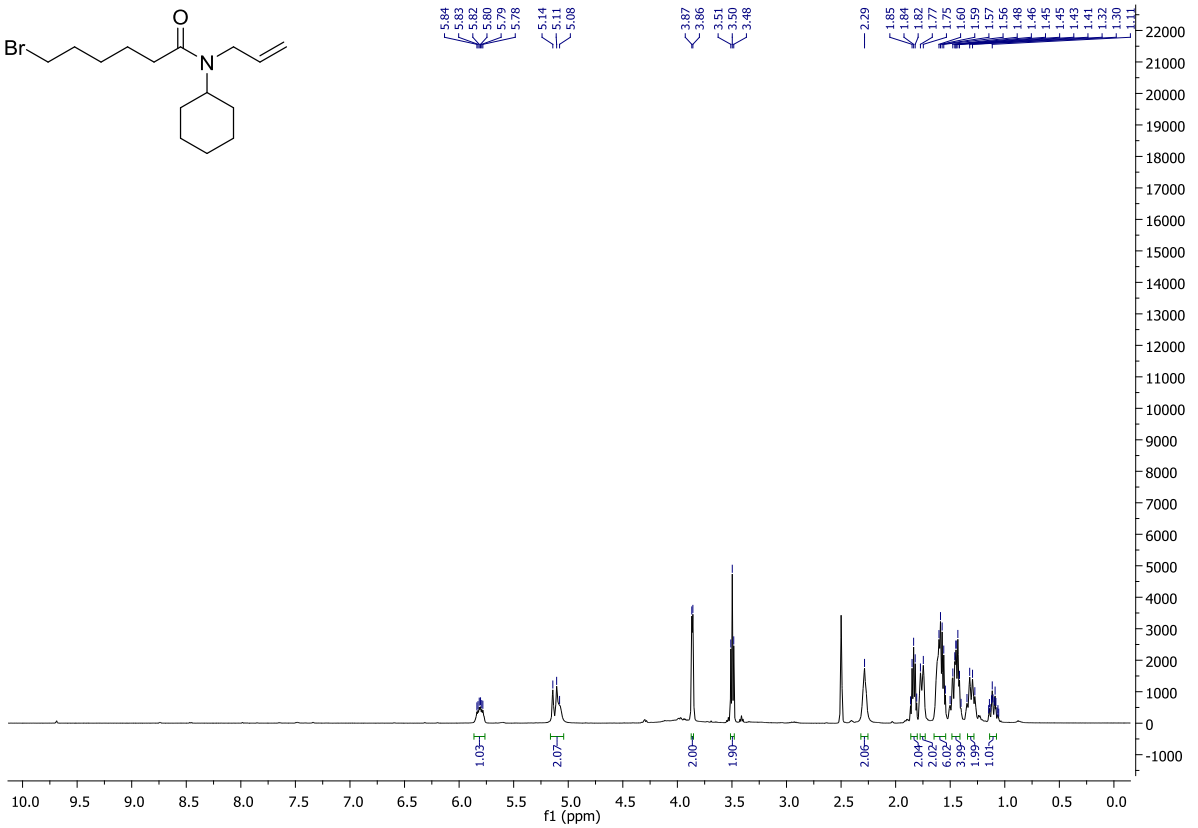
^{1}H NMR of 3j – $CDCl_3$



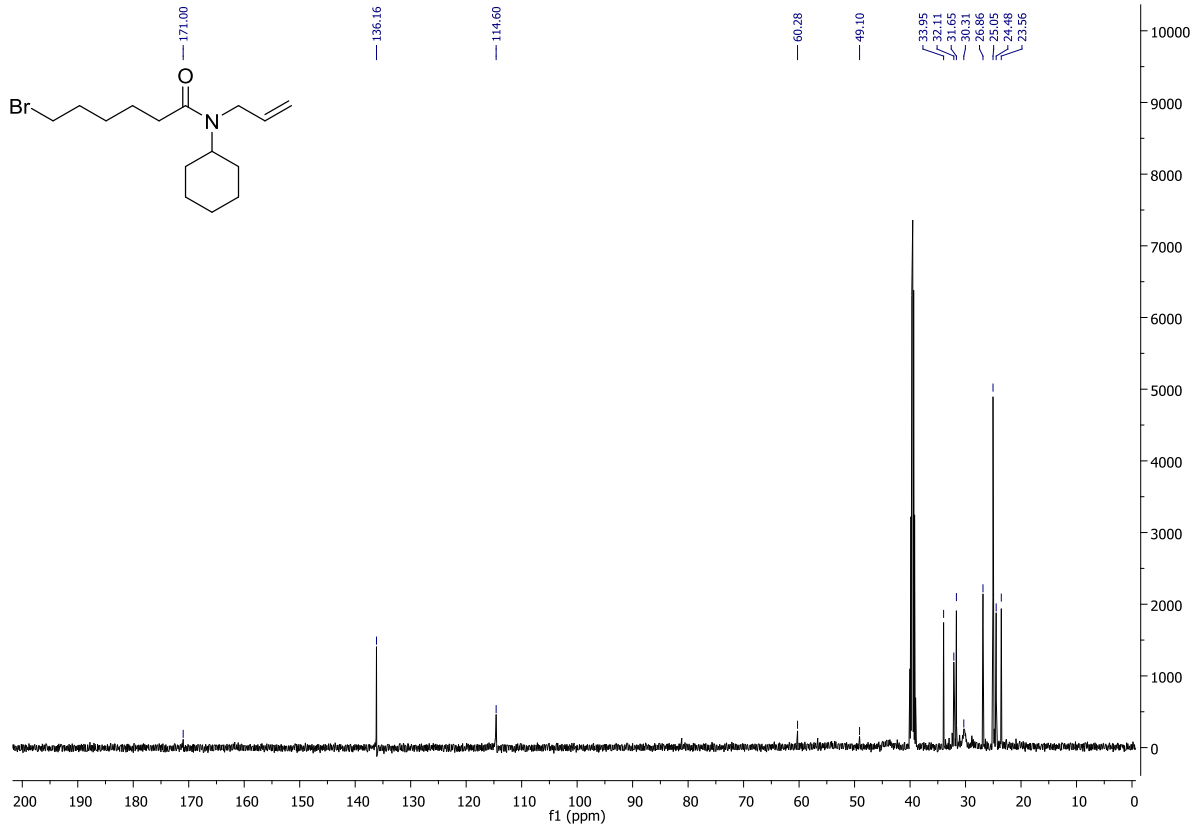
^{13}C NMR of 3j – $CDCl_3$



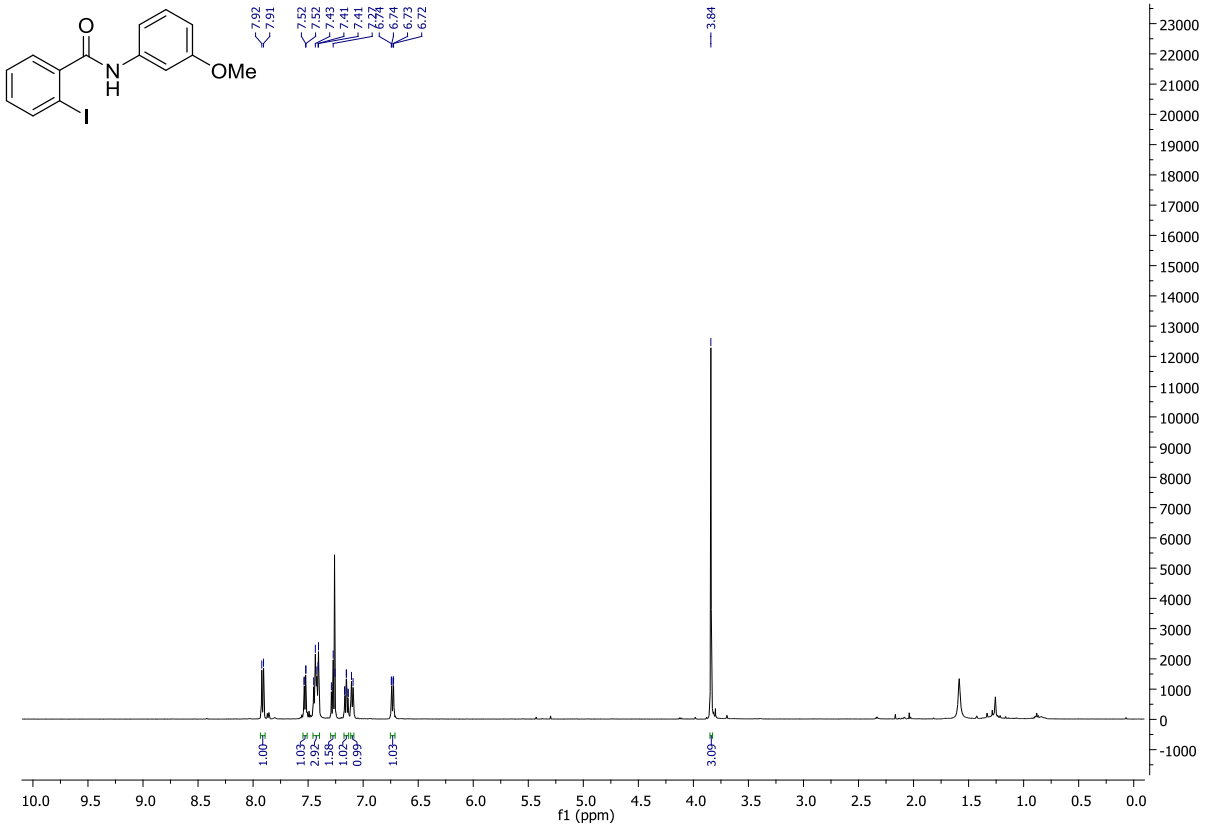
^{1}H NMR of 3j – DMSO-d_6 373 K



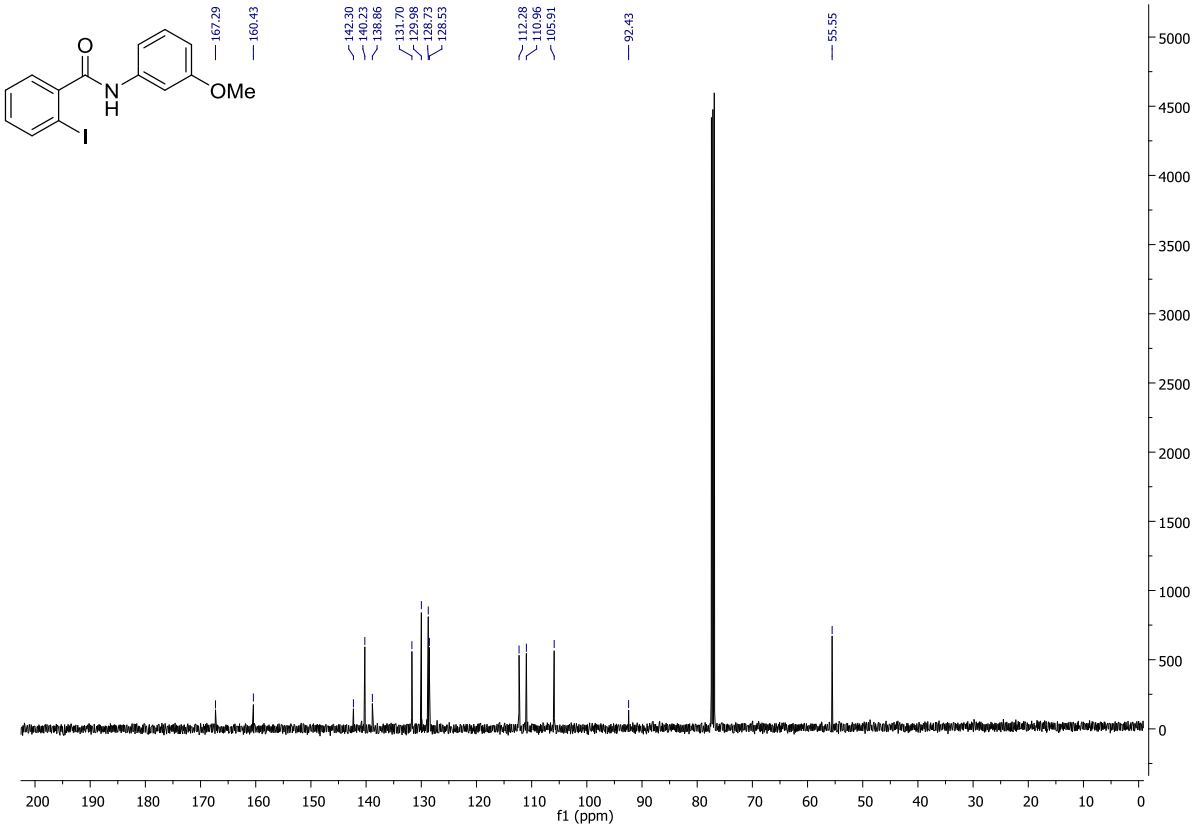
^{13}C NMR of 3j – DMSO-d_6 373K



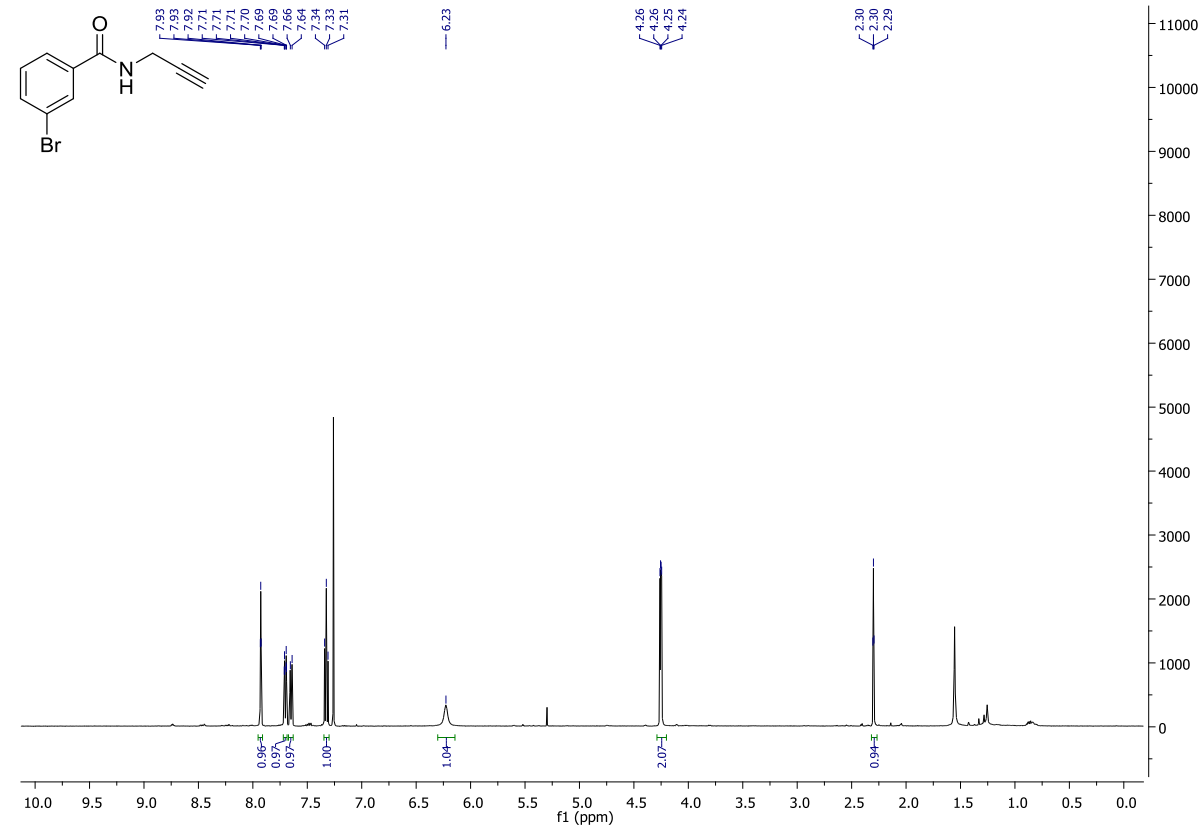
^{1}H NMR of 3k



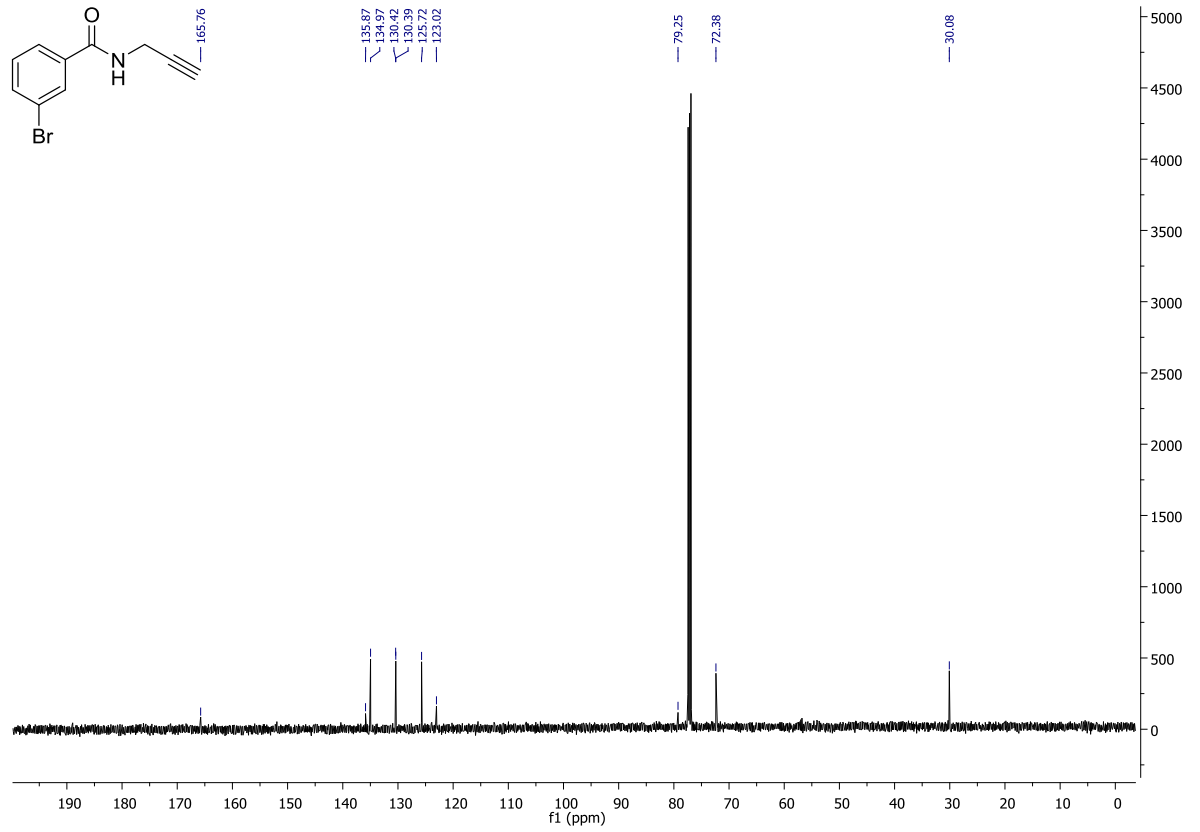
^{13}C NMR of 3k



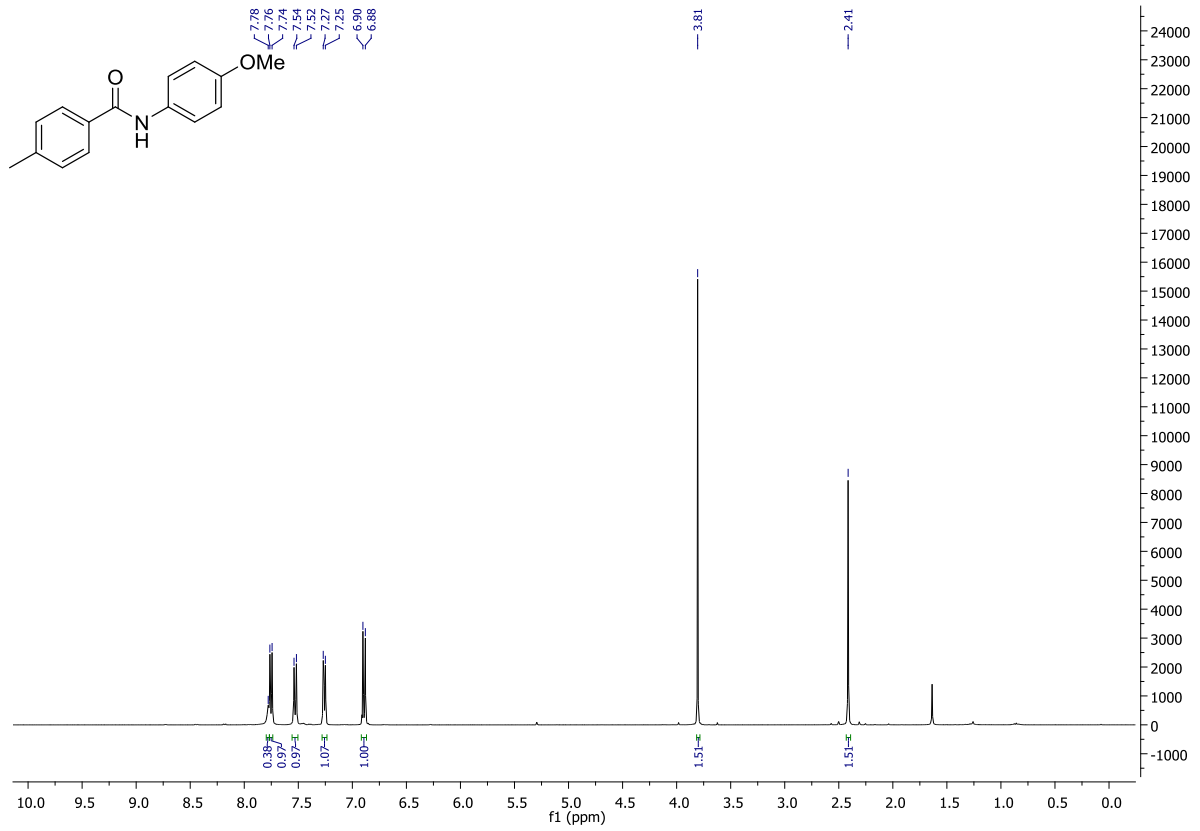
^{1}H NMR of 3l



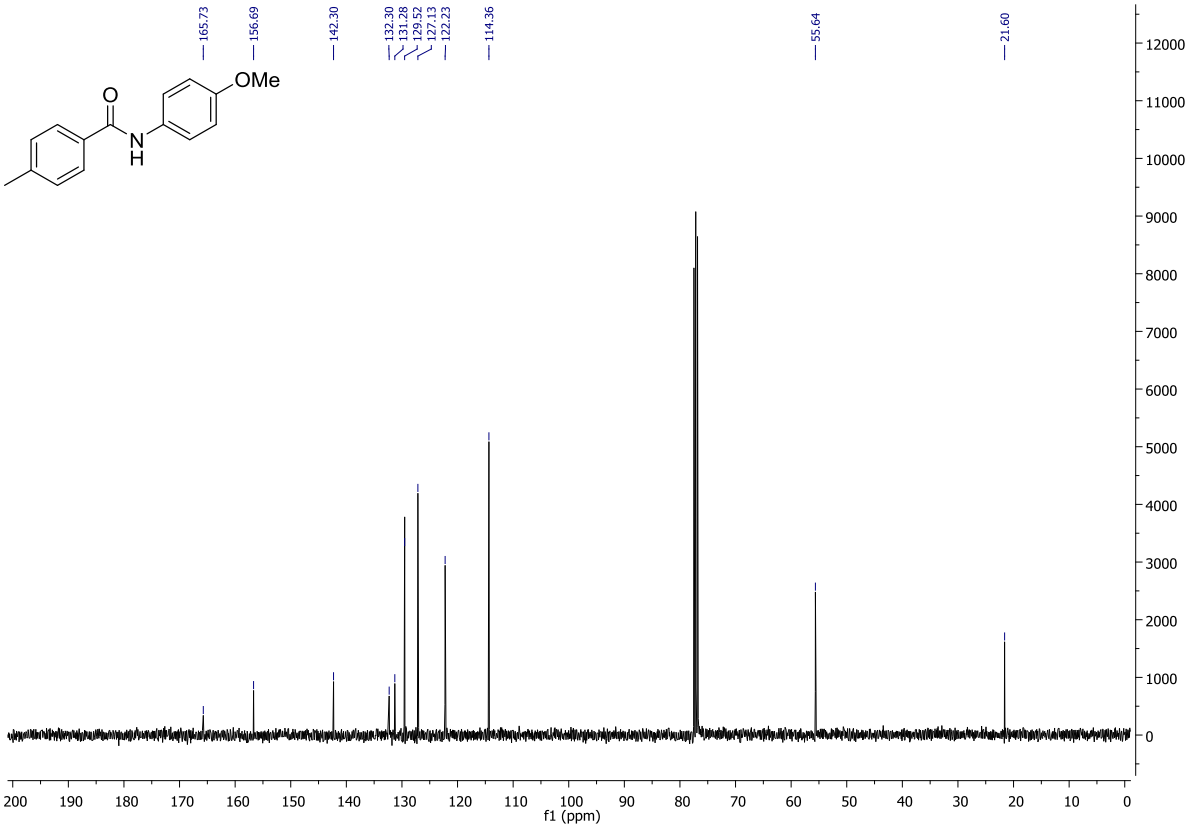
^{13}C NMR of 3l



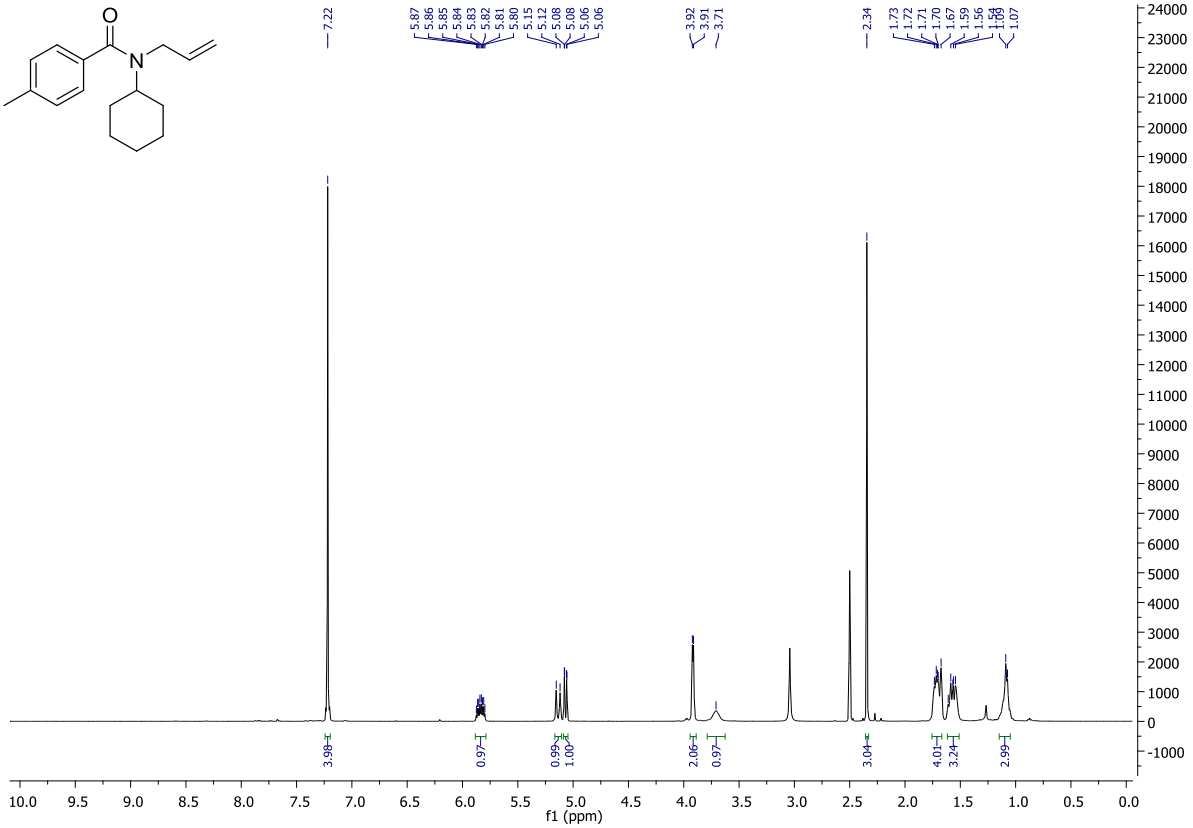
^{1}H NMR of 3m



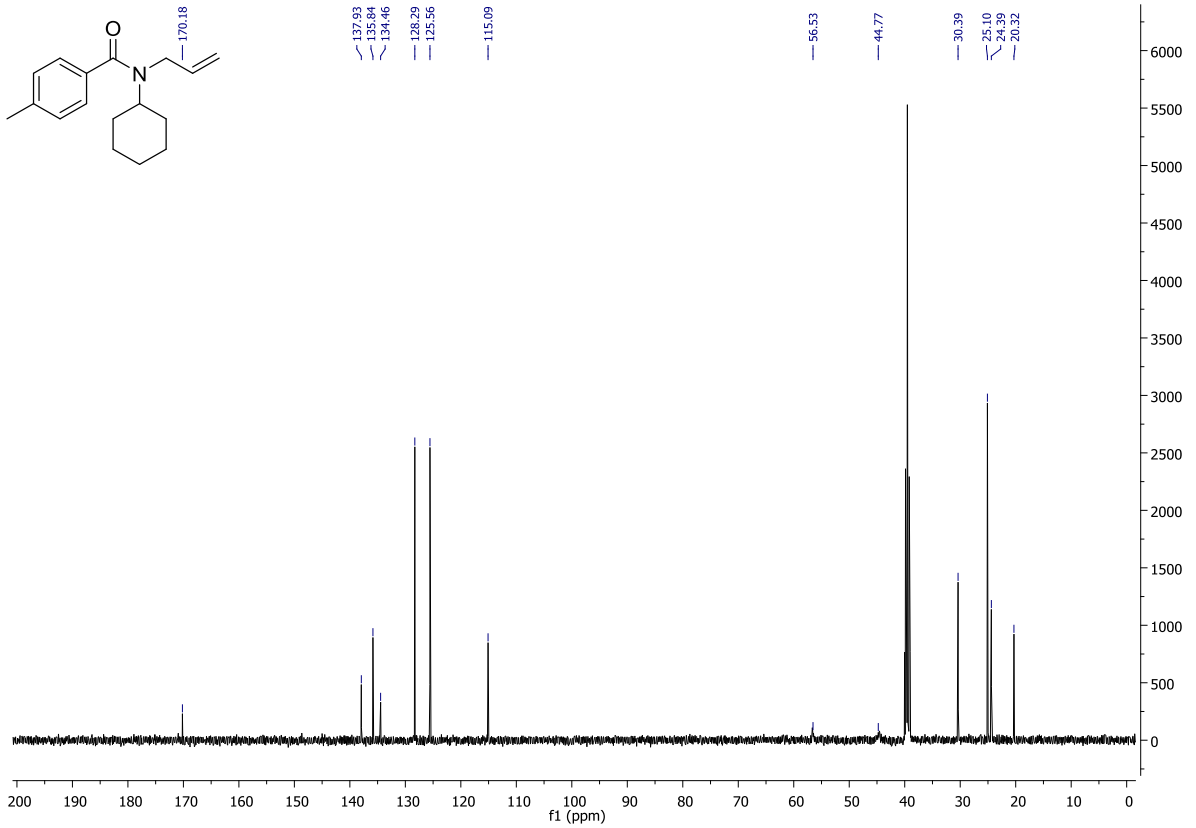
^{13}C NMR of 3m



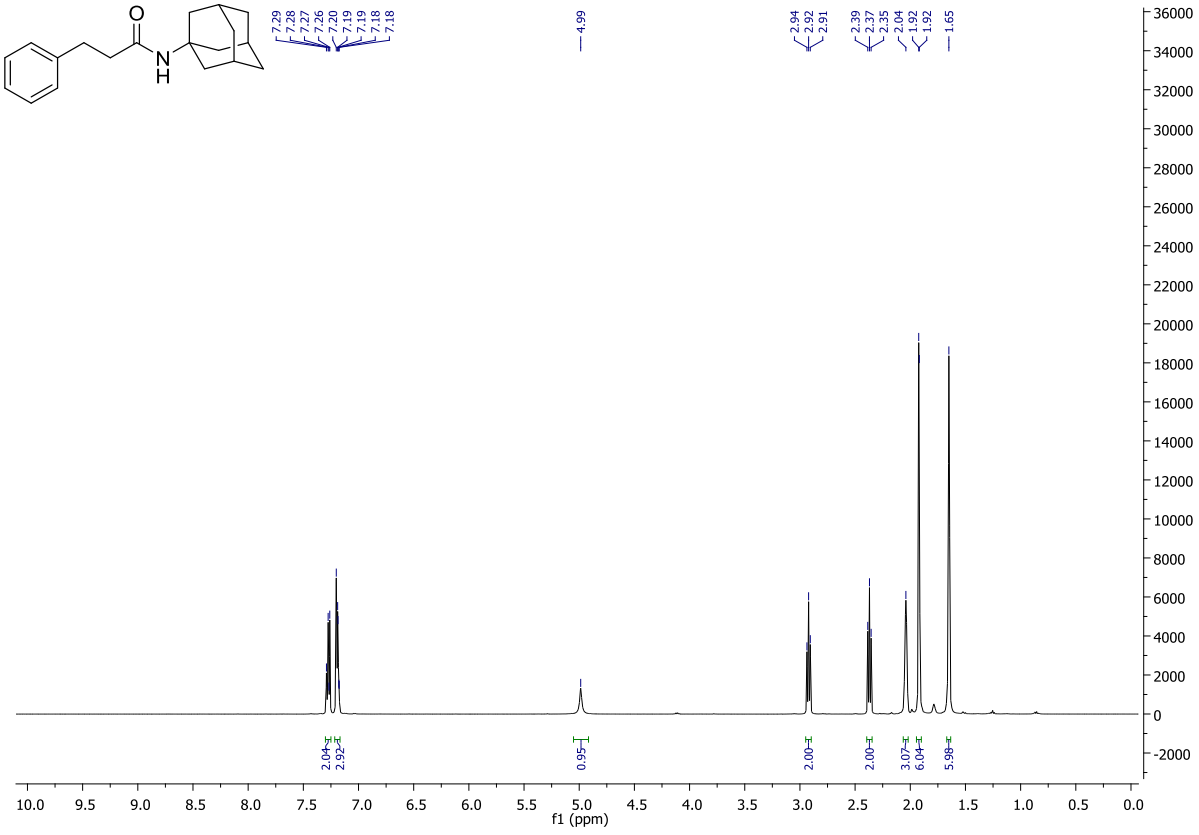
^{1}H NMR of 3n



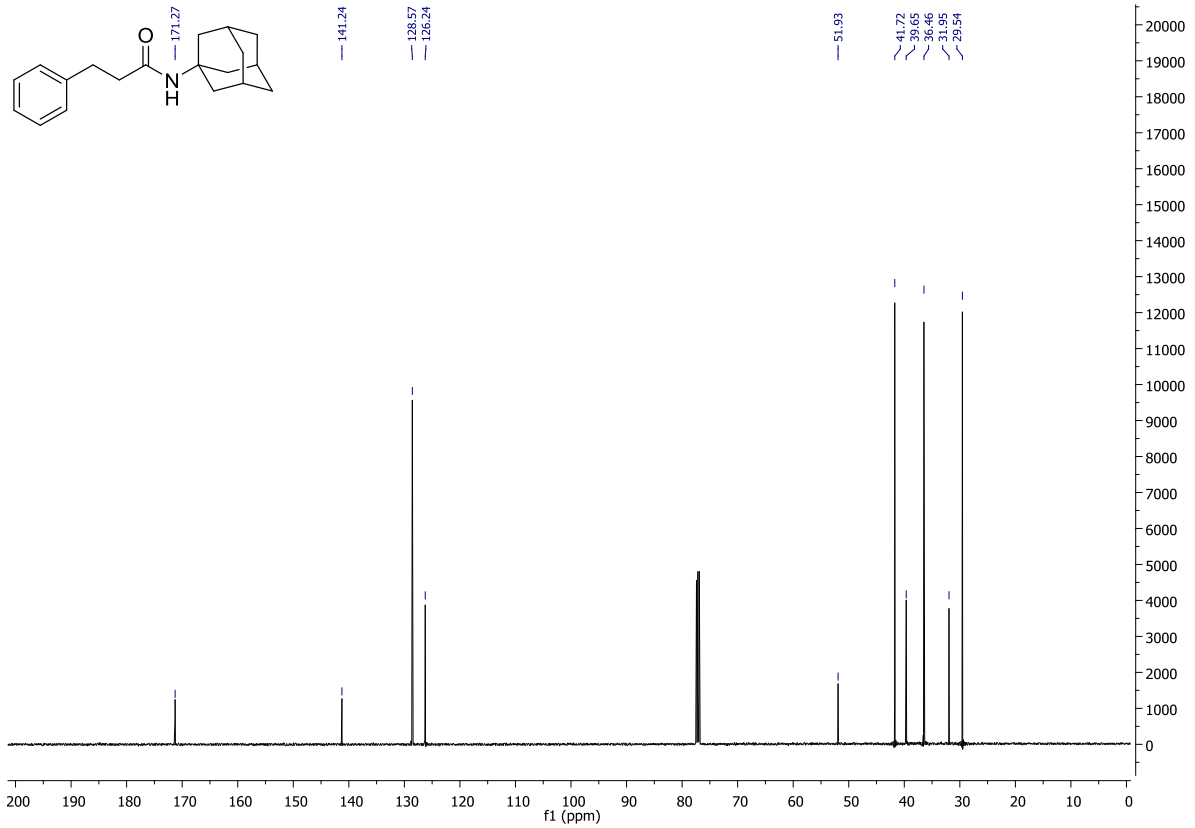
^{13}C NMR of 3n



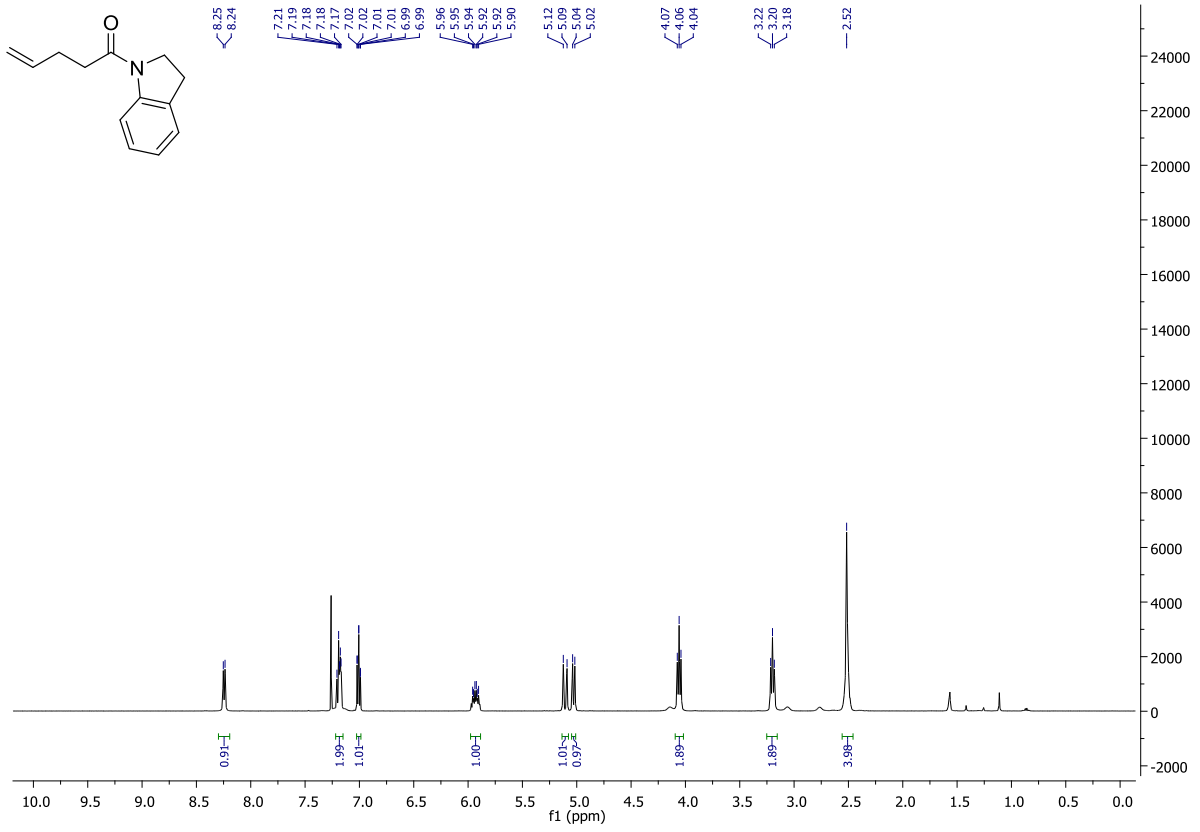
^{1}H NMR of 3o



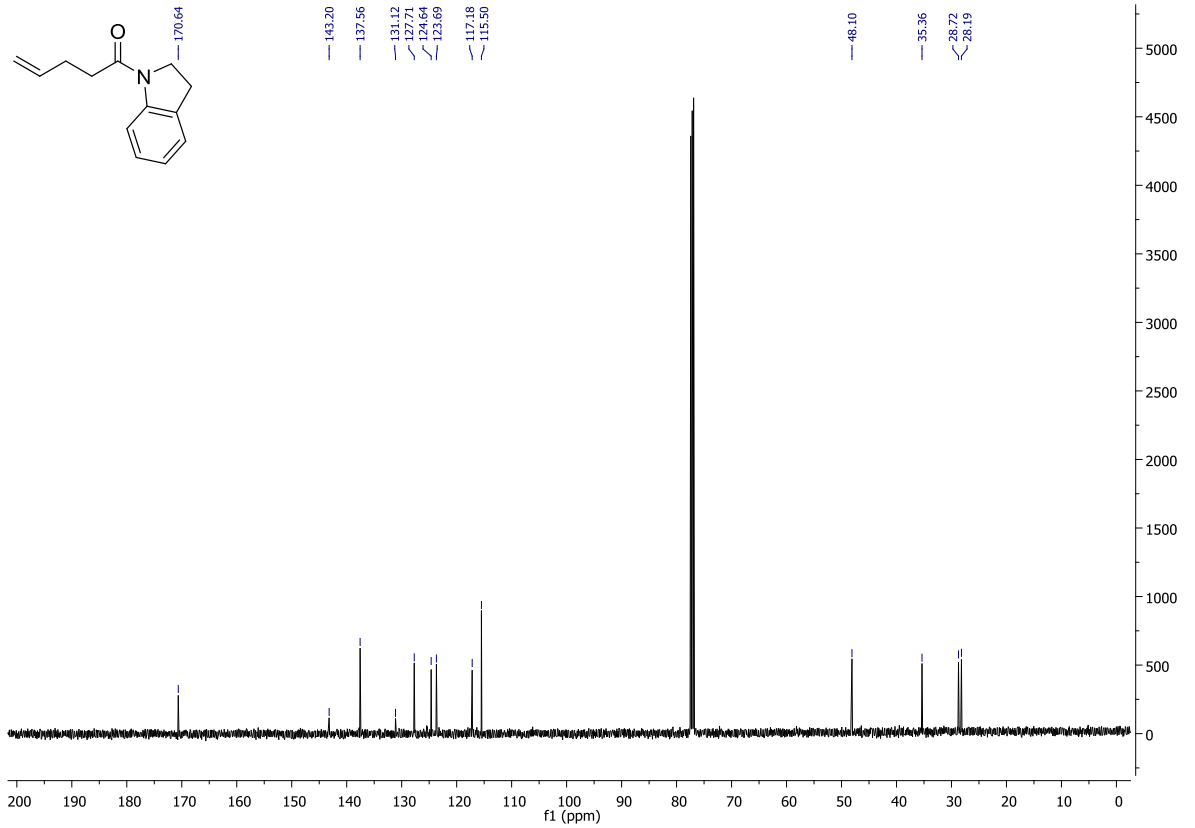
^{13}C NMR of 3o



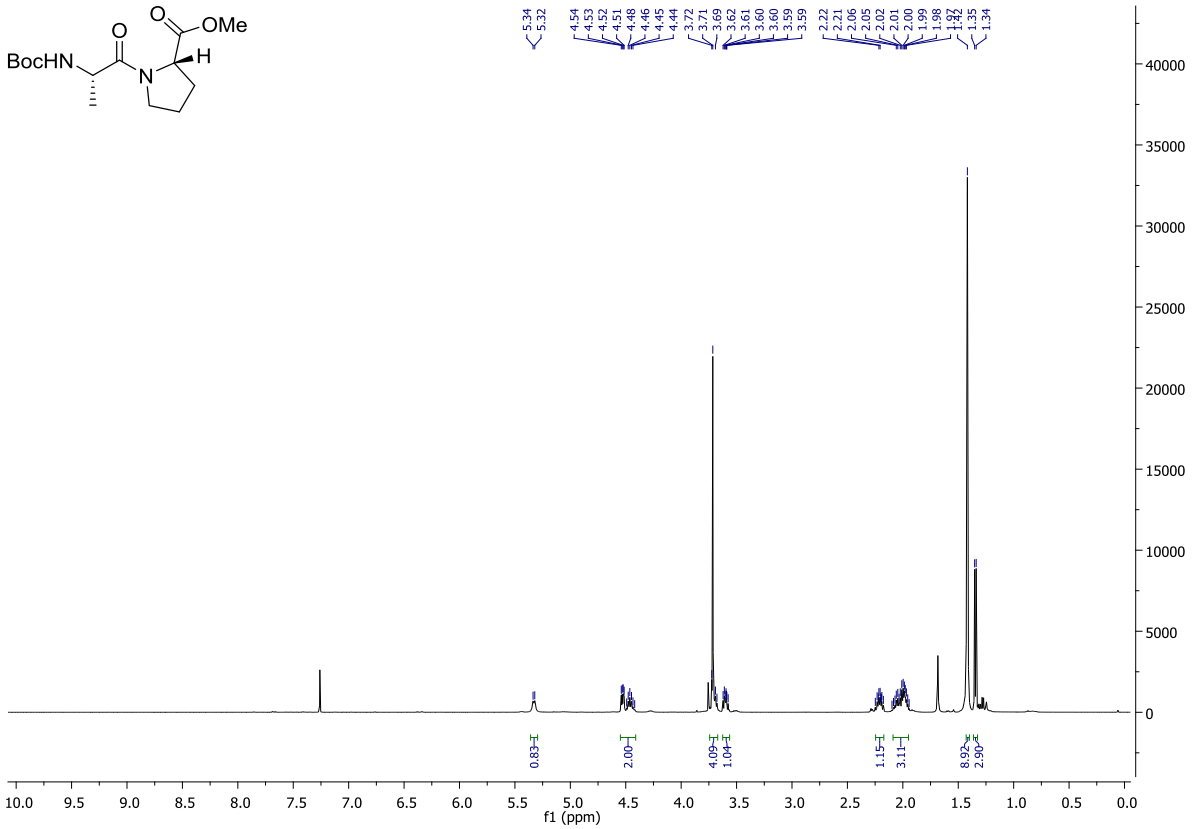
^{1}H NMR of 3p



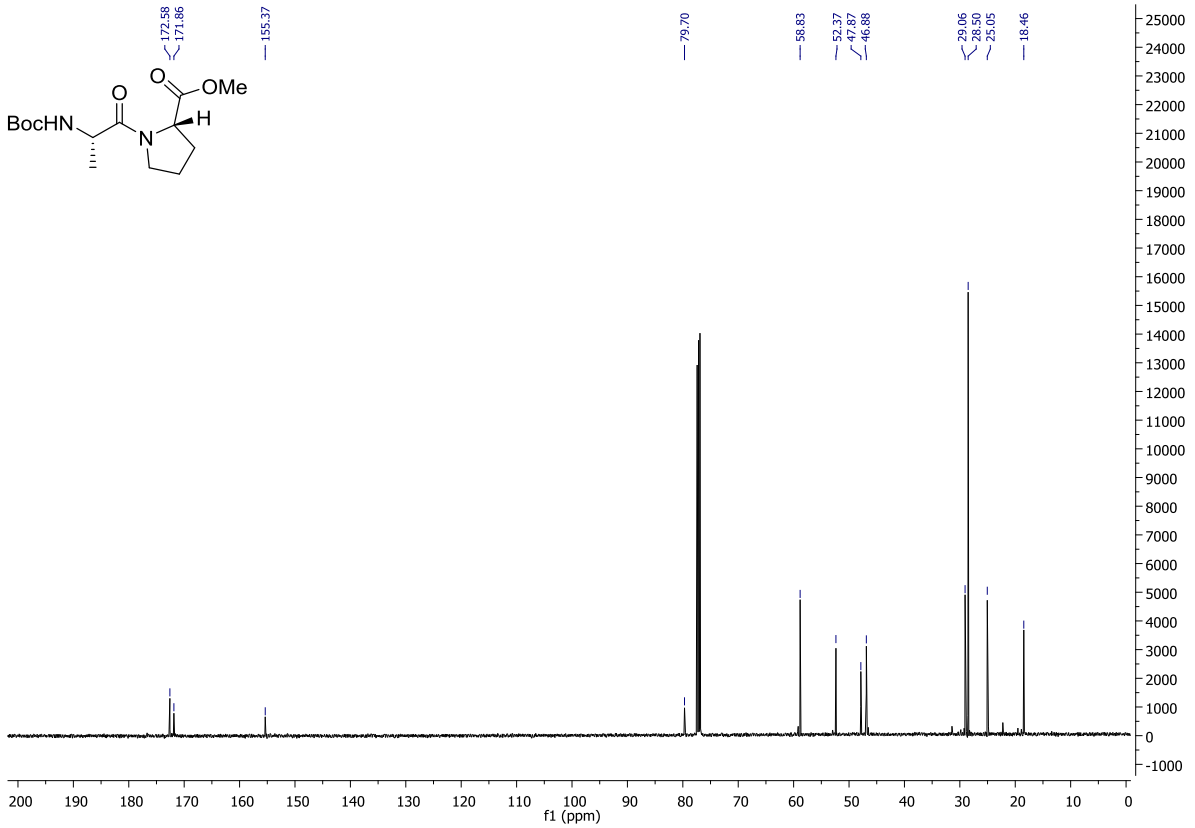
^{13}C NMR of 3p



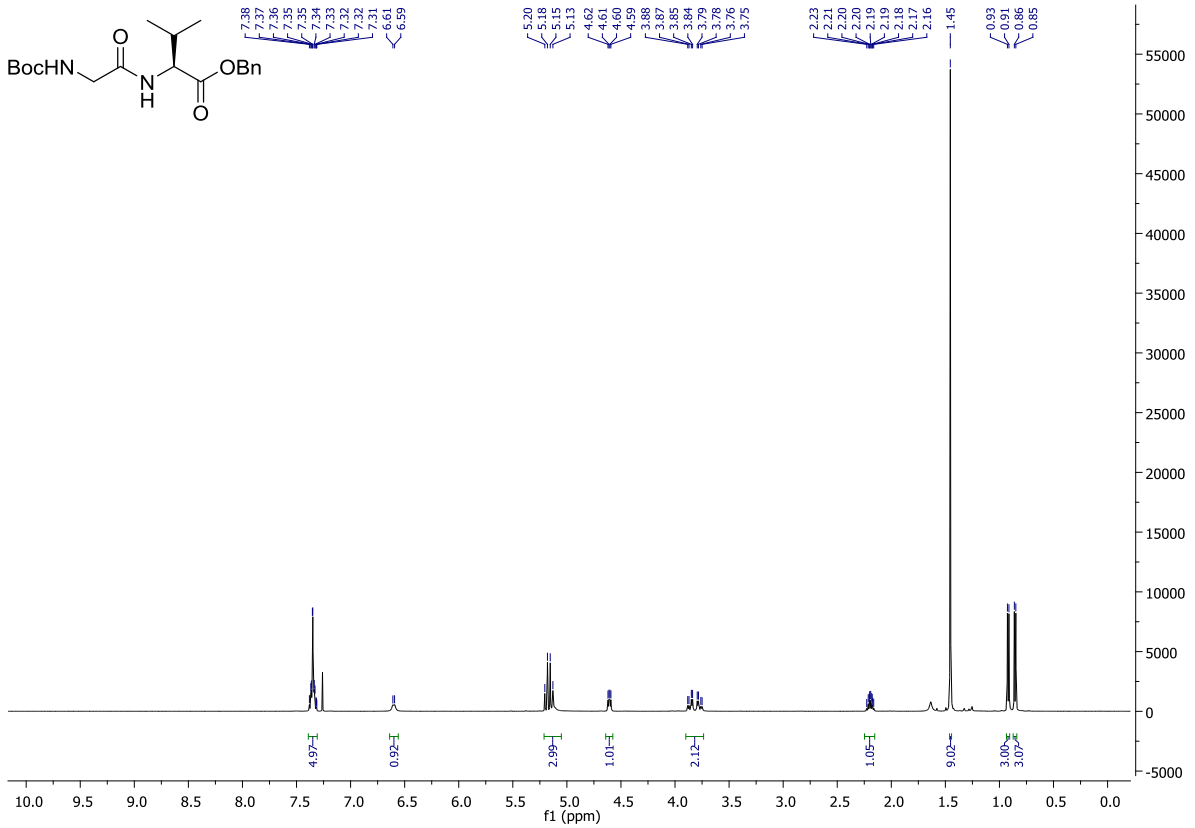
^{1}H NMR of 6a



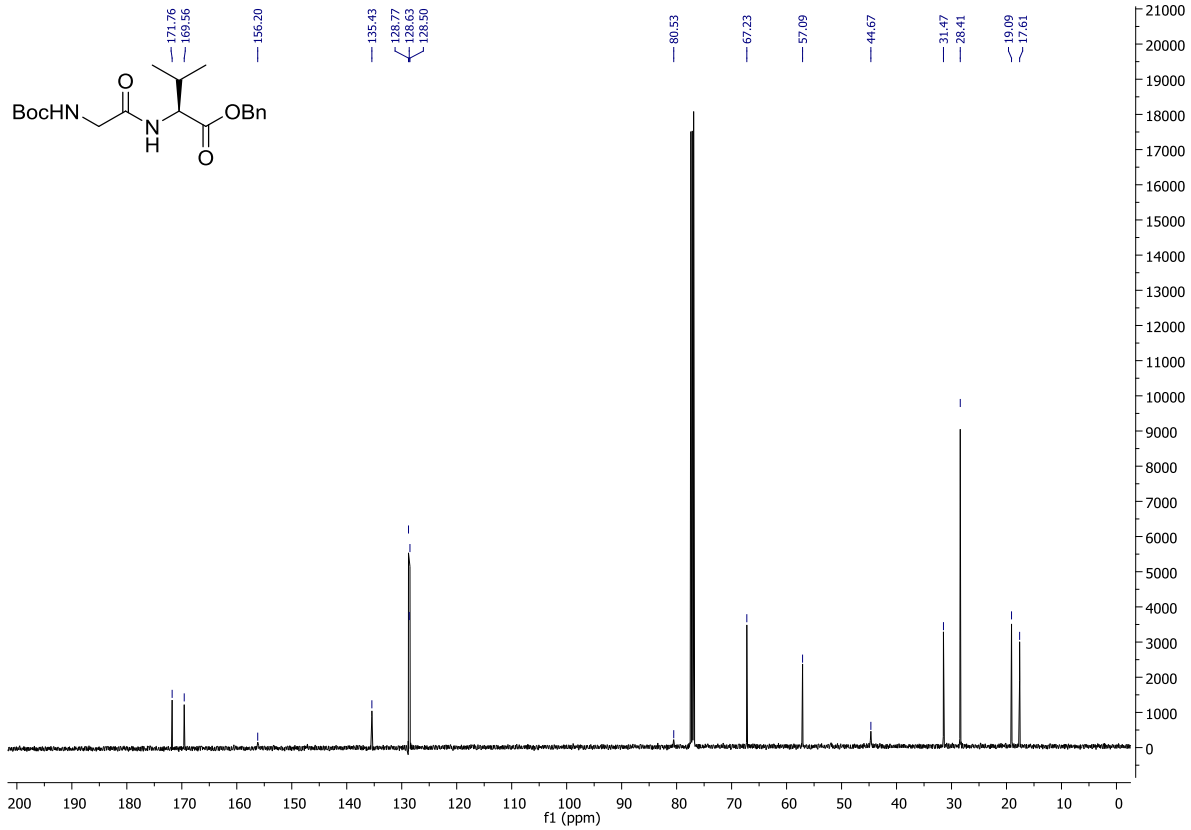
^{13}C NMR of 6a



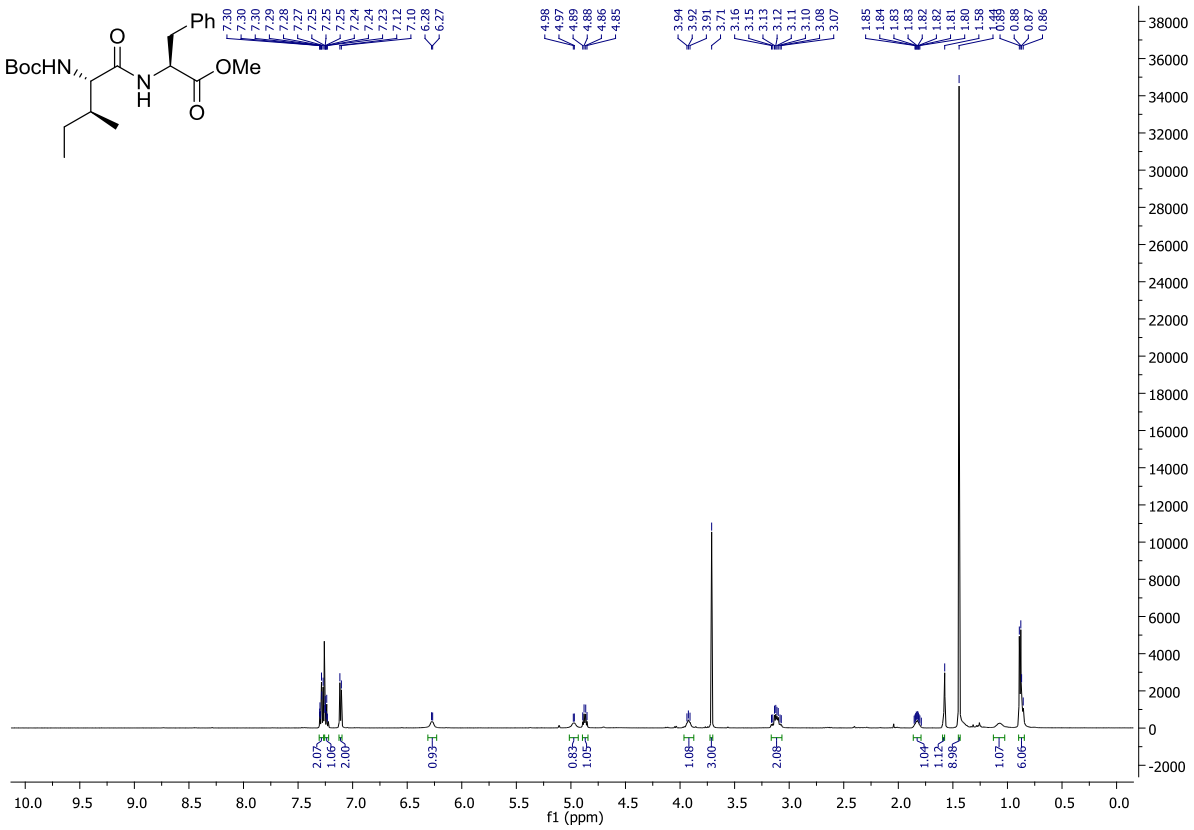
^{1}H NMR of 6b



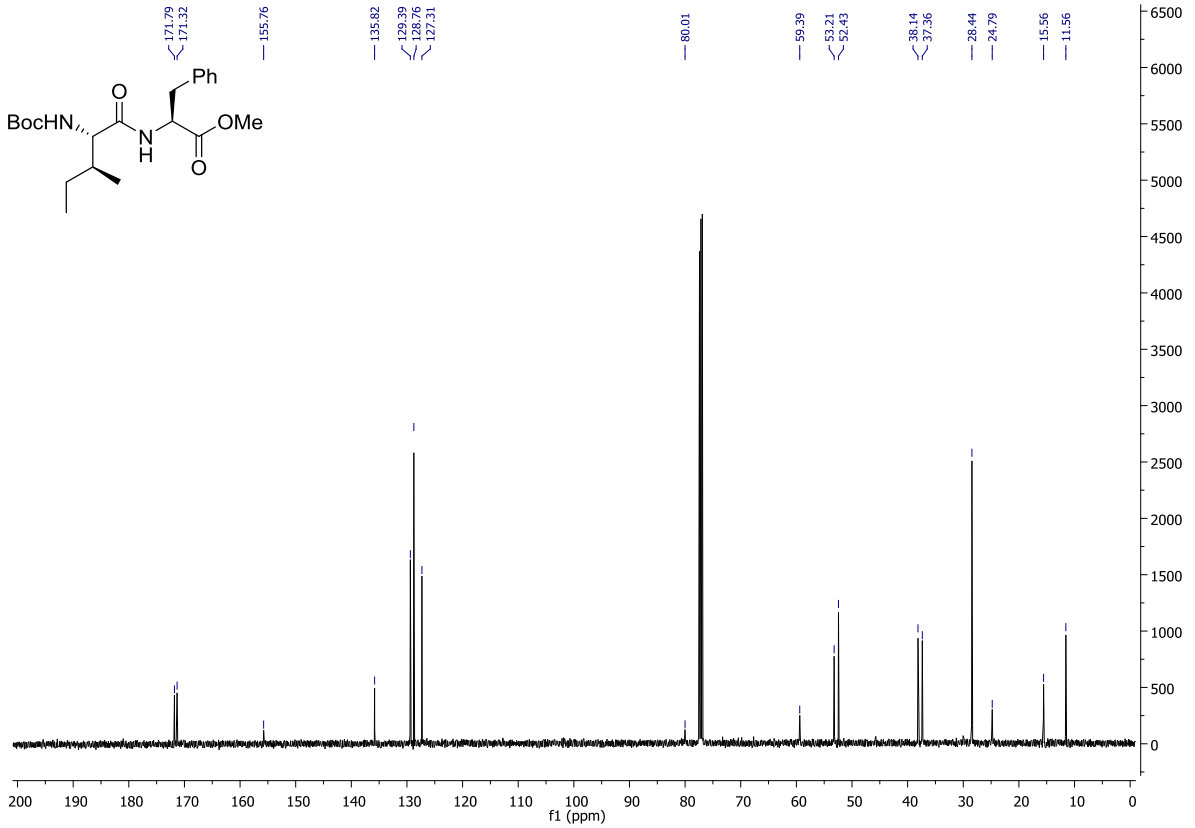
^{13}C NMR of 6b



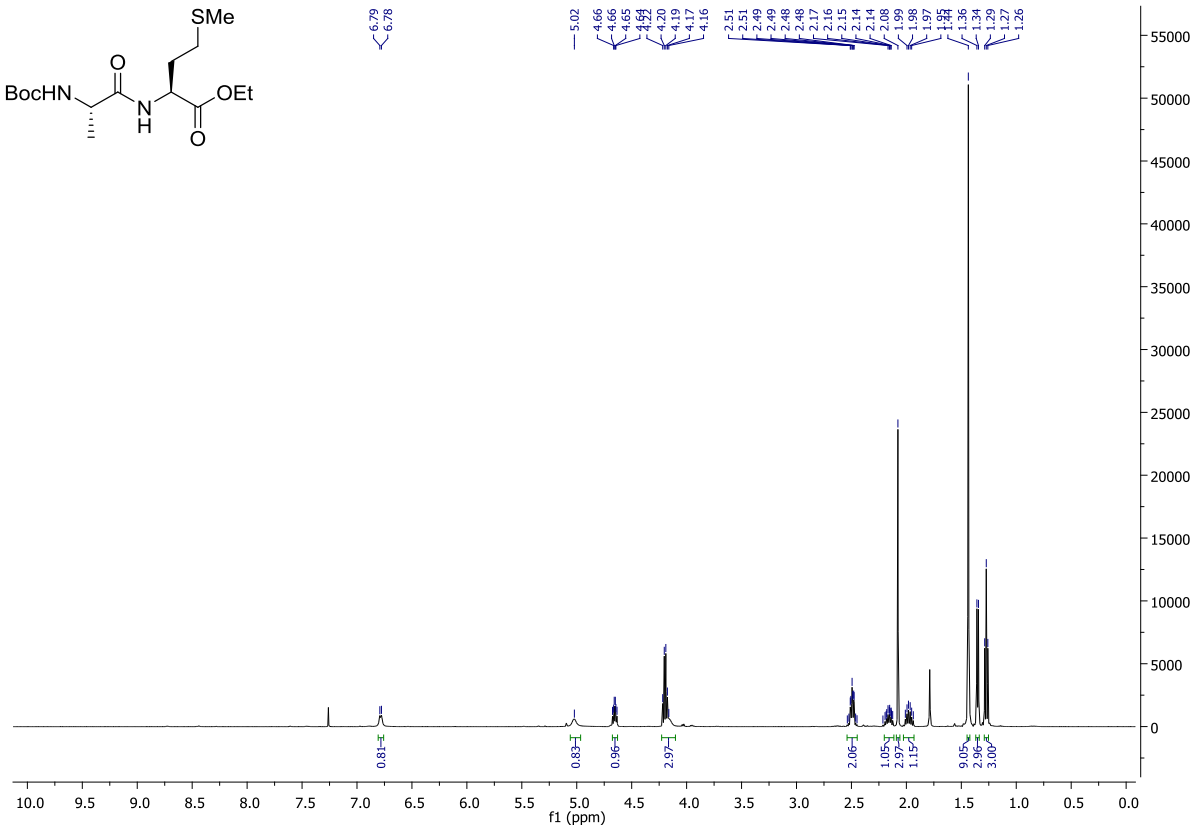
^{1}H NMR of 6c



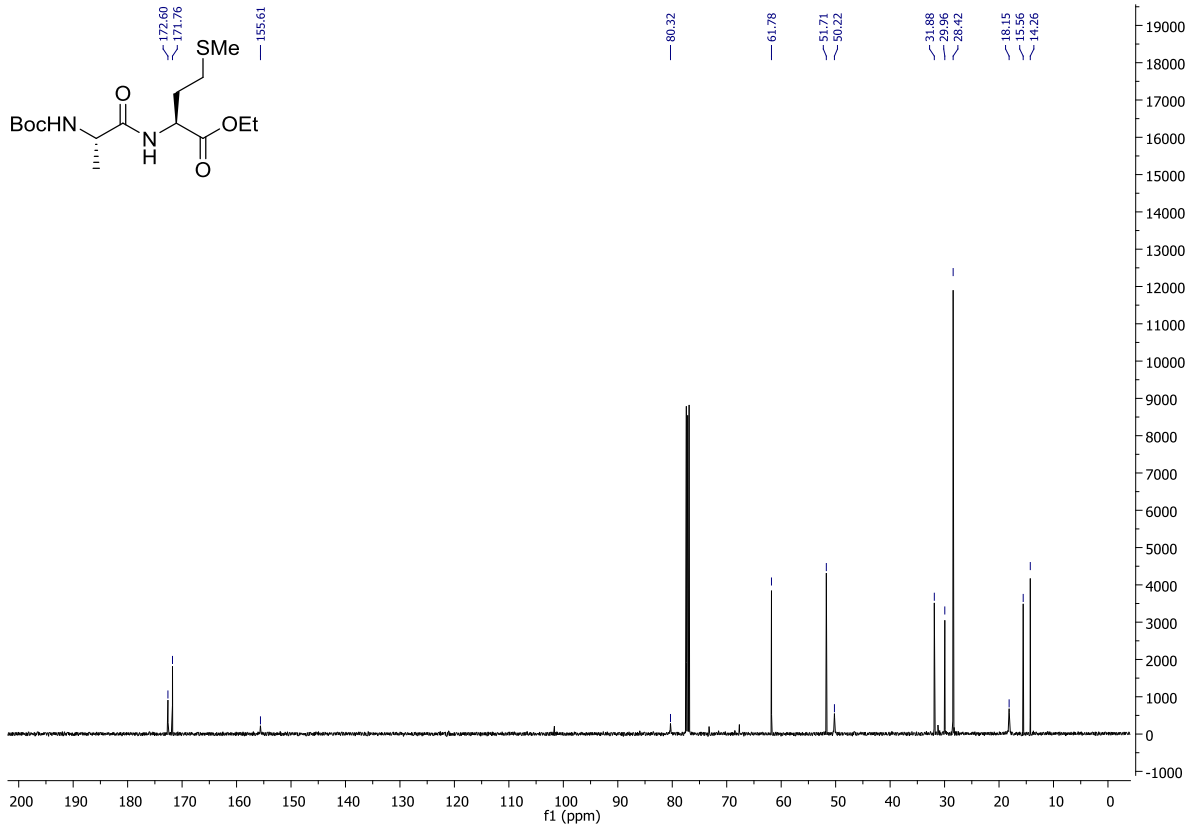
^{13}C NMR of 6c



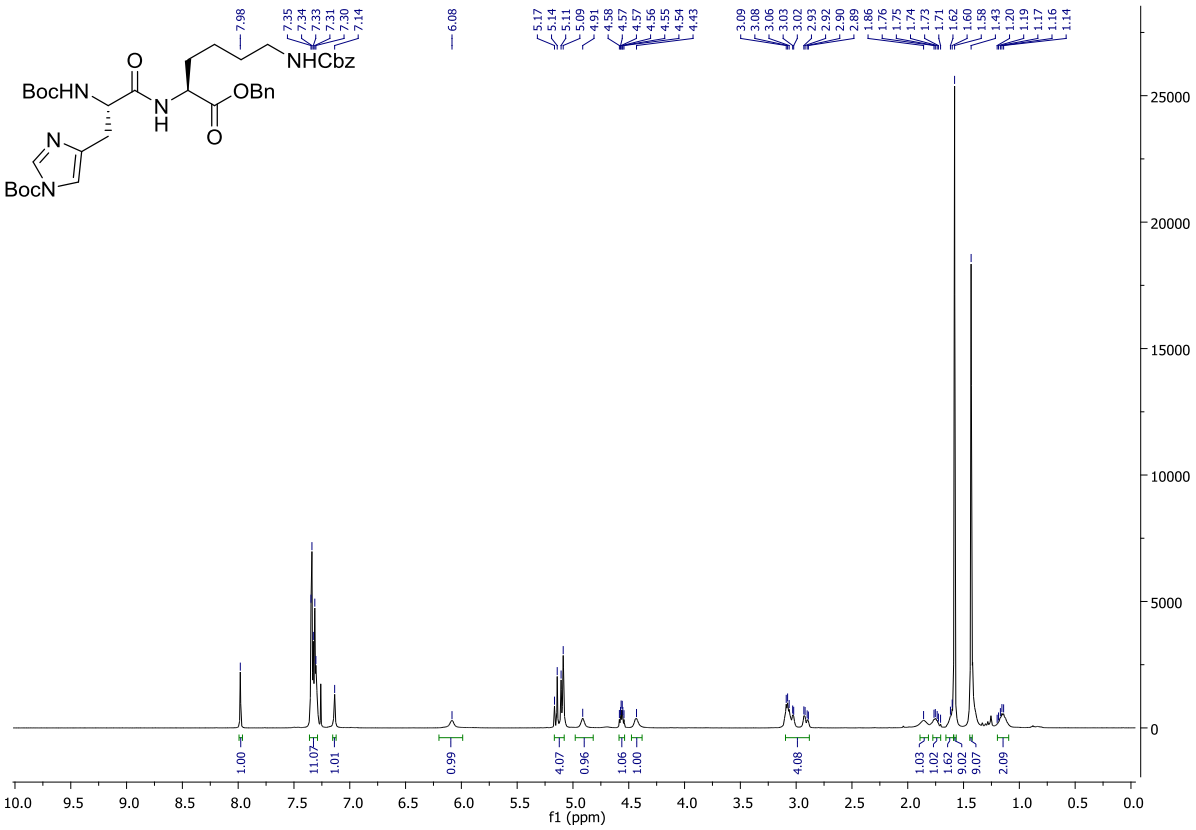
^{1}H NMR of 6d



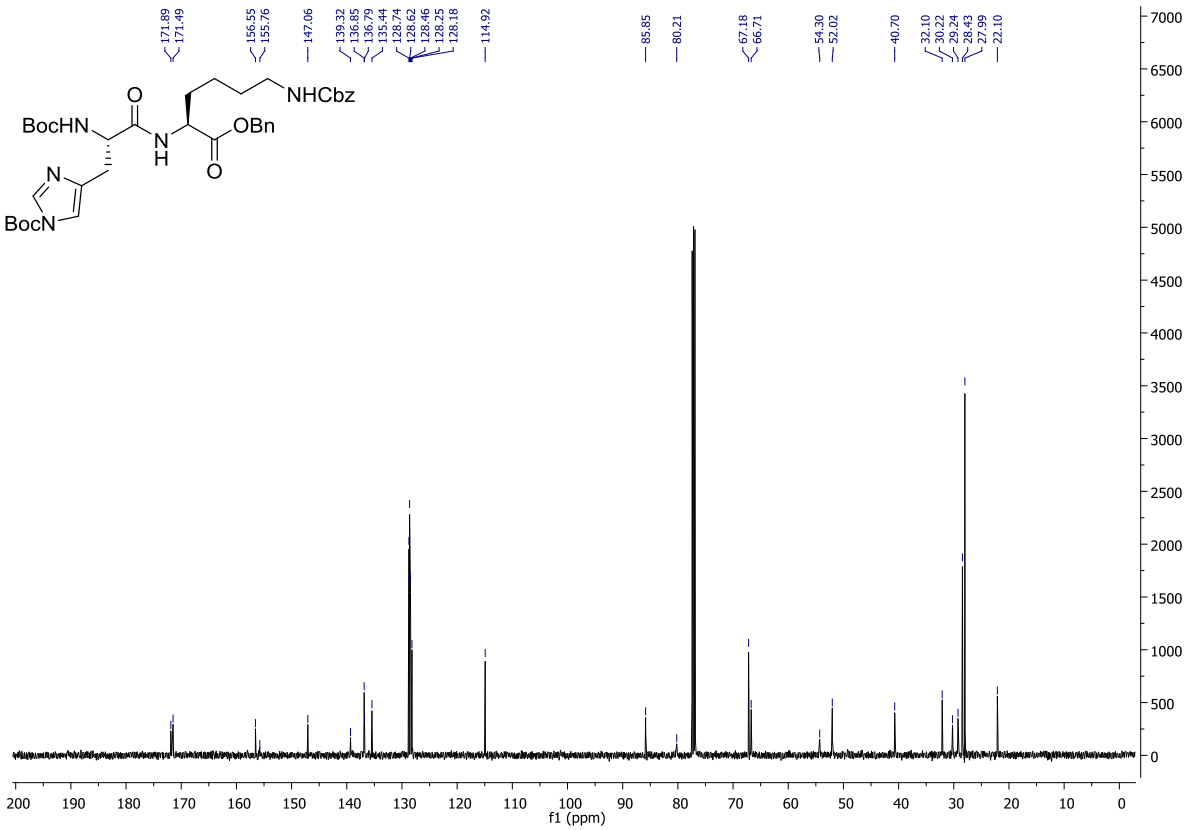
^{13}C NMR of 6d



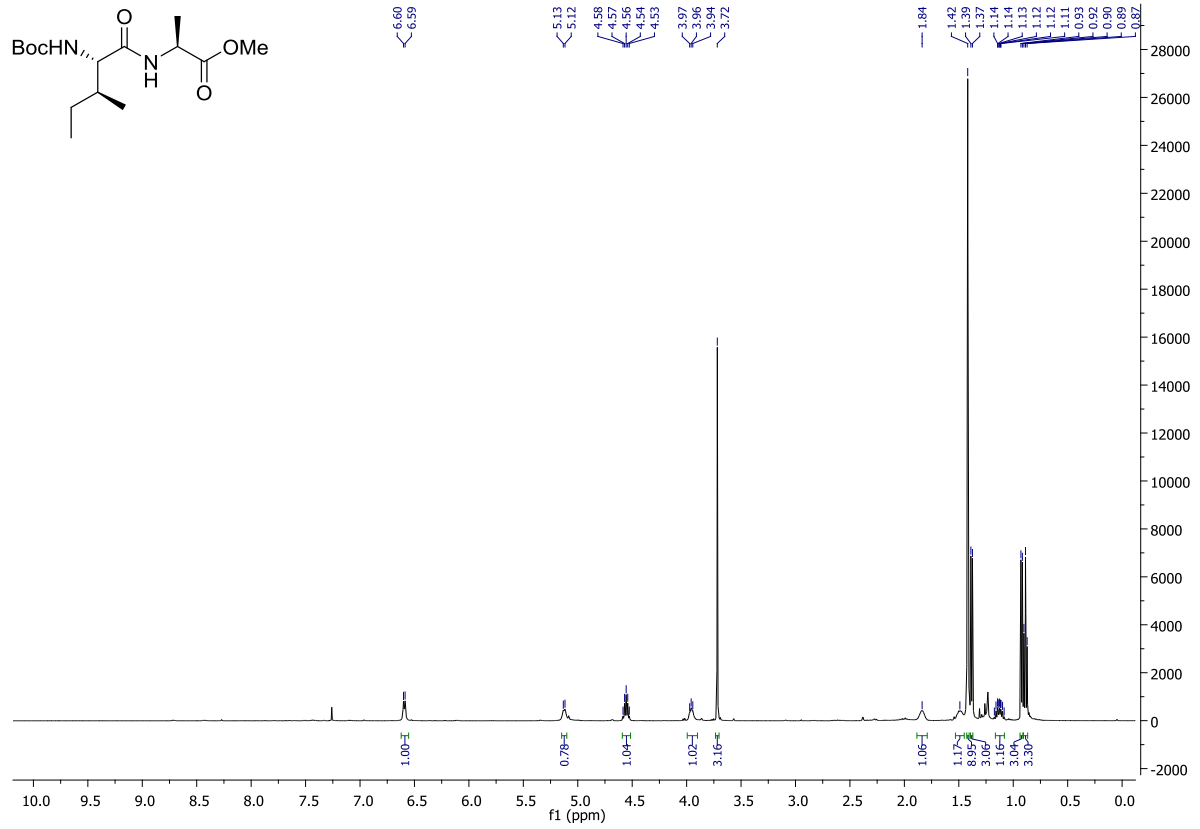
^{1}H NMR of 6e



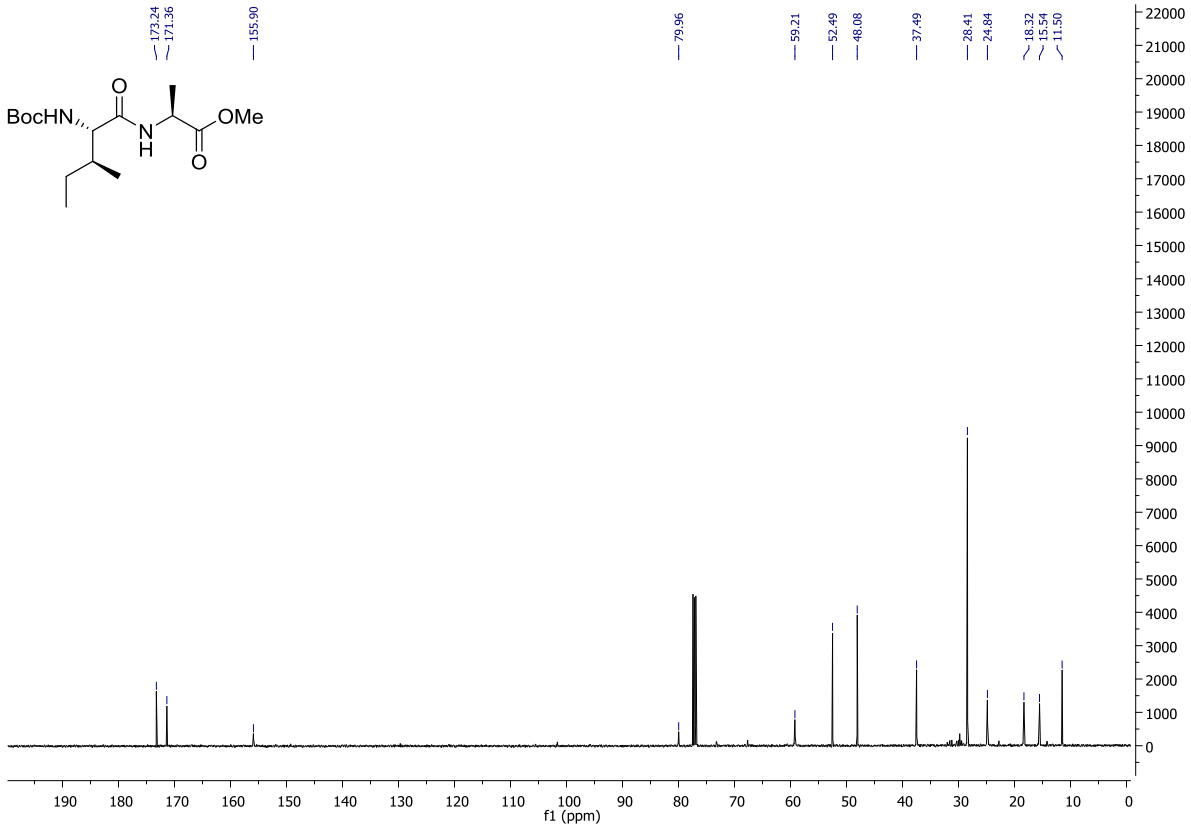
^{13}C NMR of 6e



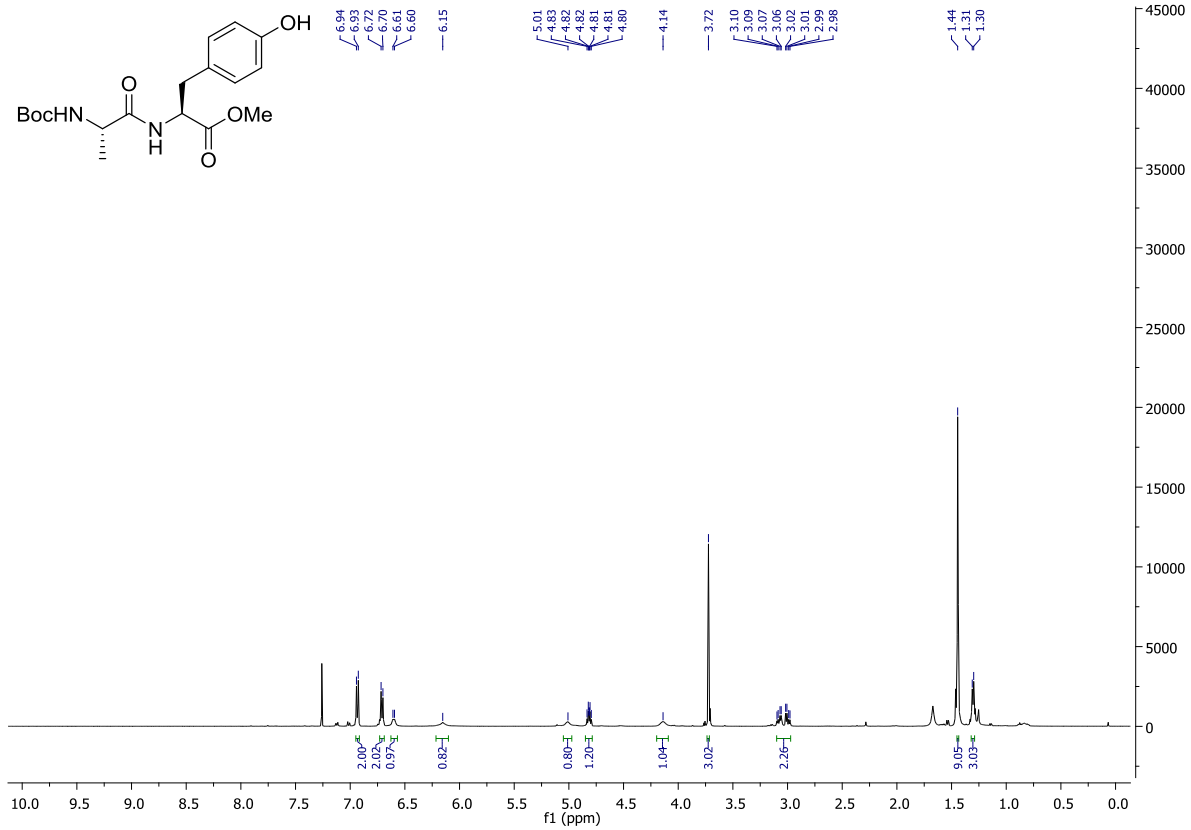
^{1}H NMR of 6f



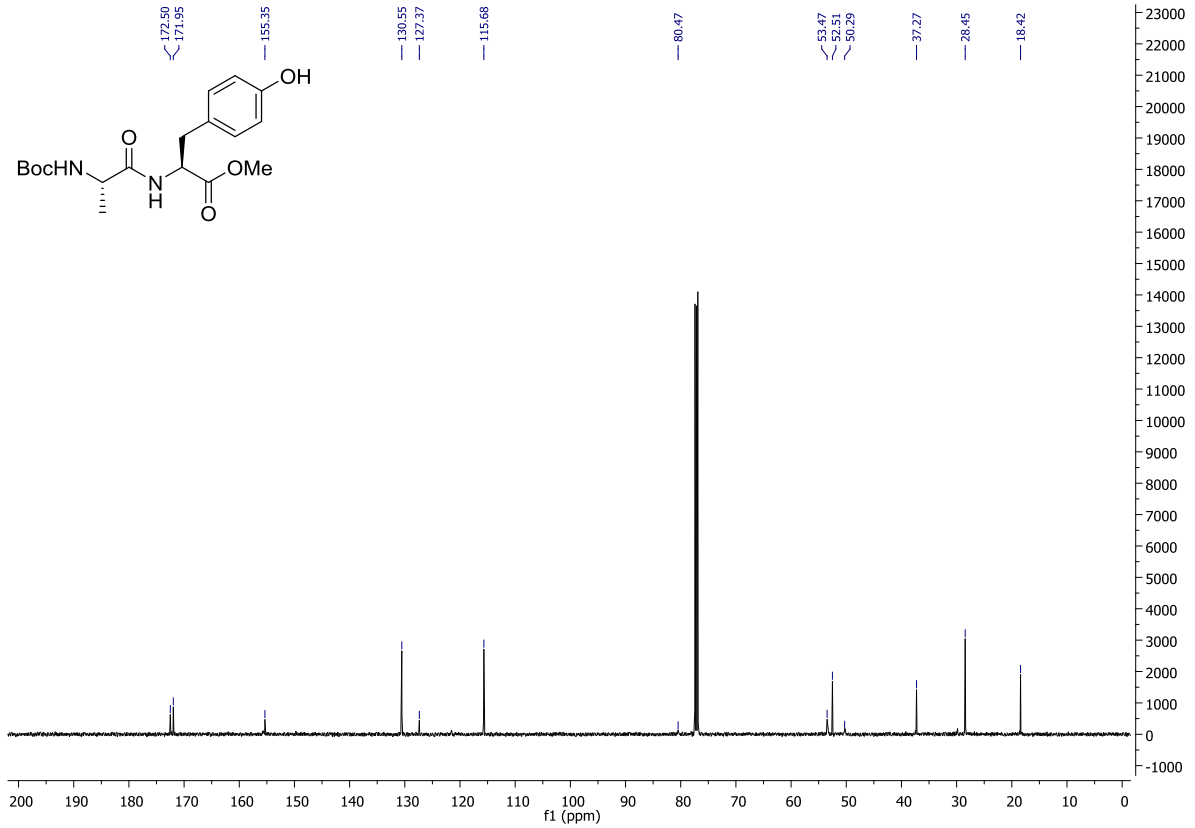
^{13}C NMR of 6f



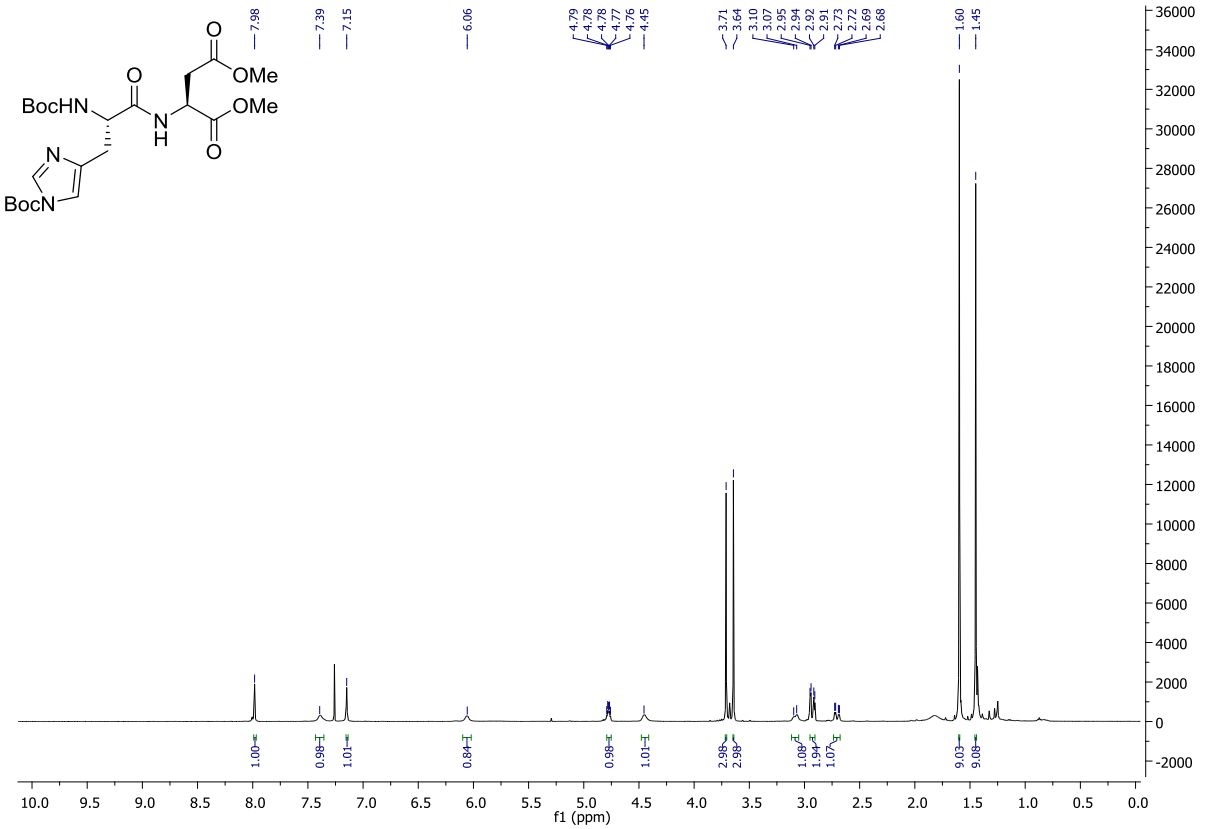
^{1}H NMR of 6g



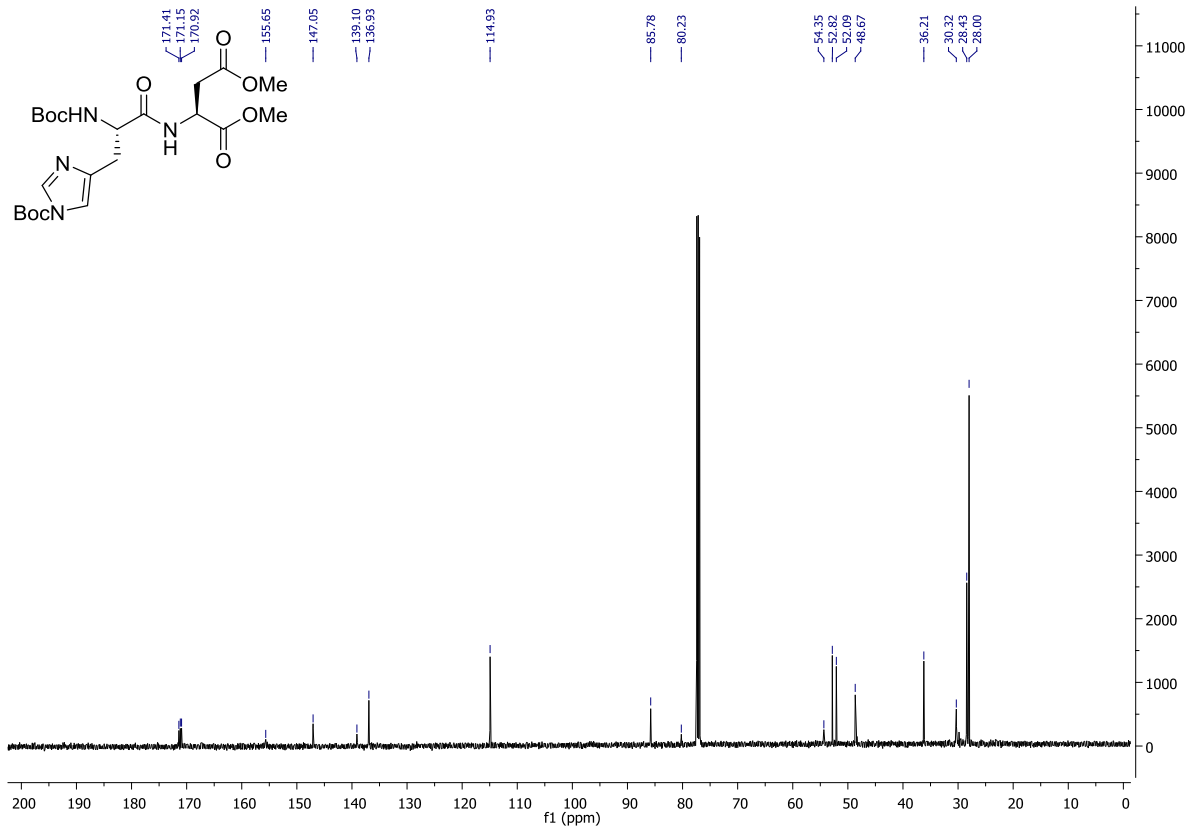
^{13}C NMR of 6g



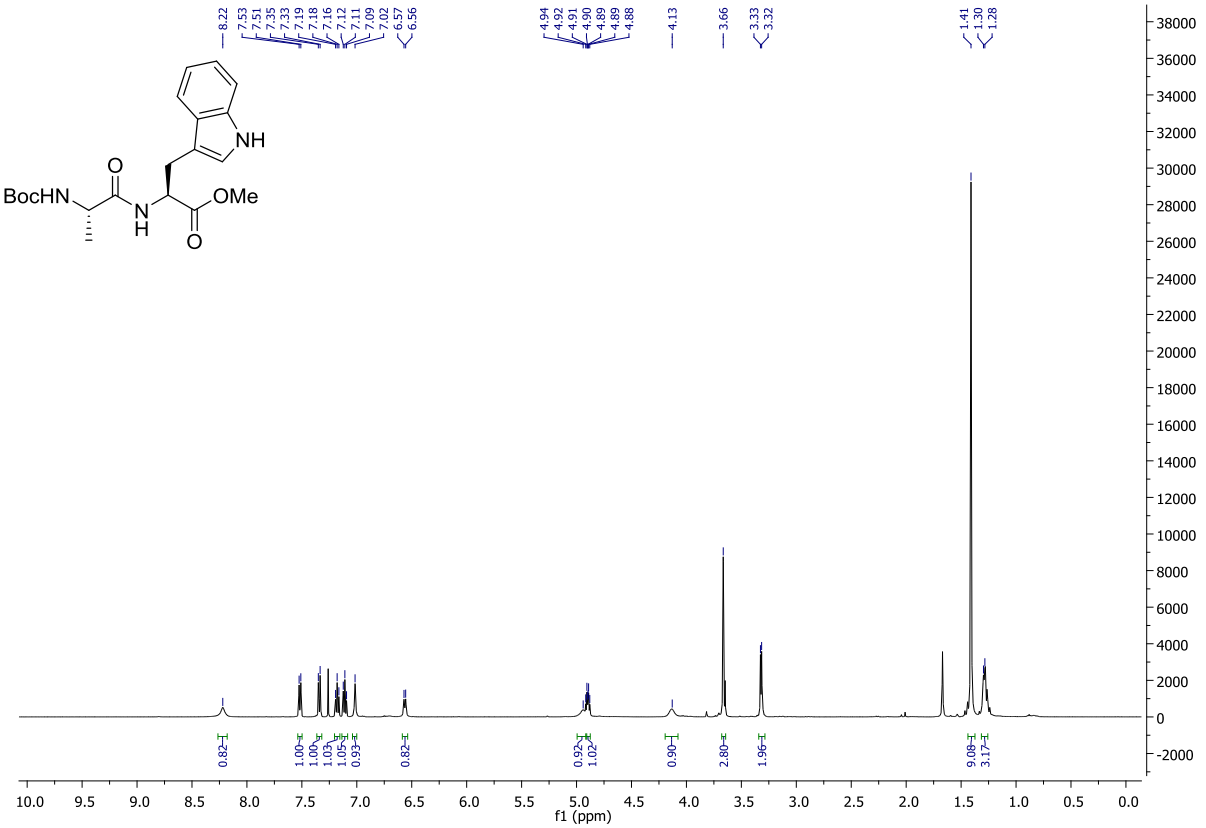
^{1}H NMR of 6h



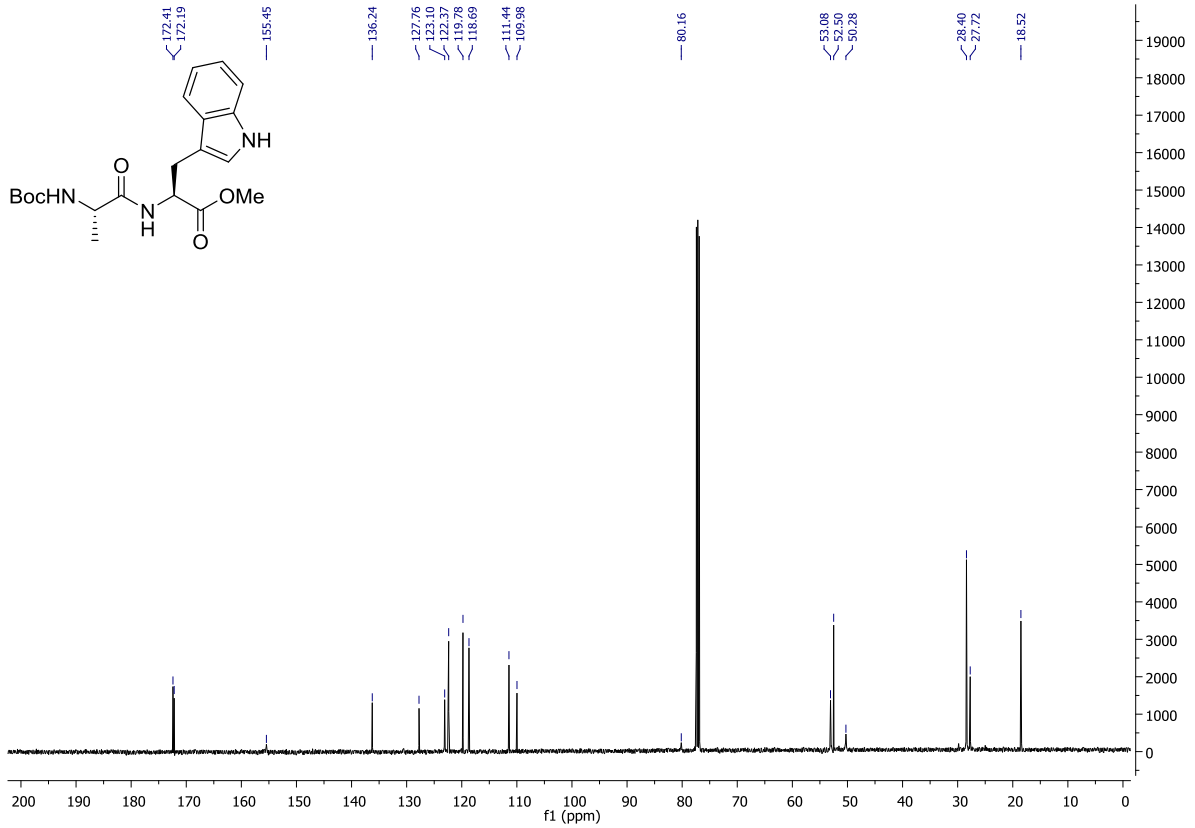
^{13}C NMR of 6h



^{1}H NMR of 6i



^{13}C NMR of 6i


172.41
172.19
155.45
136.24
127.76
123.10
122.37
119.78
118.69
111.44
109.98
80.16
53.08
52.50
50.28
28.40
27.72
18.52
BocHN
O
N
H
NH
OMe
O
f1 (ppm)