Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry.
This journal is © The Royal Society of Chemistry 2016

Supporting Information

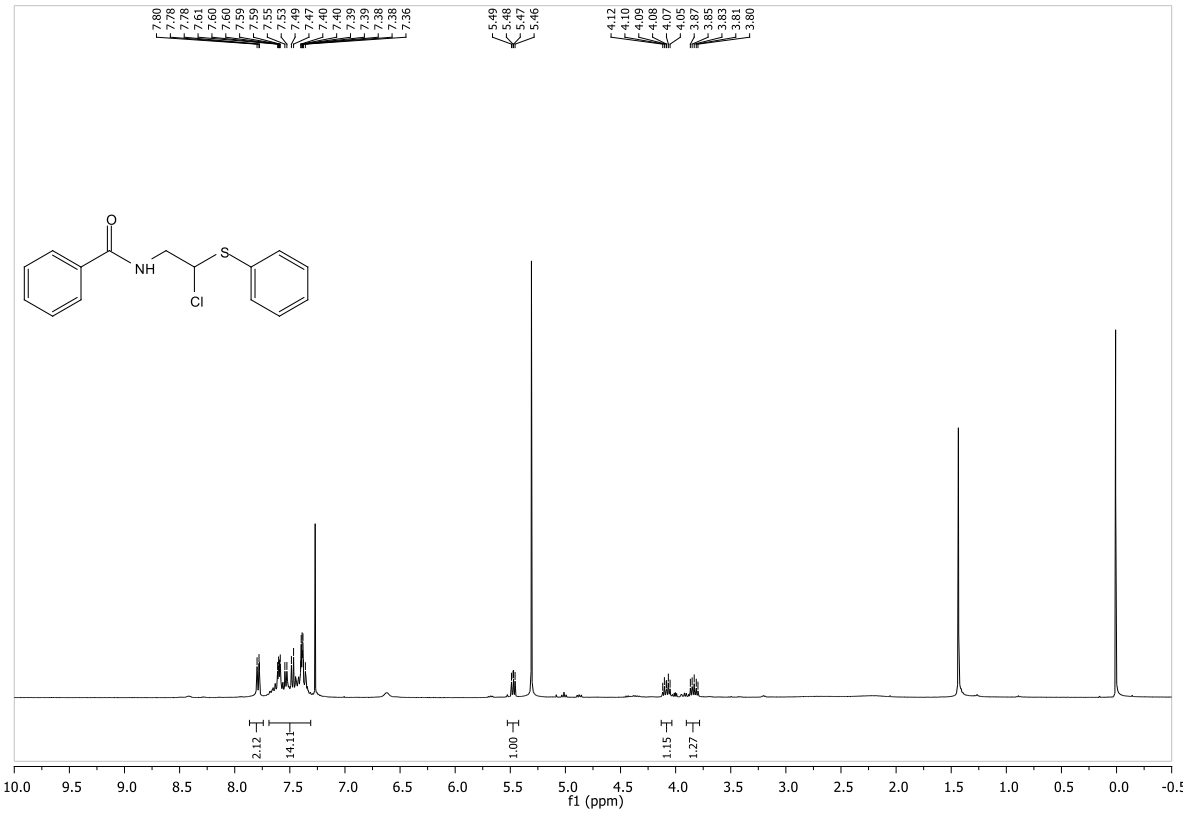
Insights into the Pummerer synthesis of oxazolines

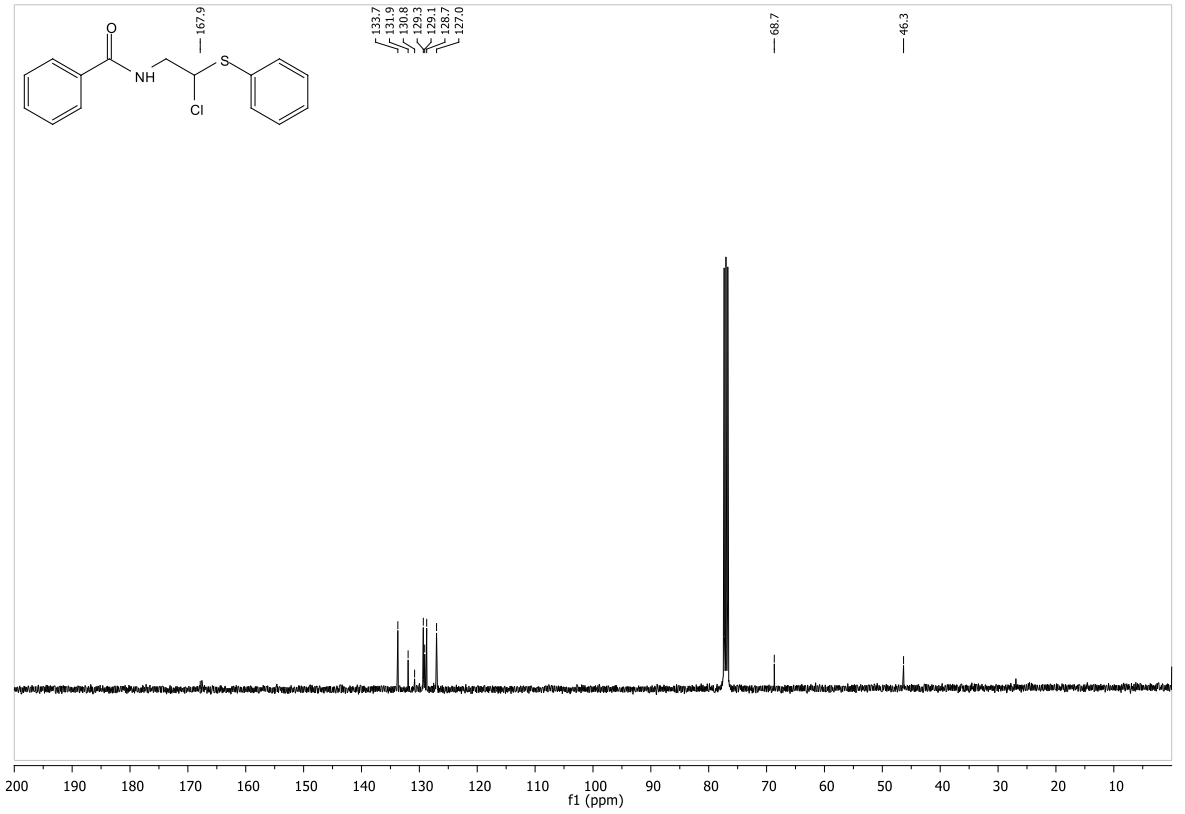
Laura Becerra-Cely, Juan Rueda-Espinosa, Andrea Ojeda-Porras and Diego Gamba-Sánchez*

Laboratory of Organic Synthesis, Bio and Organocatalysis, Chemistry Department, Universidad de los Andes, Cra 1 No. 18A-12; Q:305, Bogotá 111711, Colombia

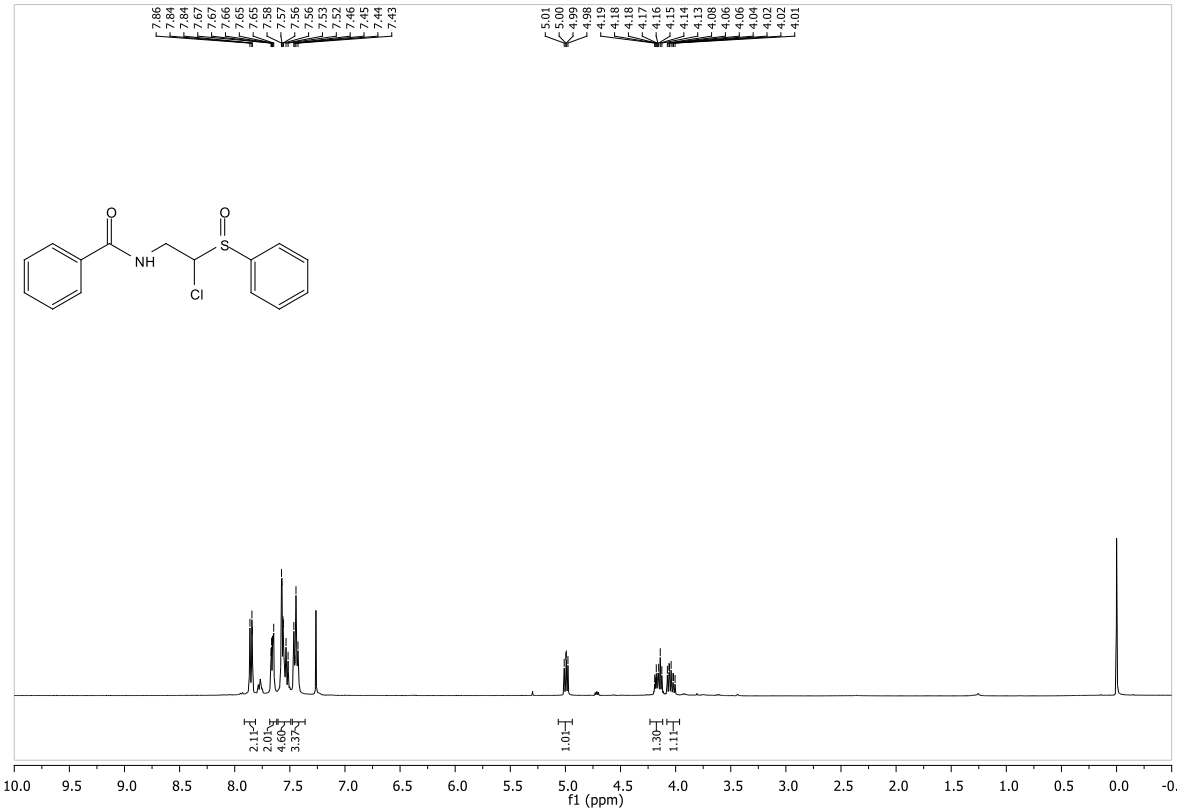
Copy of NMR spectra

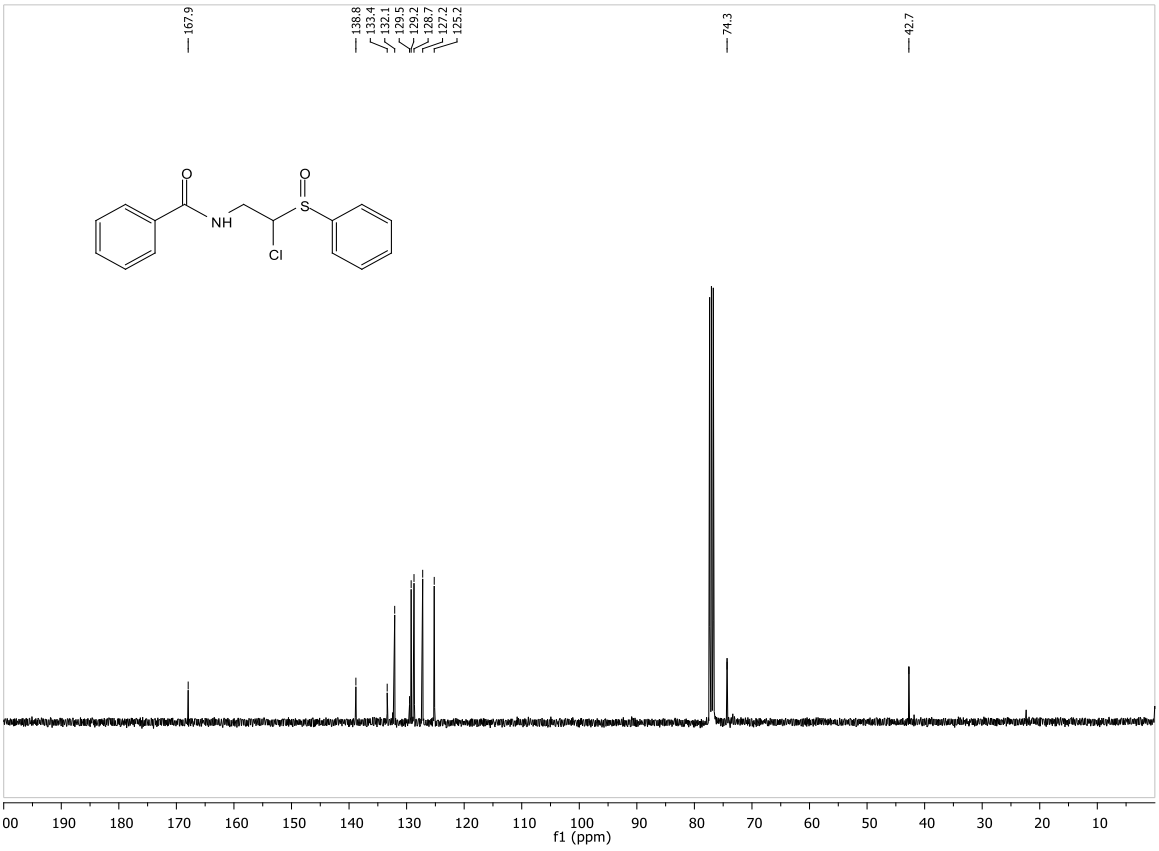
N-(2-chloro-2-(phenylthio)ethyl)benzamide (6)



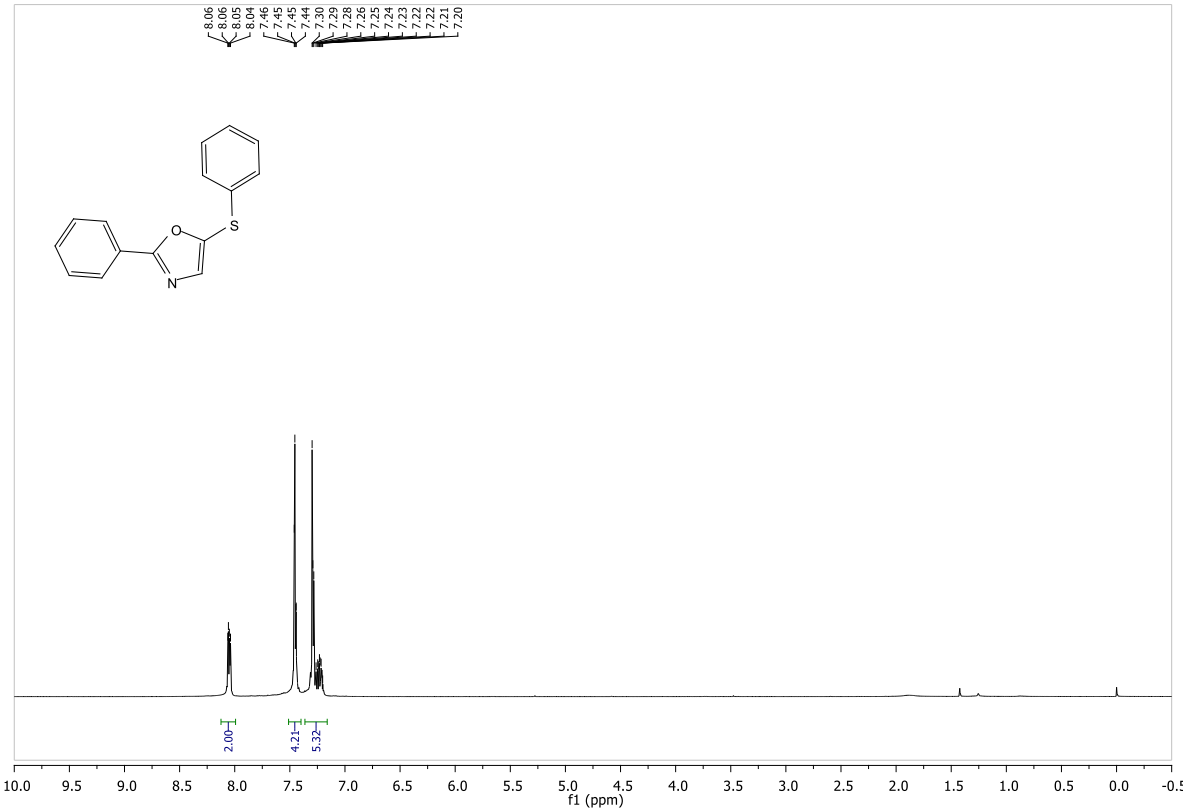


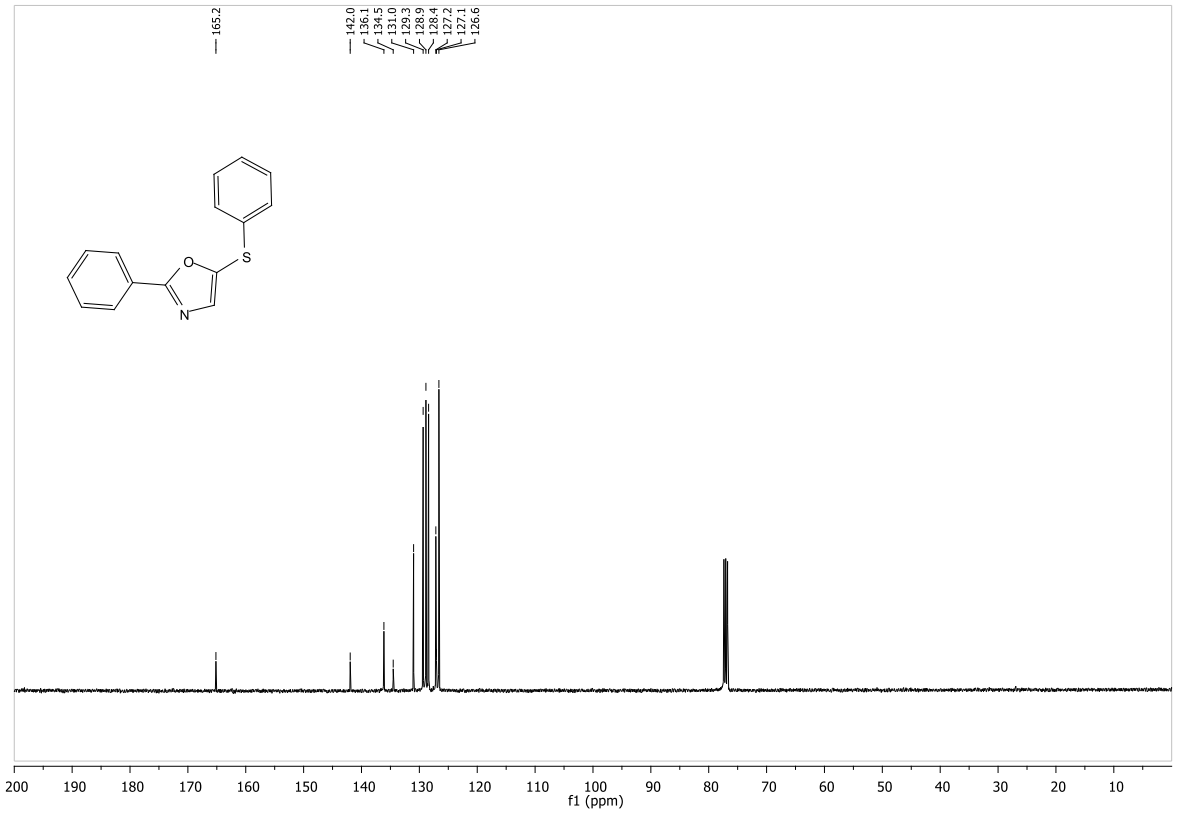
N-(2-chloro-2-(phenylsulfinyl)ethyl)benzamide (8)



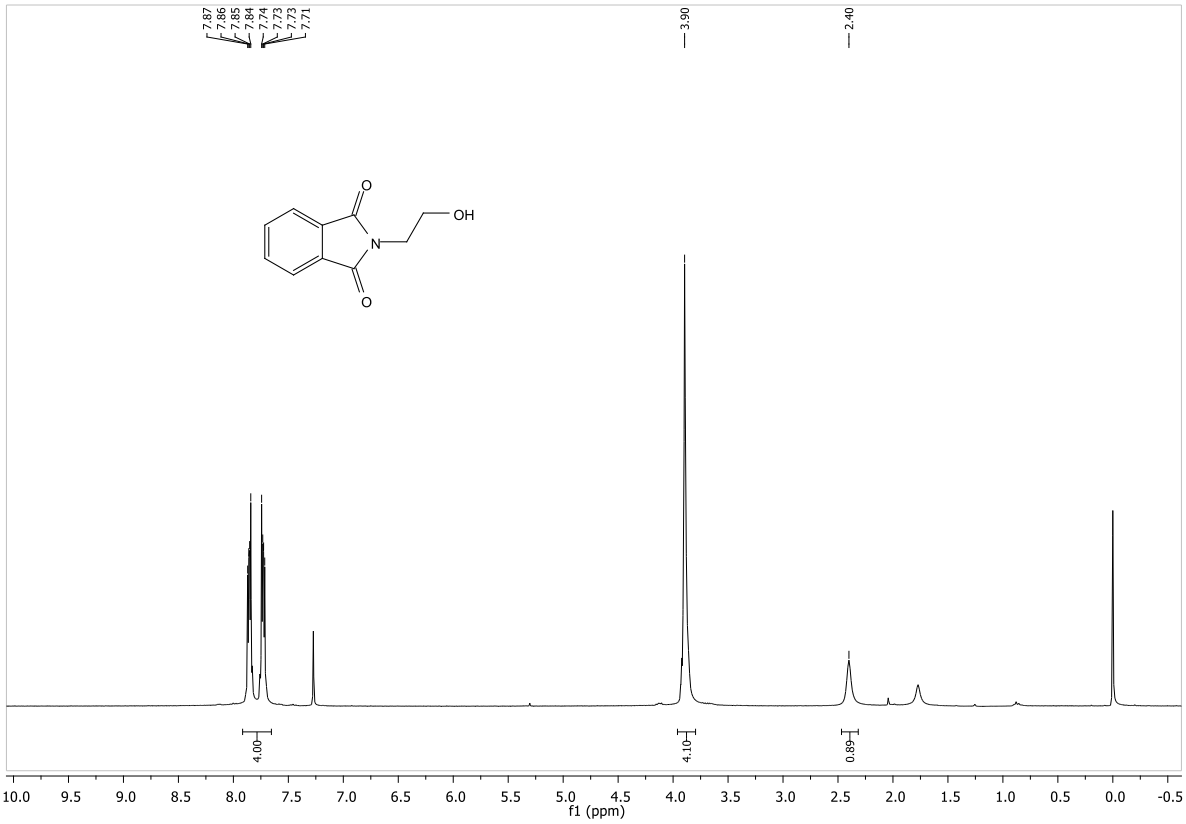


2-phenyl-5-(phenylthio)oxazole (10)

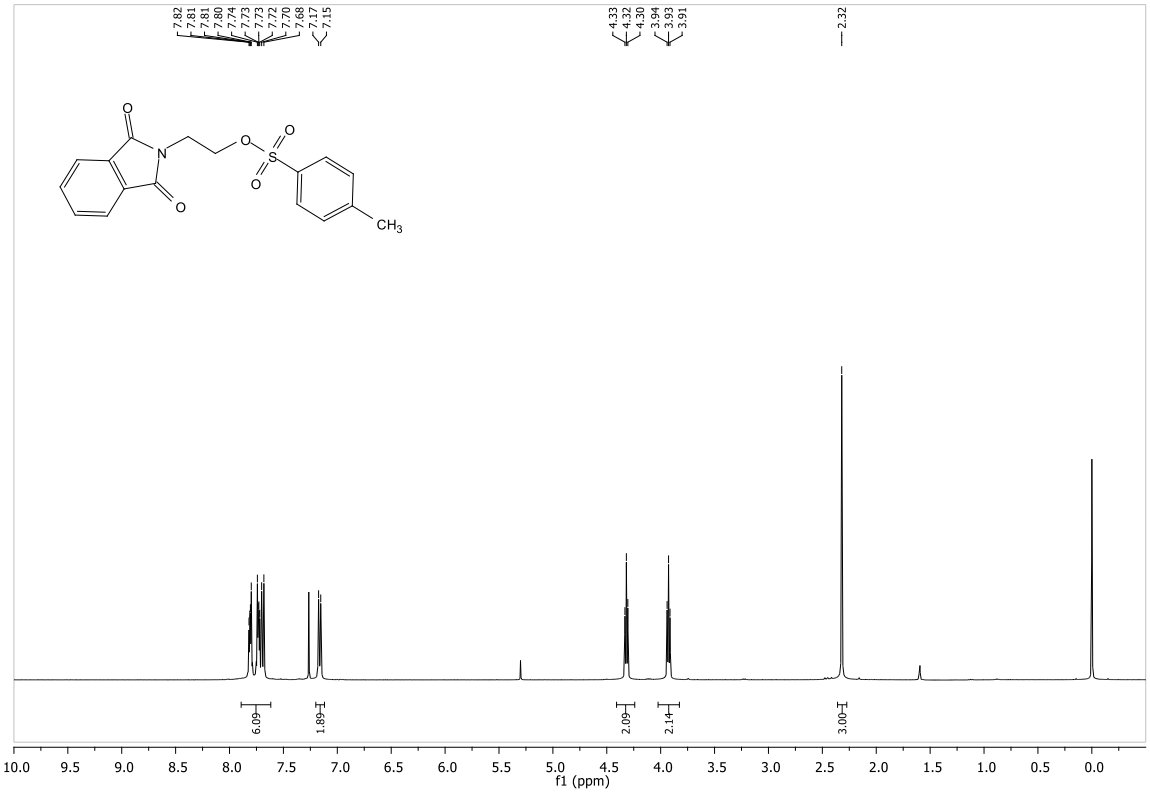


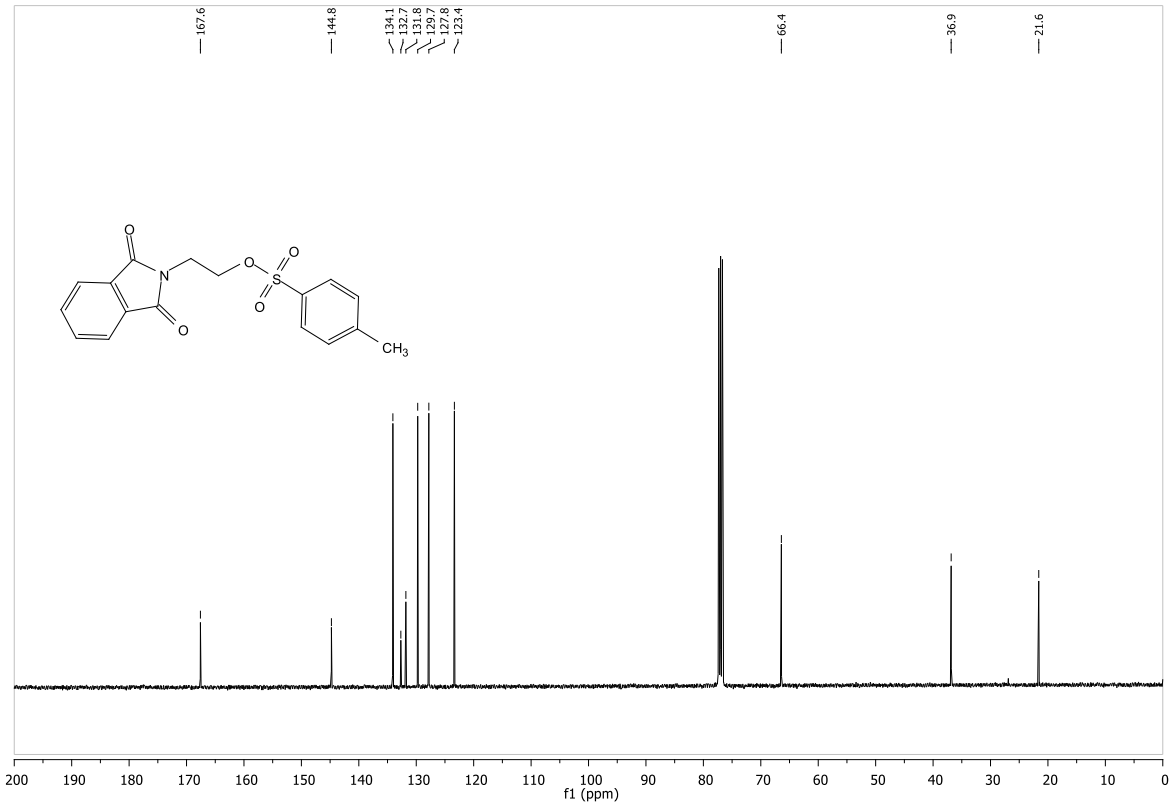


N-(2-Hydroxyethyl)phthalimide (12)

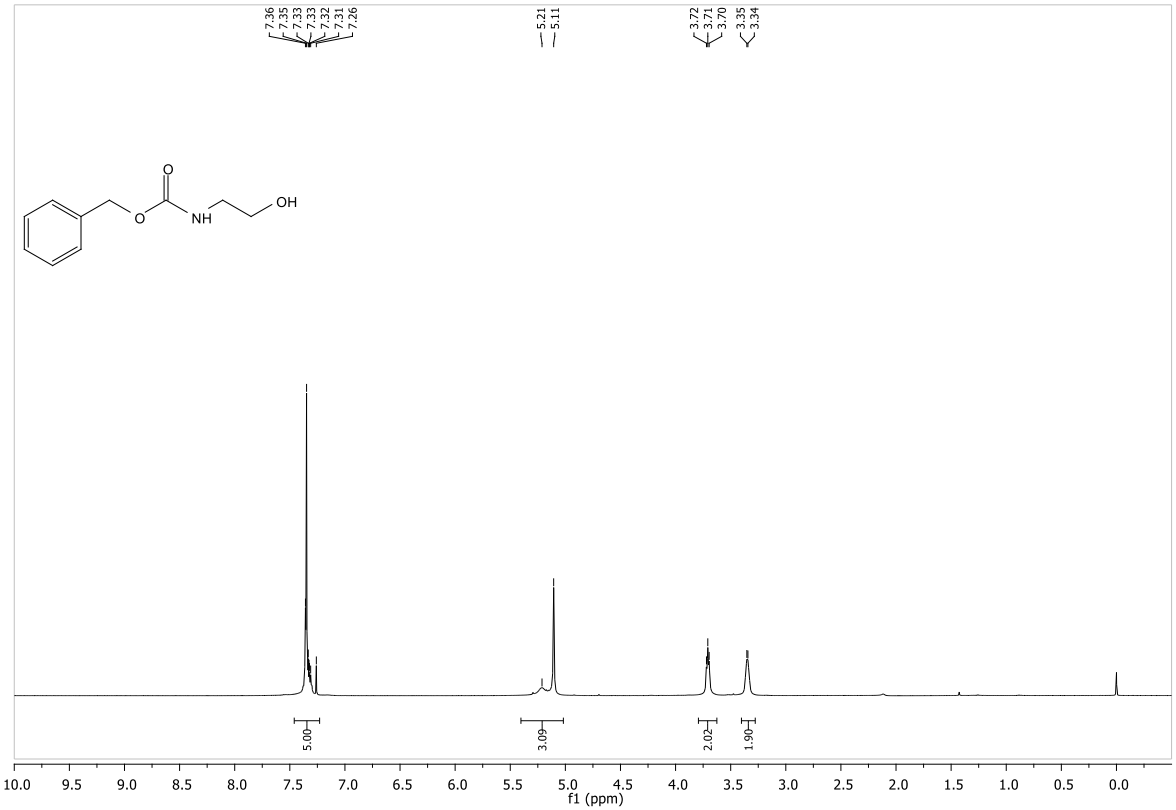


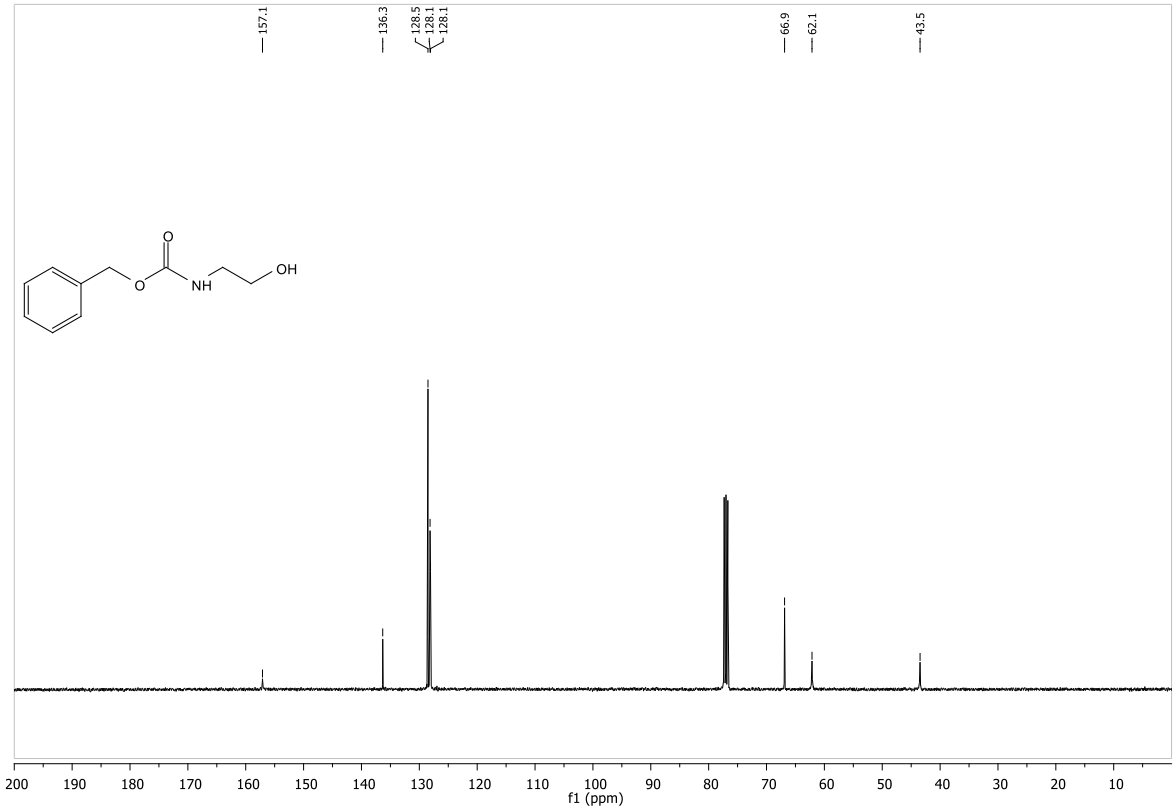
2-(1,3-dioxoisoindolin-2-yl)ethyl 4-methylbenzenesulfonate (13)



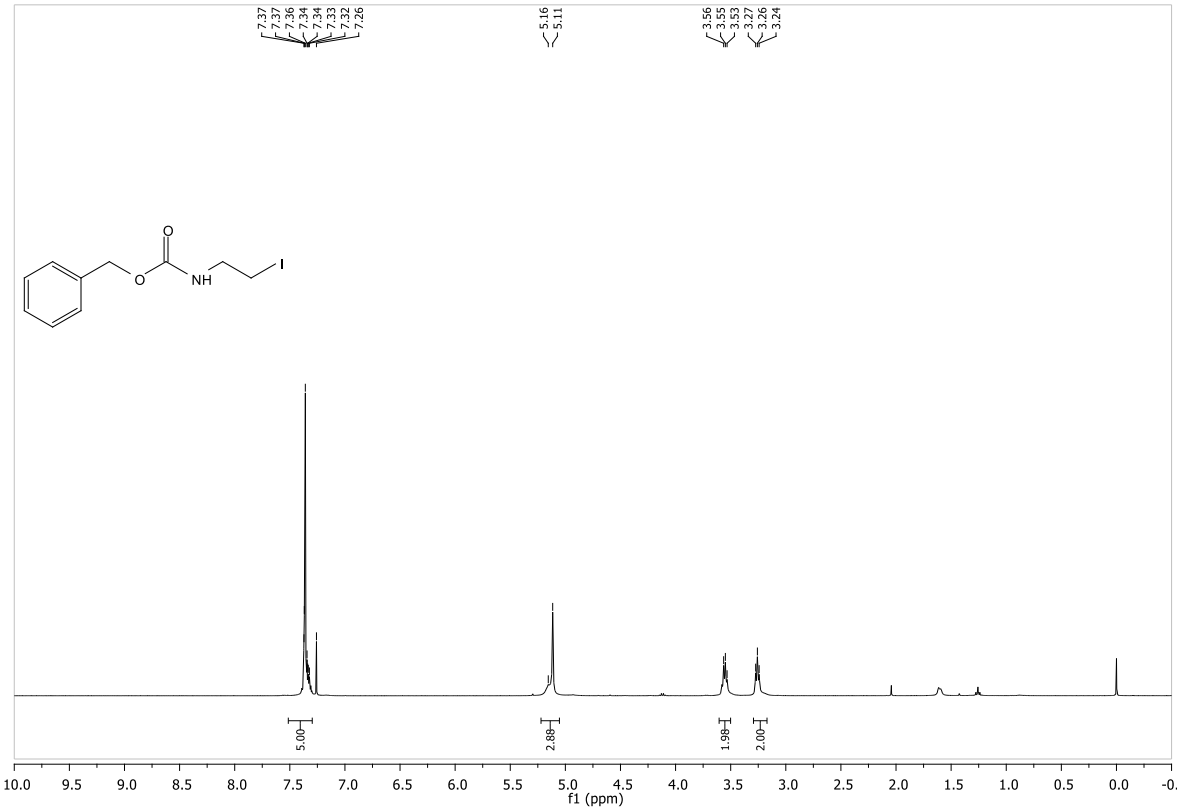


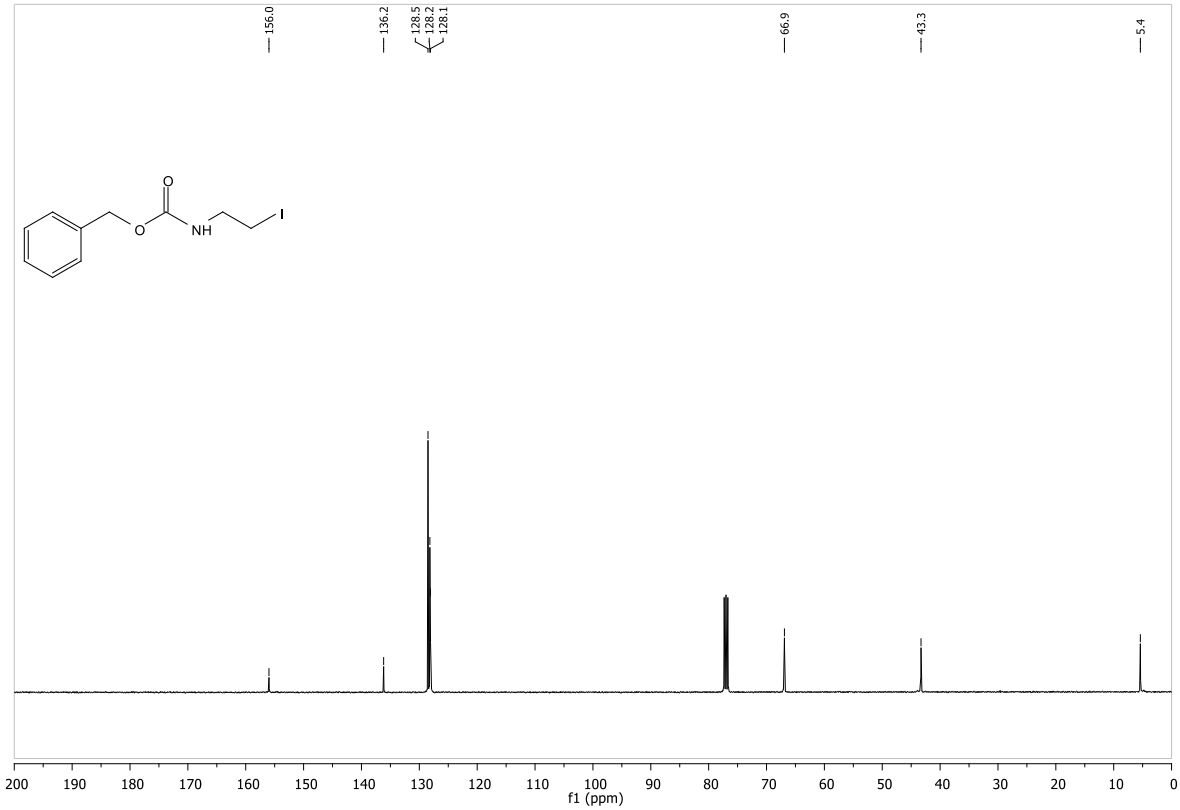
Benzyl (2-hydroxyethyl)carbamate (14)



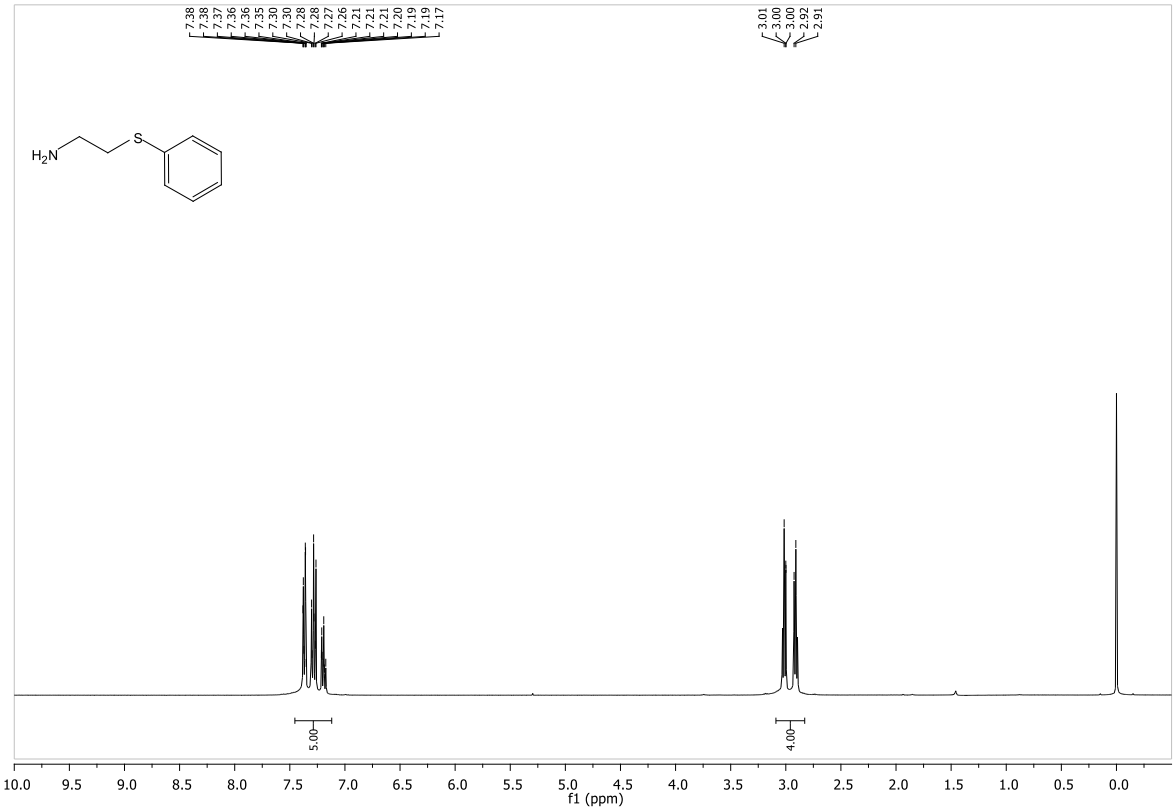


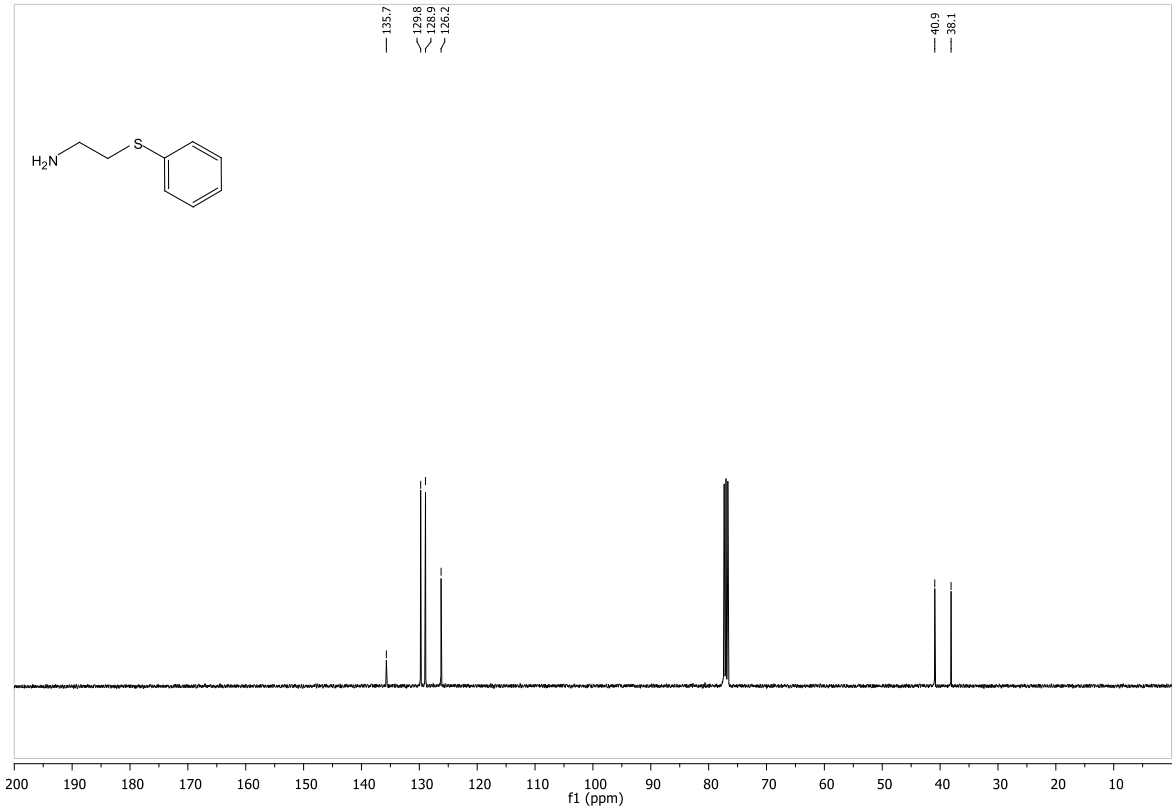
Benzyl (2-iodoethyl)carbamate (15)



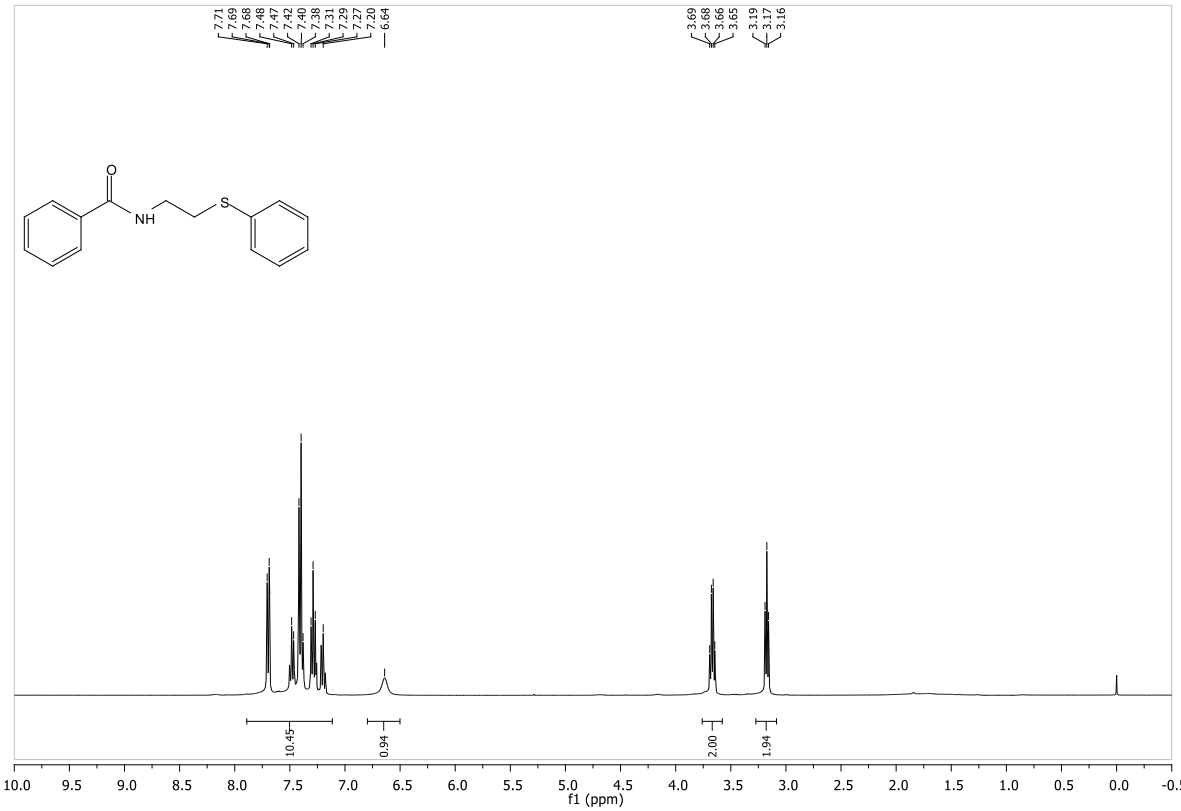


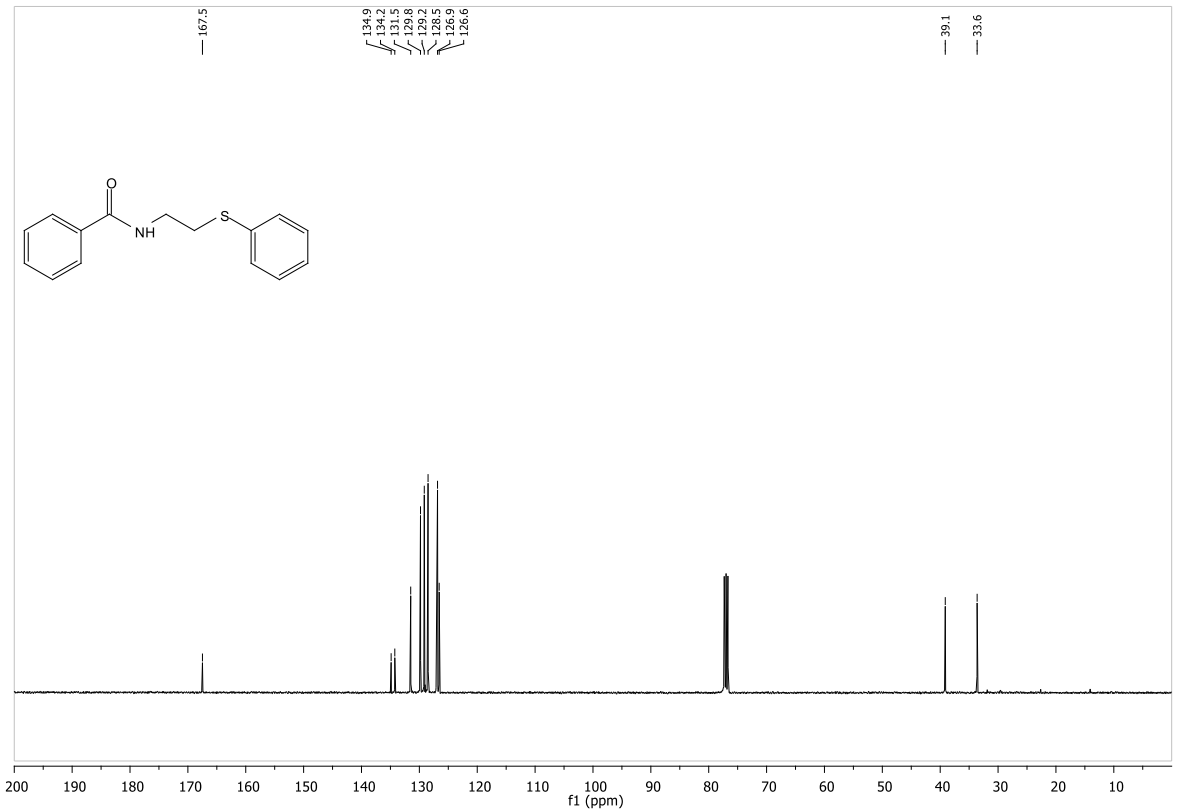
2-(phenylthio)ethan-1-amine (16)



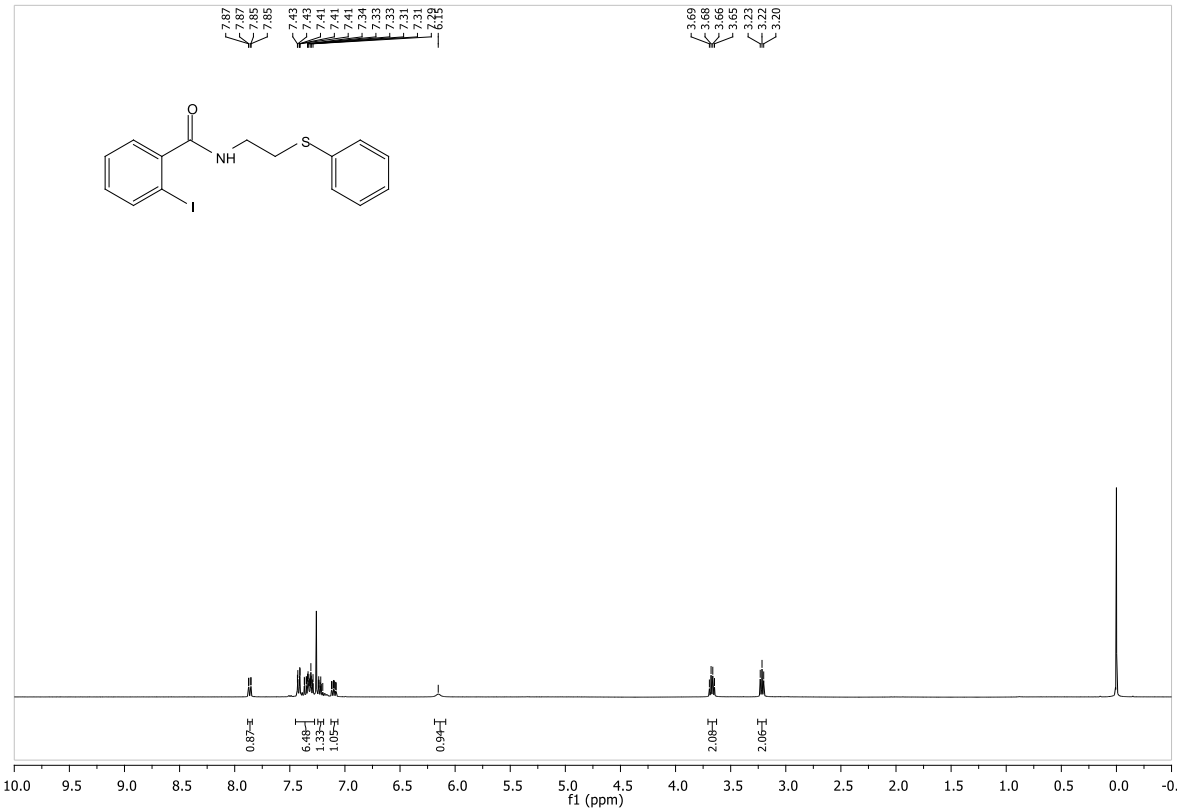


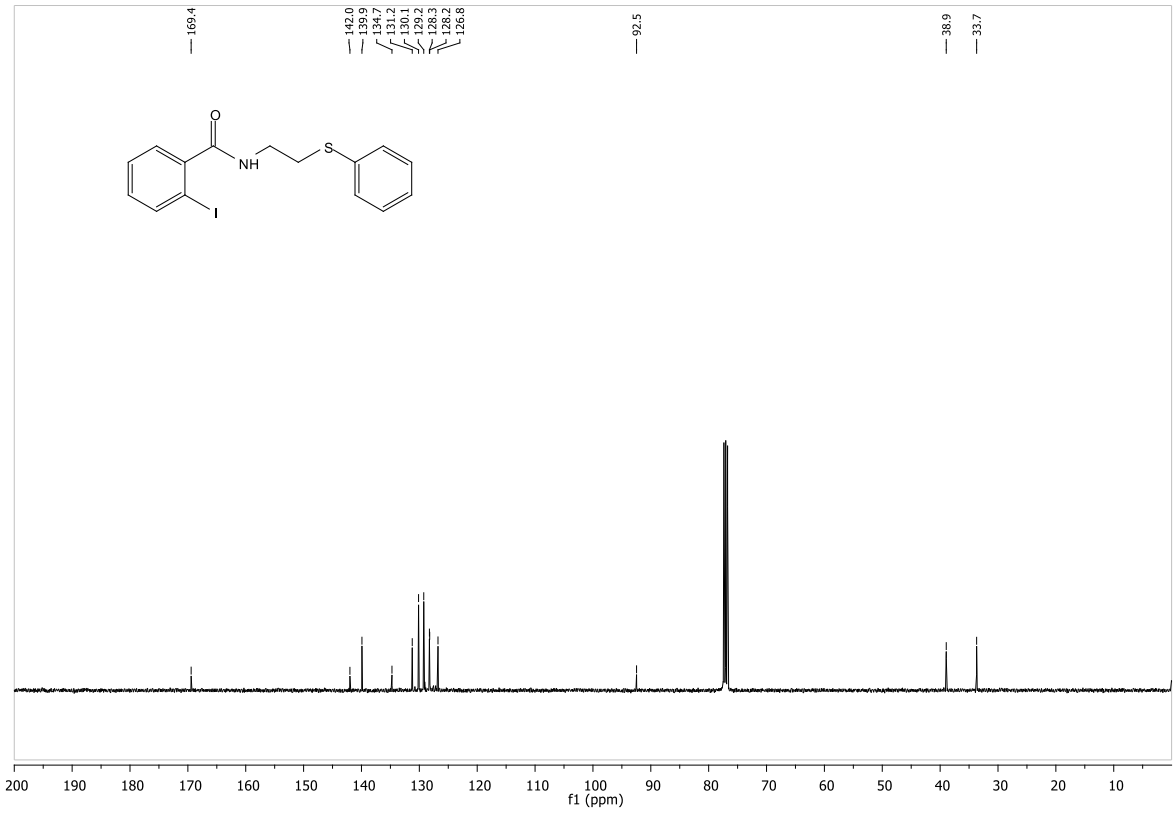
N-(2-(phenylthio)ethyl)benzamide (5a)



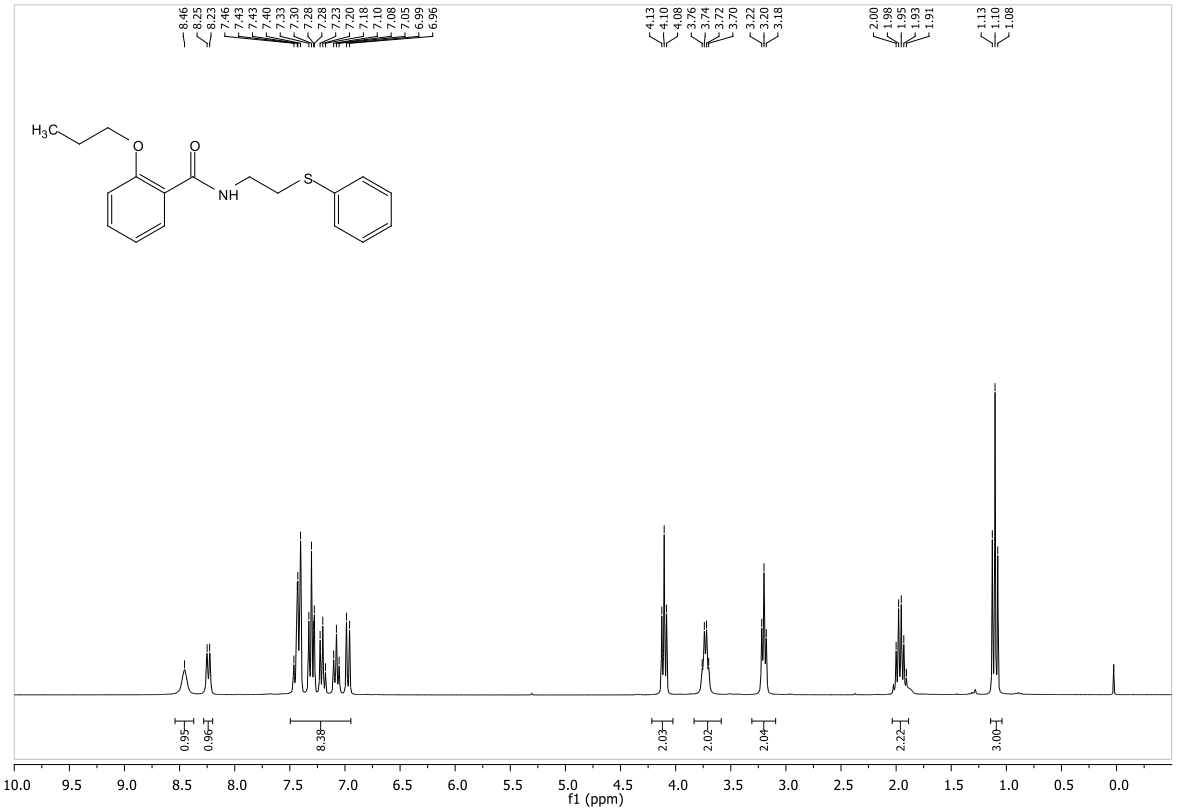


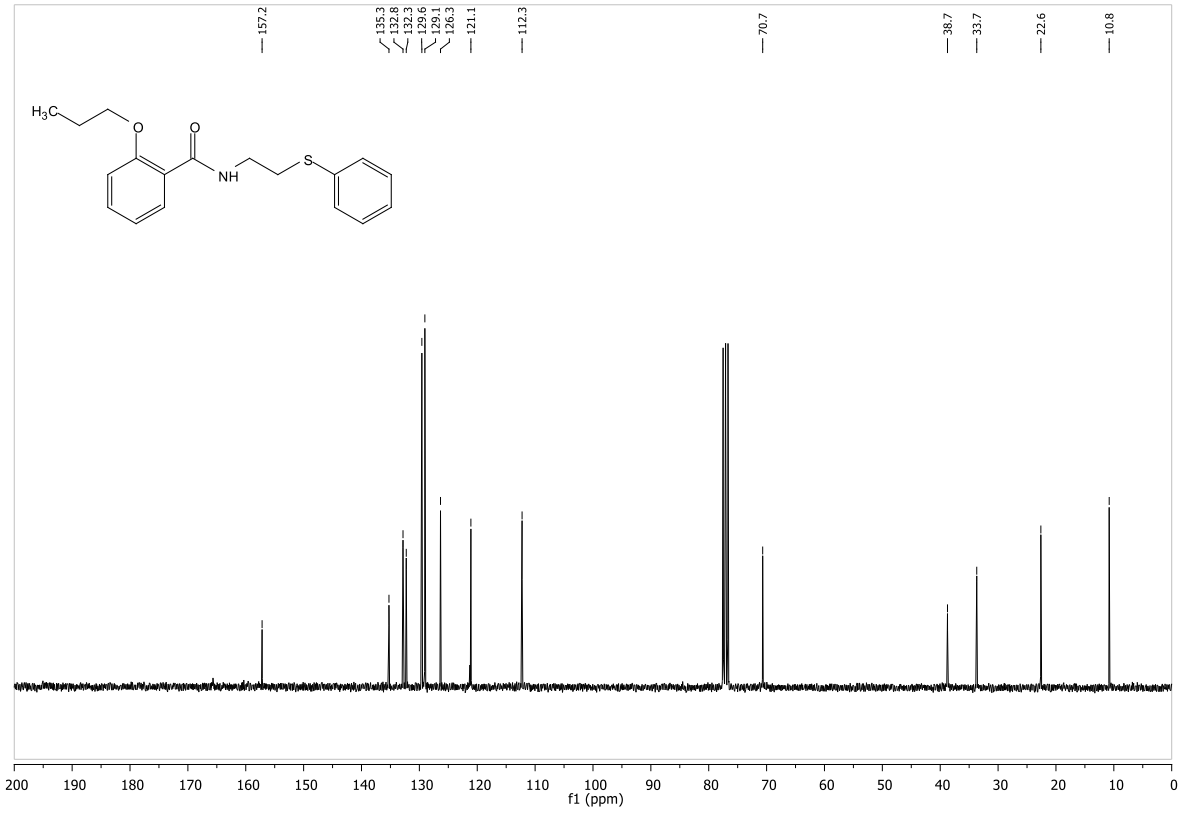
2-iodo-*N*-(2-(phenylthio)ethyl)benzamide (5b)



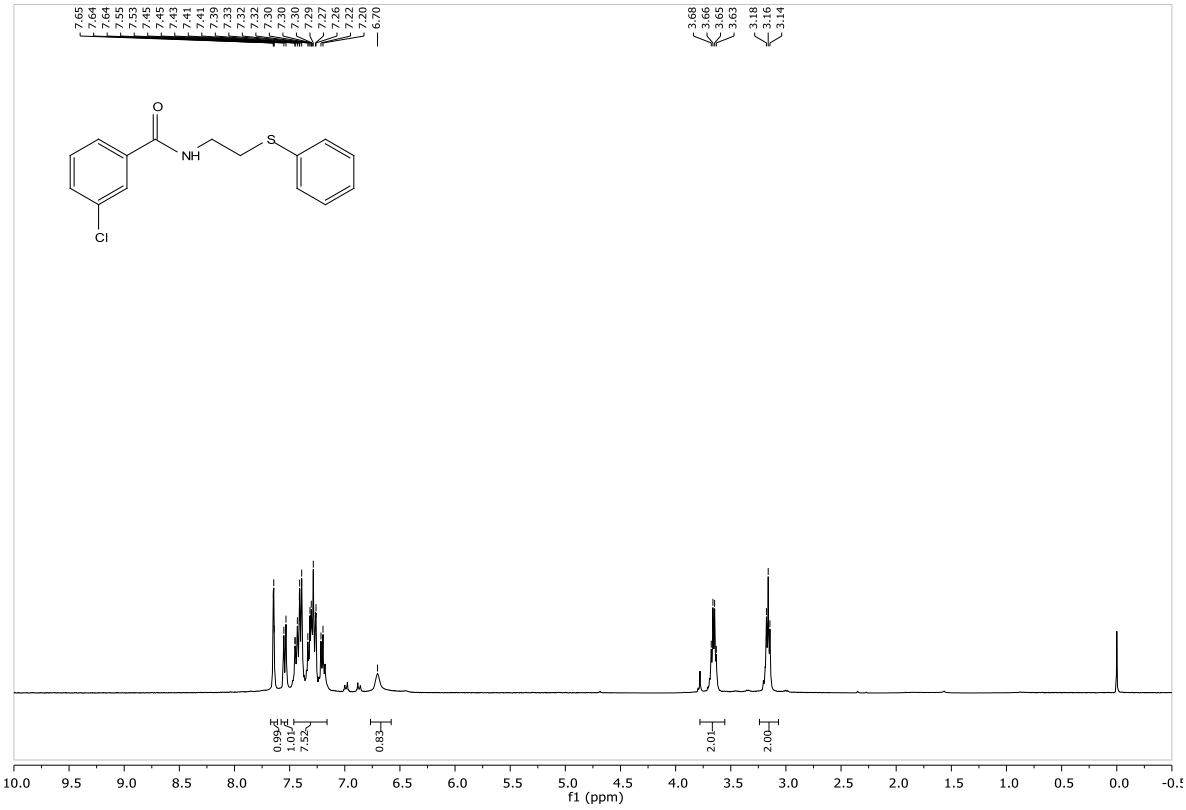


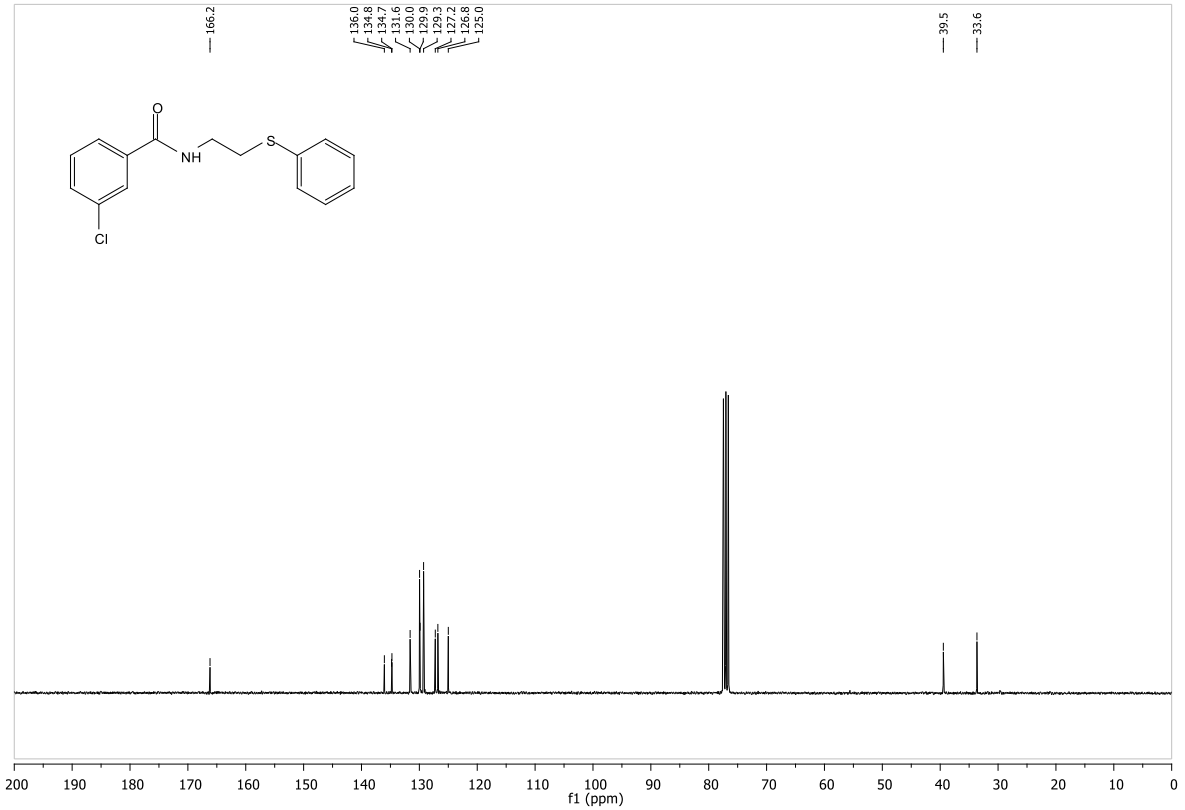
N-(2-(phenylthio)ethyl)-2-propoxybenzamide (5c)



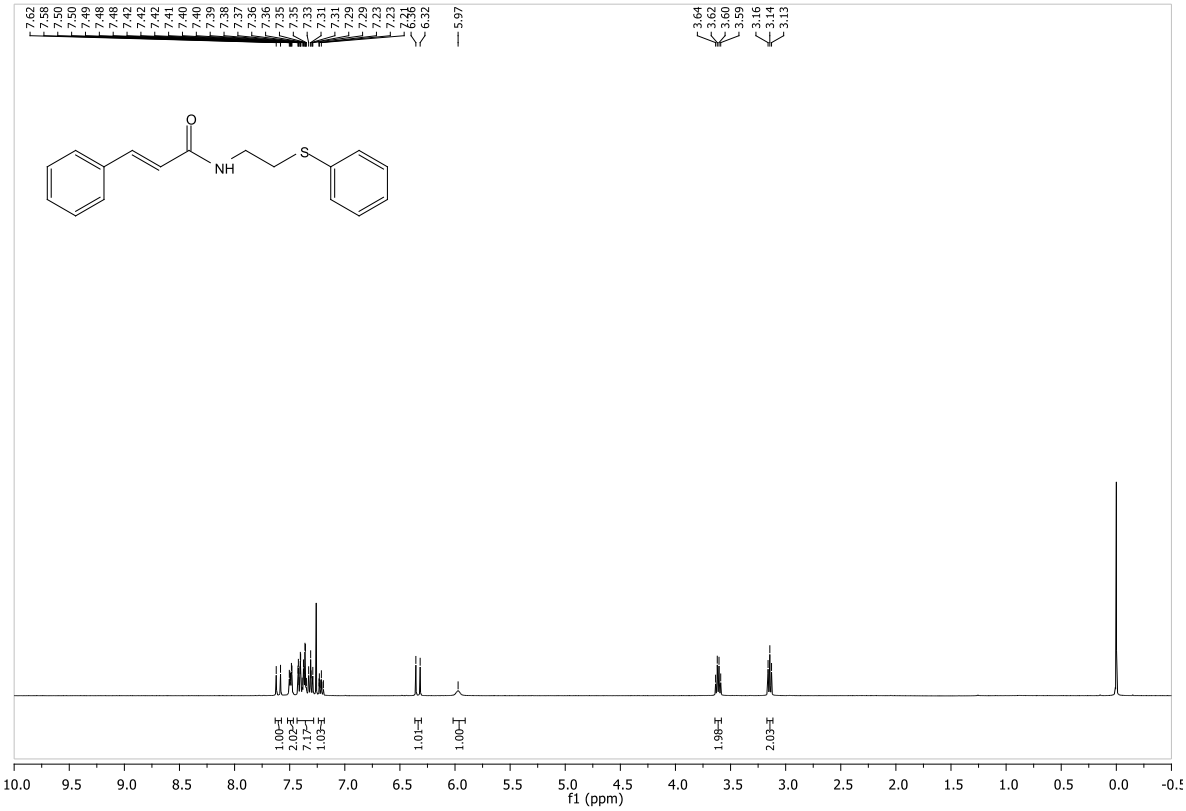


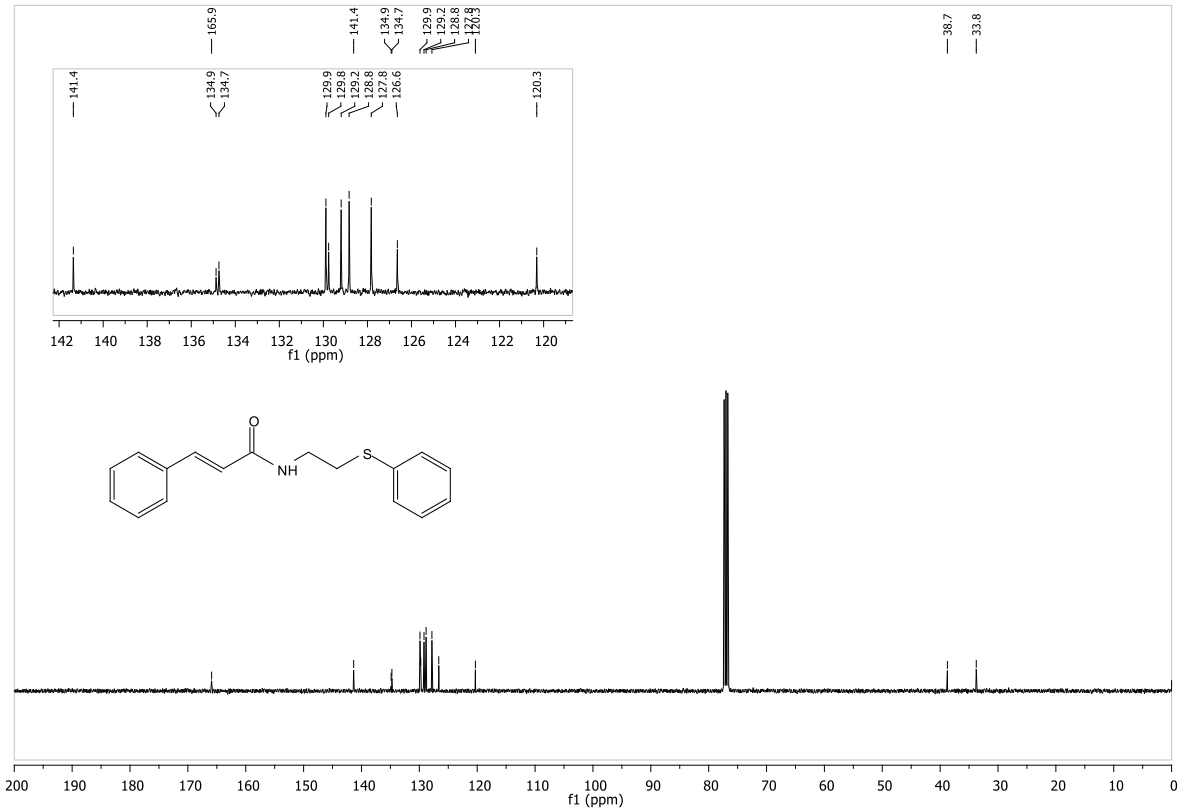
3-chloro-N-(2-(phenylthio)ethyl)benzamide (5d)



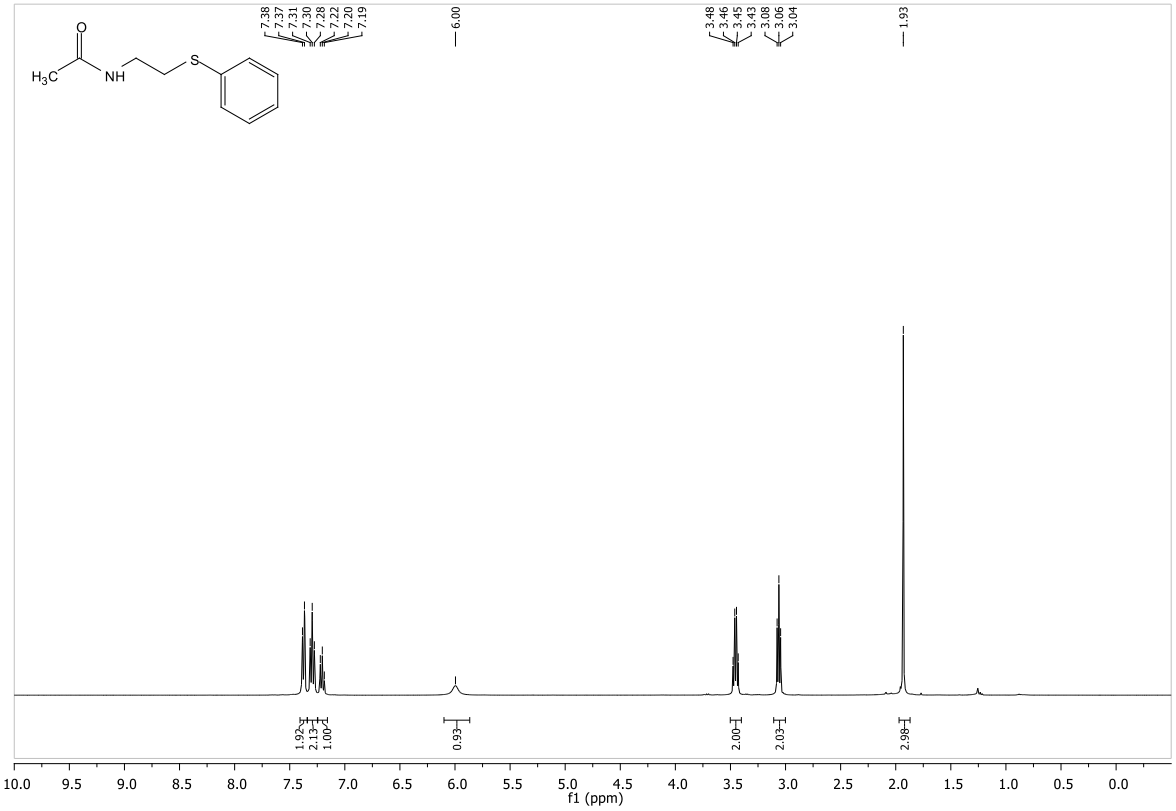


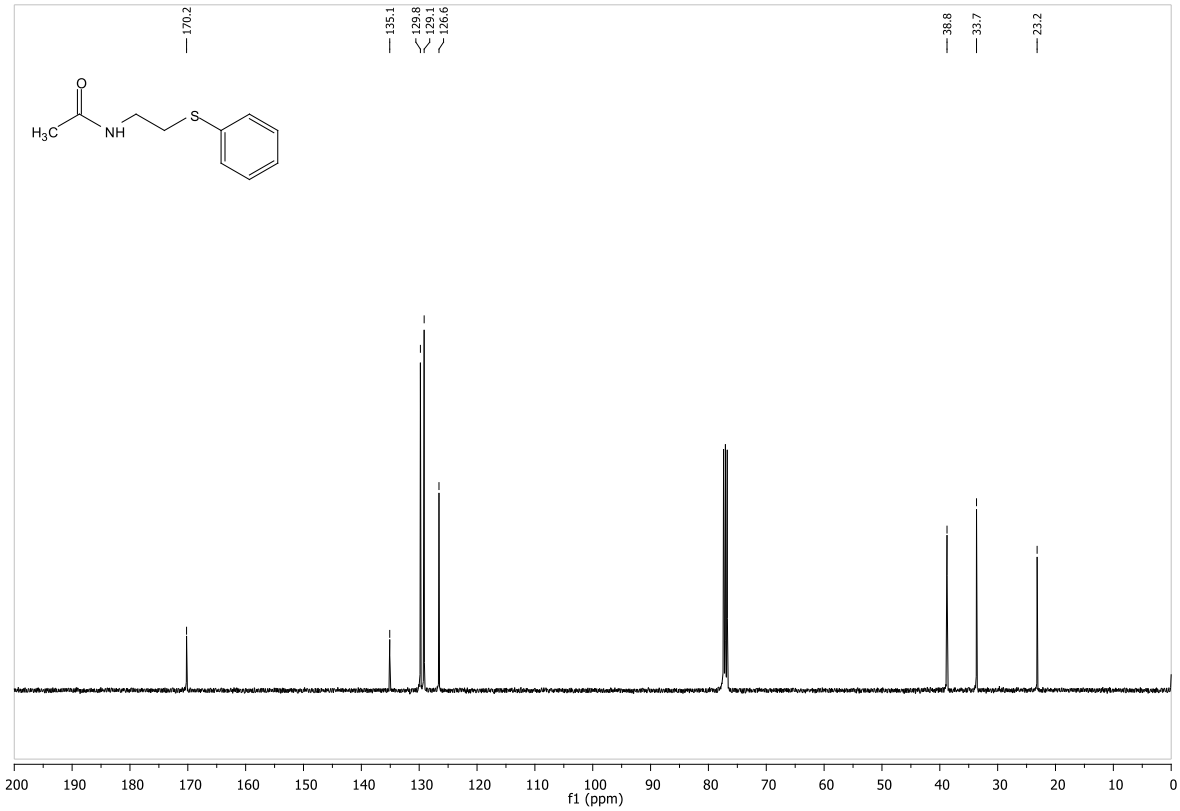
N-(2-(phenylthio)ethyl)cinnamamide (5e)



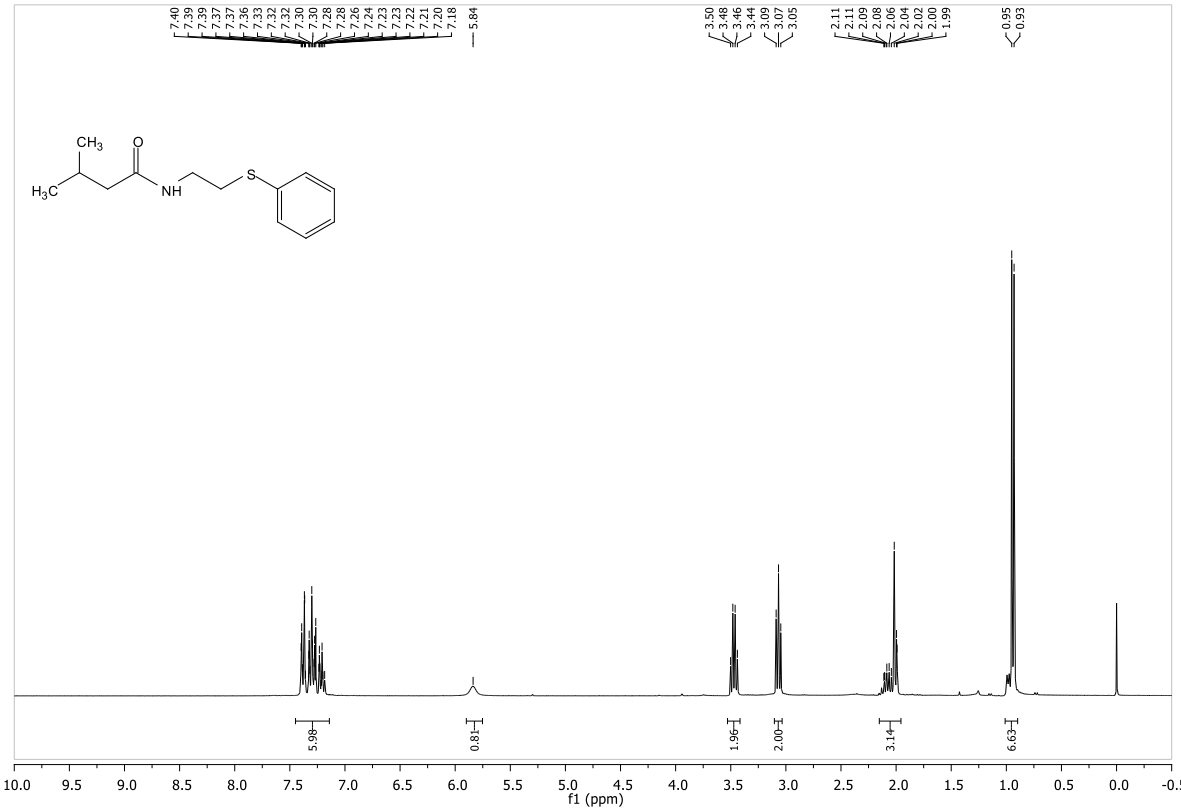


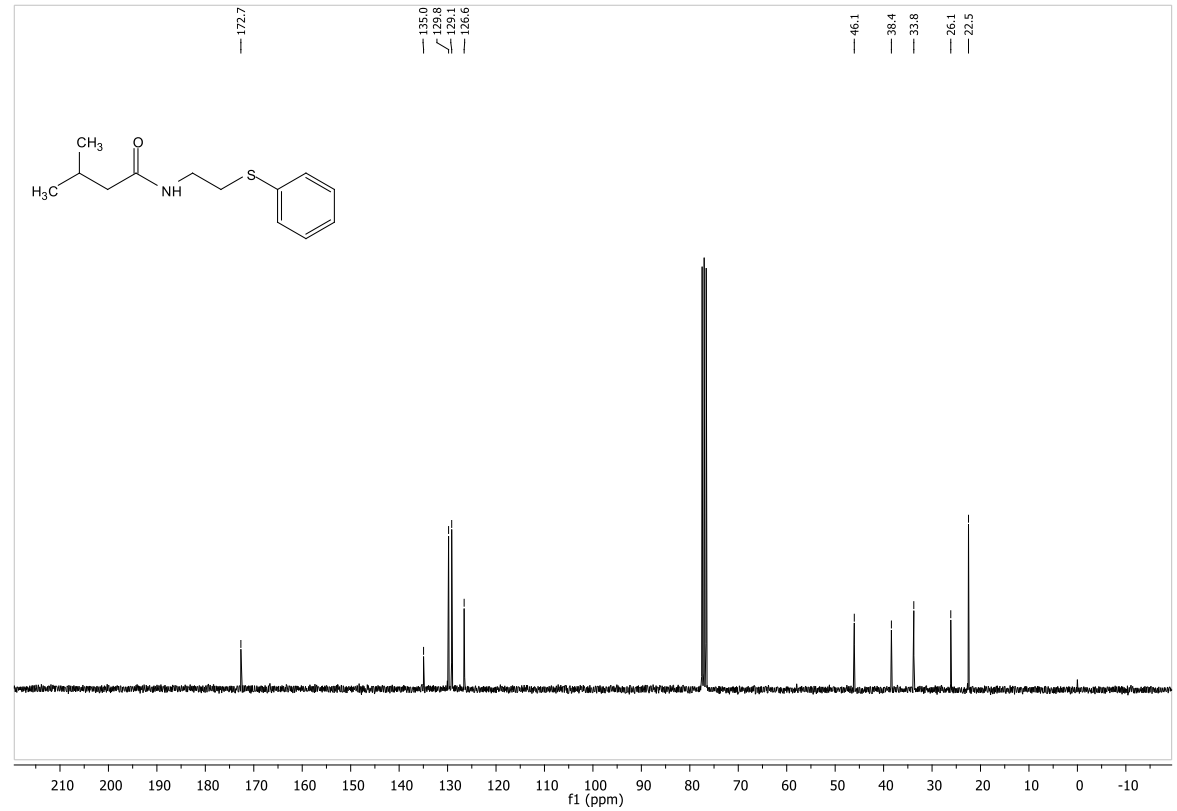
N-(2-(phenylthio)ethyl)acetamide (5f)



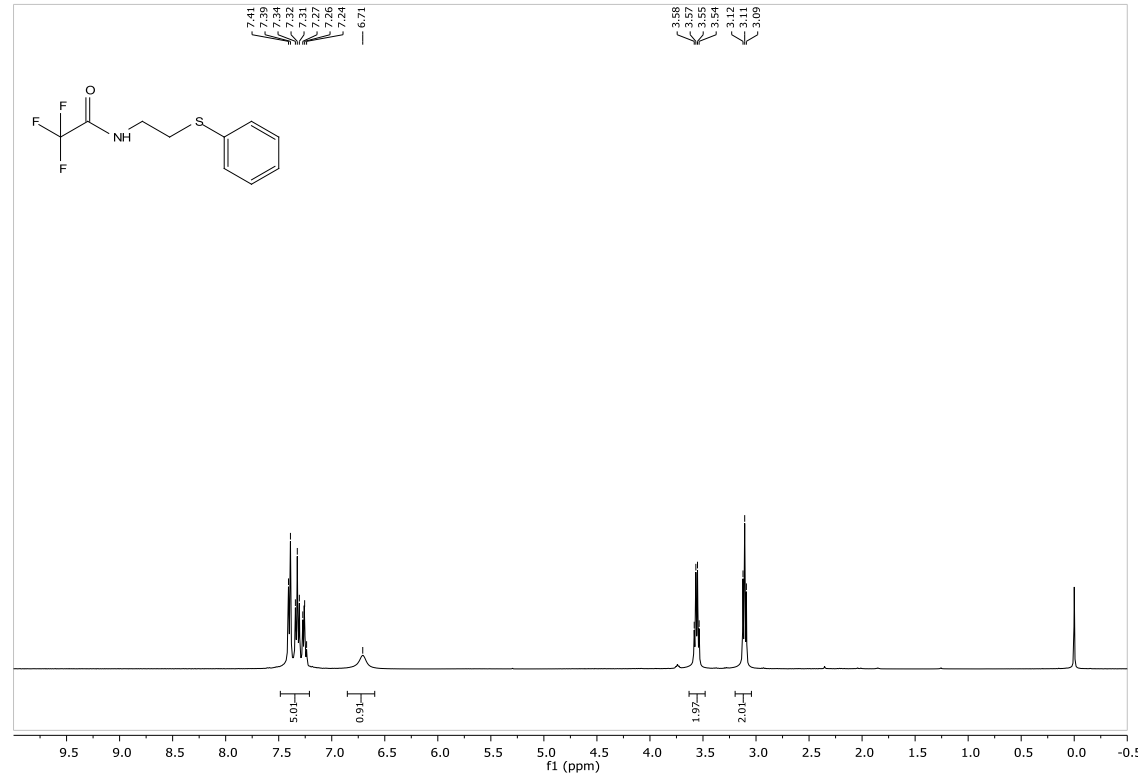


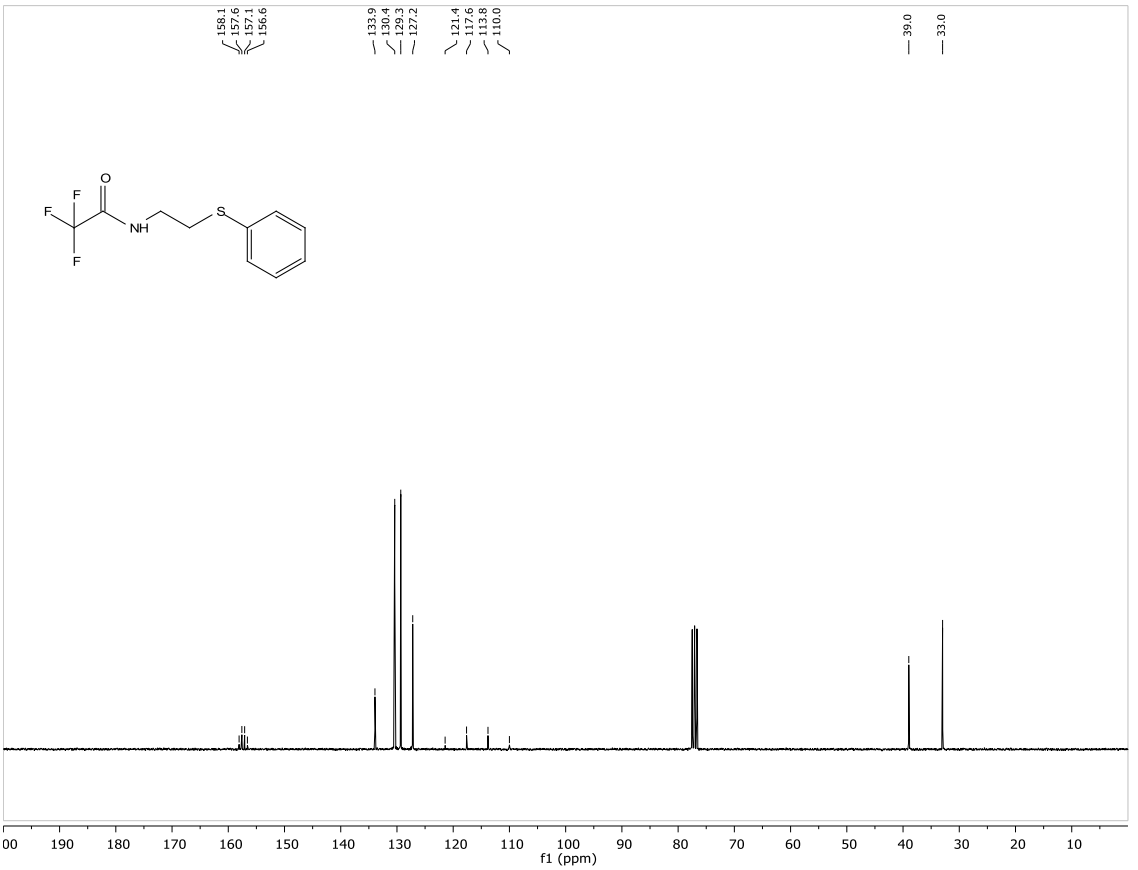
3-methyl-*N*-(2-(phenylthio)ethyl)butanamide (5g)



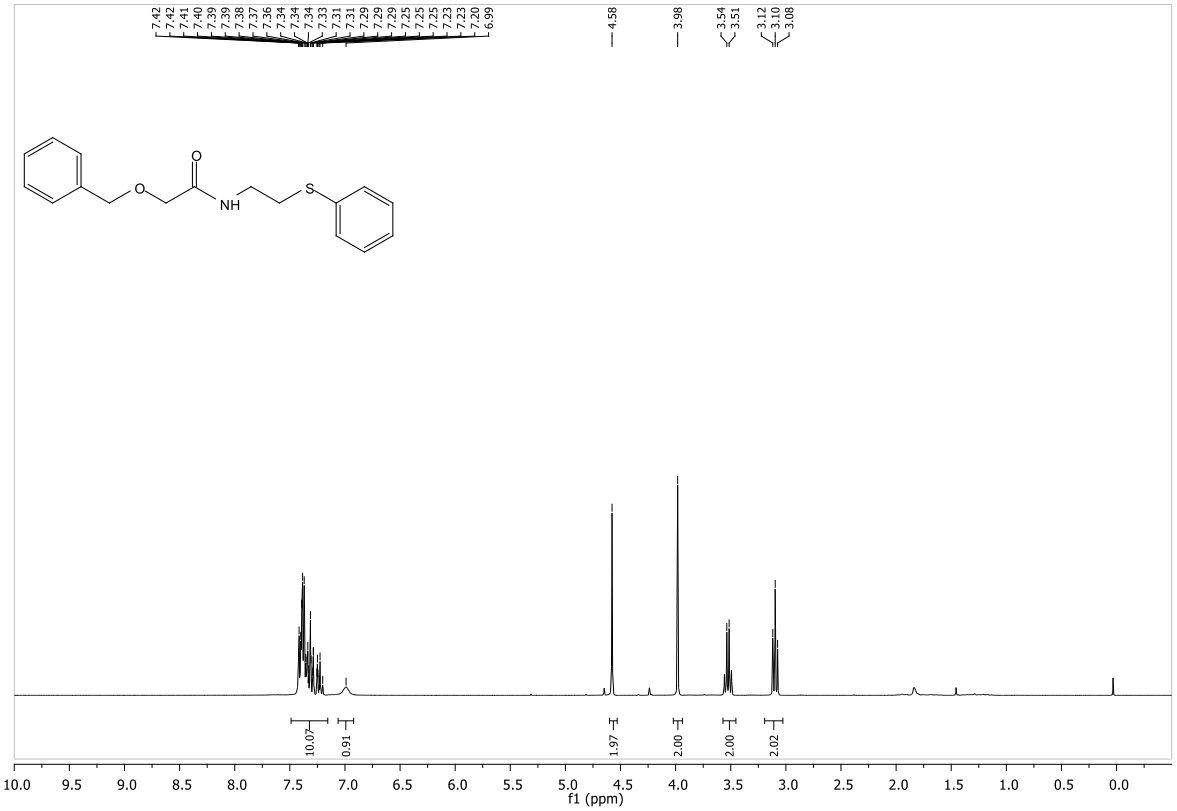


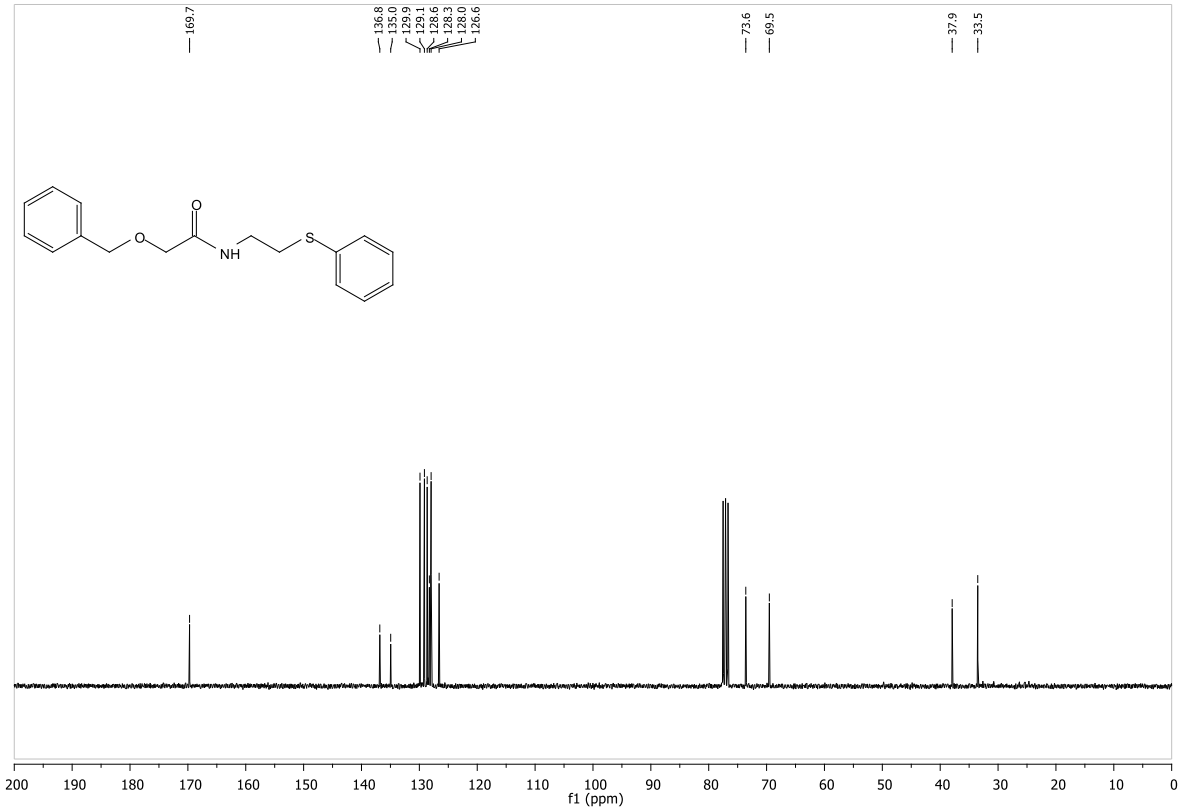
2,2,2-trifluoro-*N*-(2-(phenylthio)ethyl)acetamide (5h)



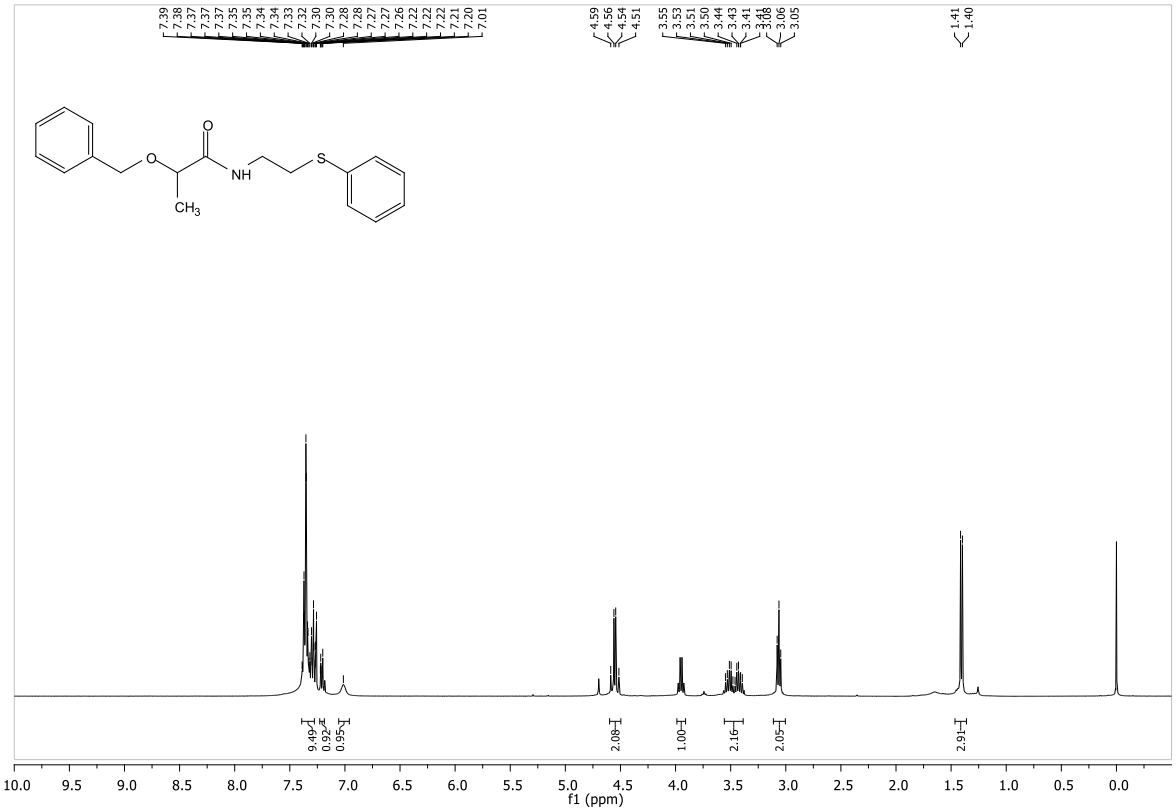


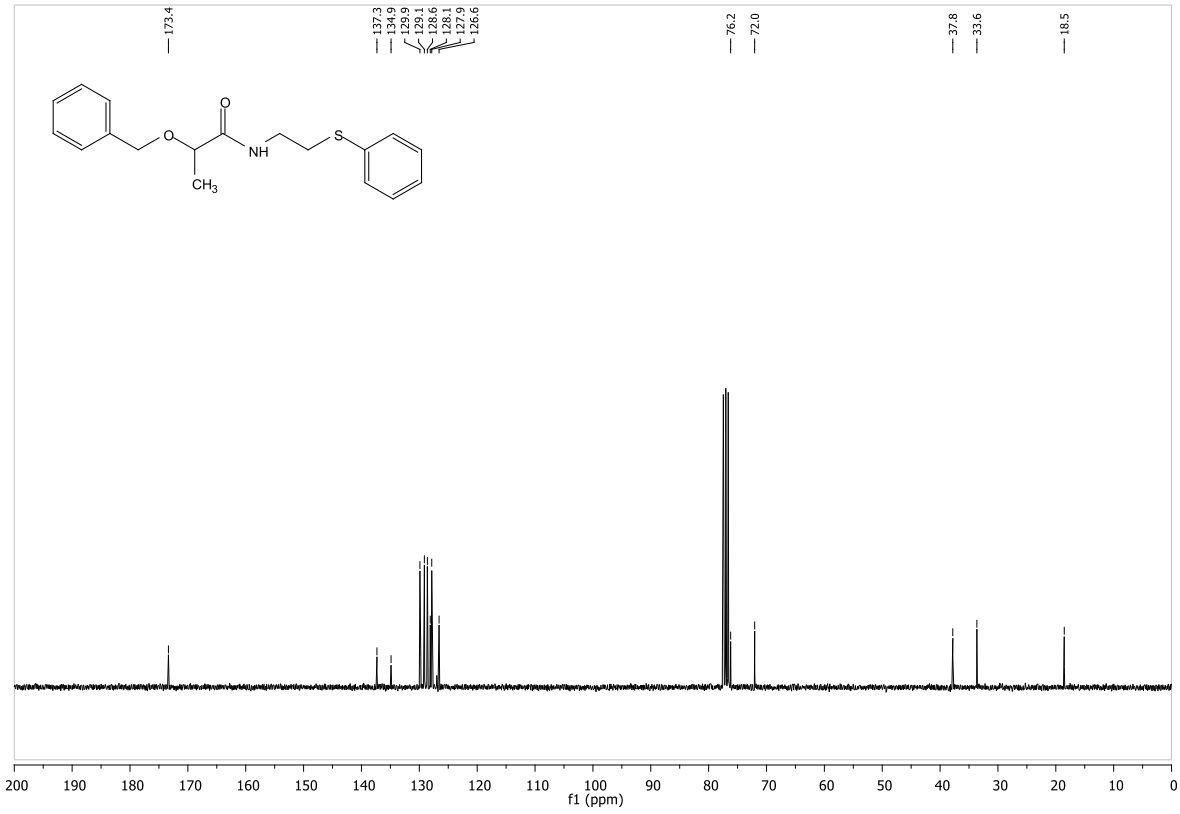
2-(benzyloxy)-*N*-(2-(phenylthio)ethyl)acetamide (5i)



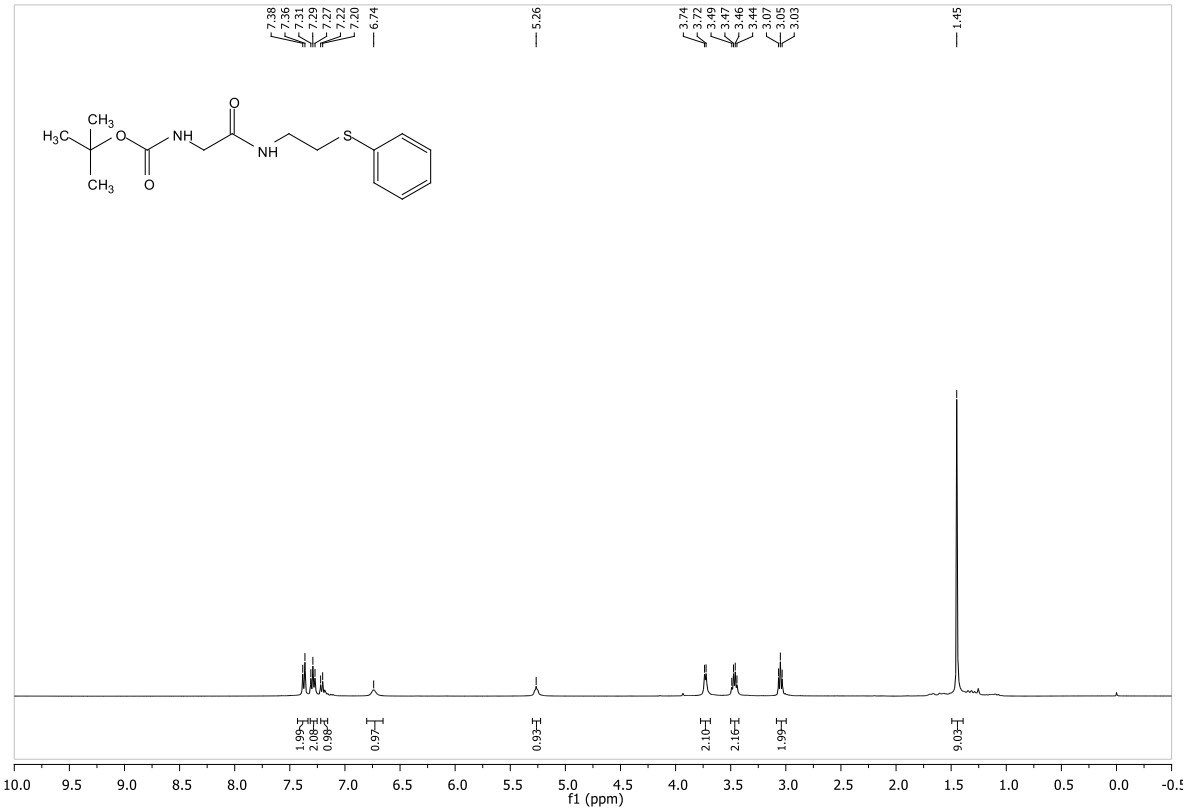


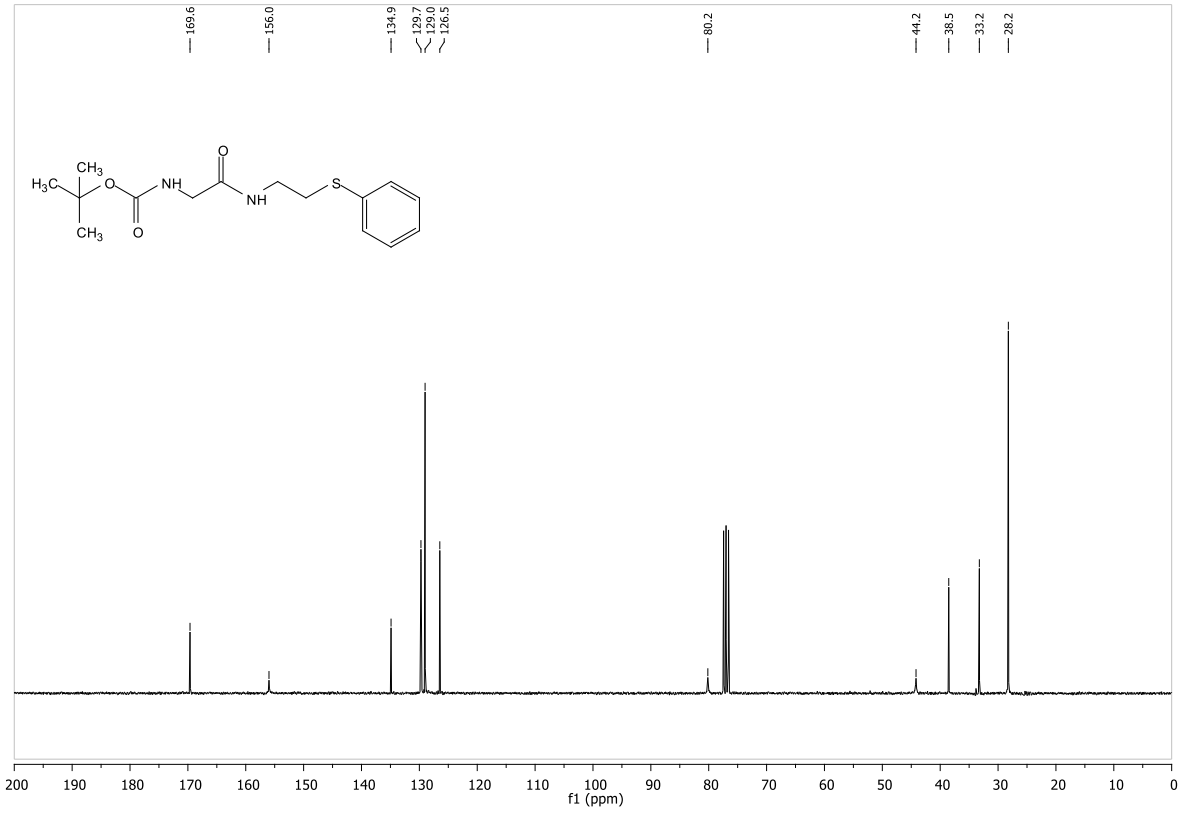
2-(benzyloxy)-*N*-(2-(phenylthio)ethyl)propanamide (5j)



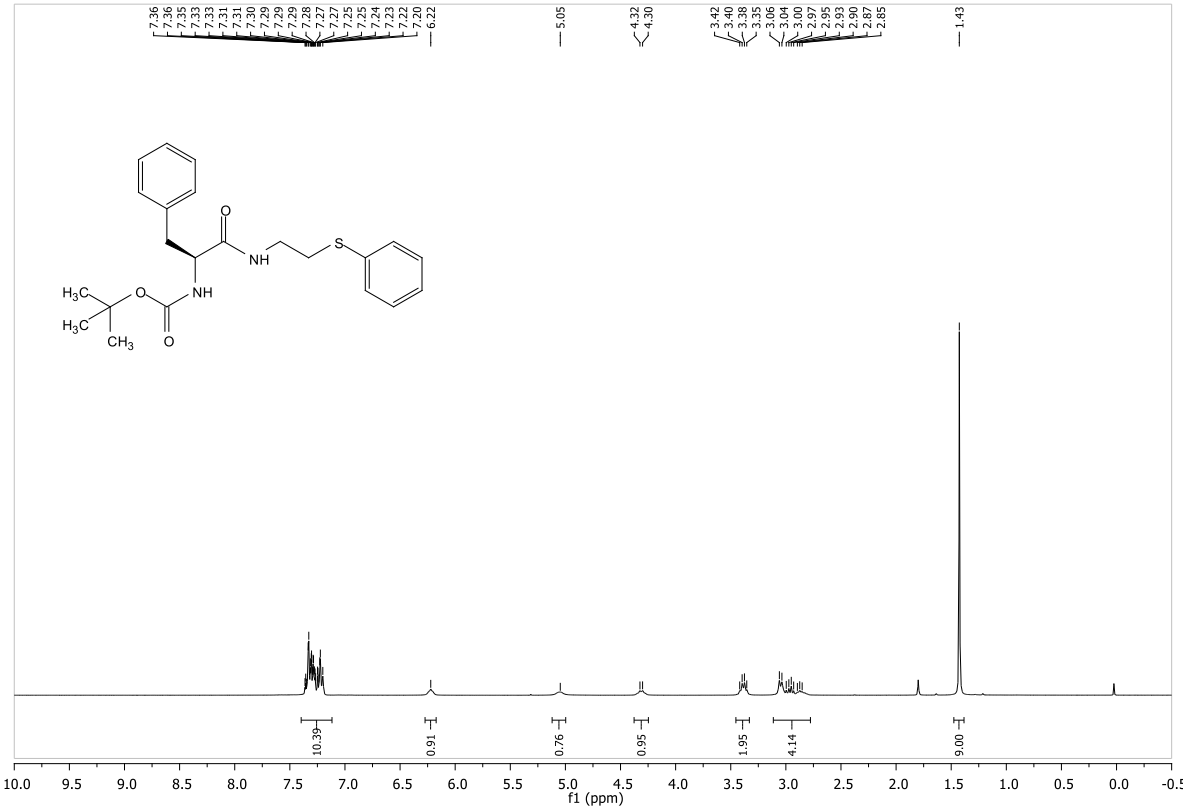


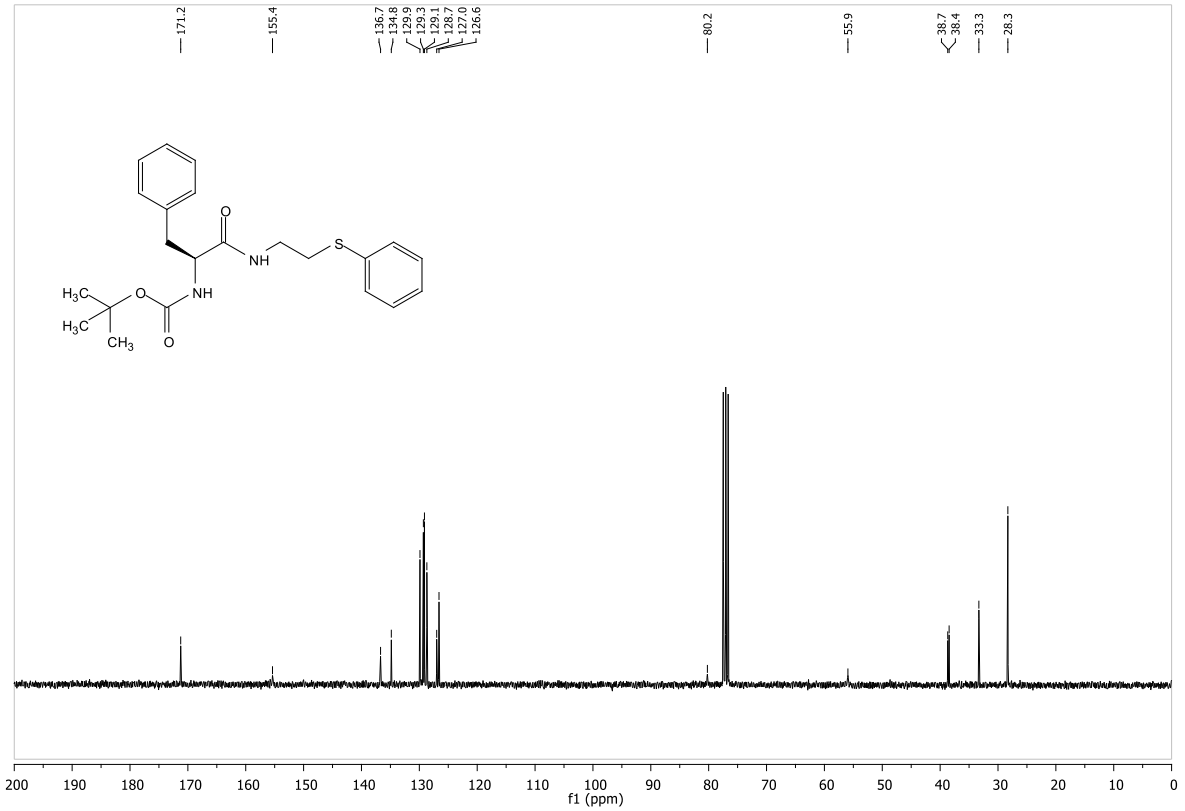
tert-butyl (2-oxo-2-((2-(phenylthio)ethyl)amino)ethyl)carbamate (5k)



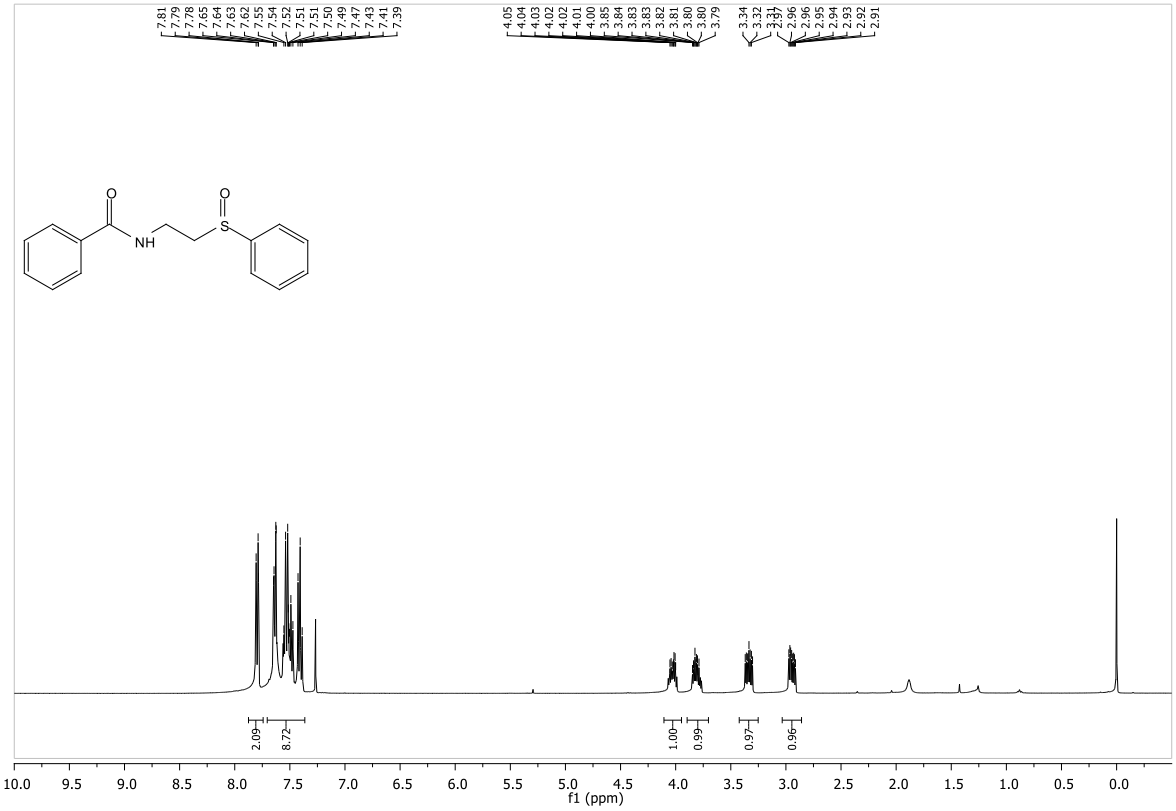


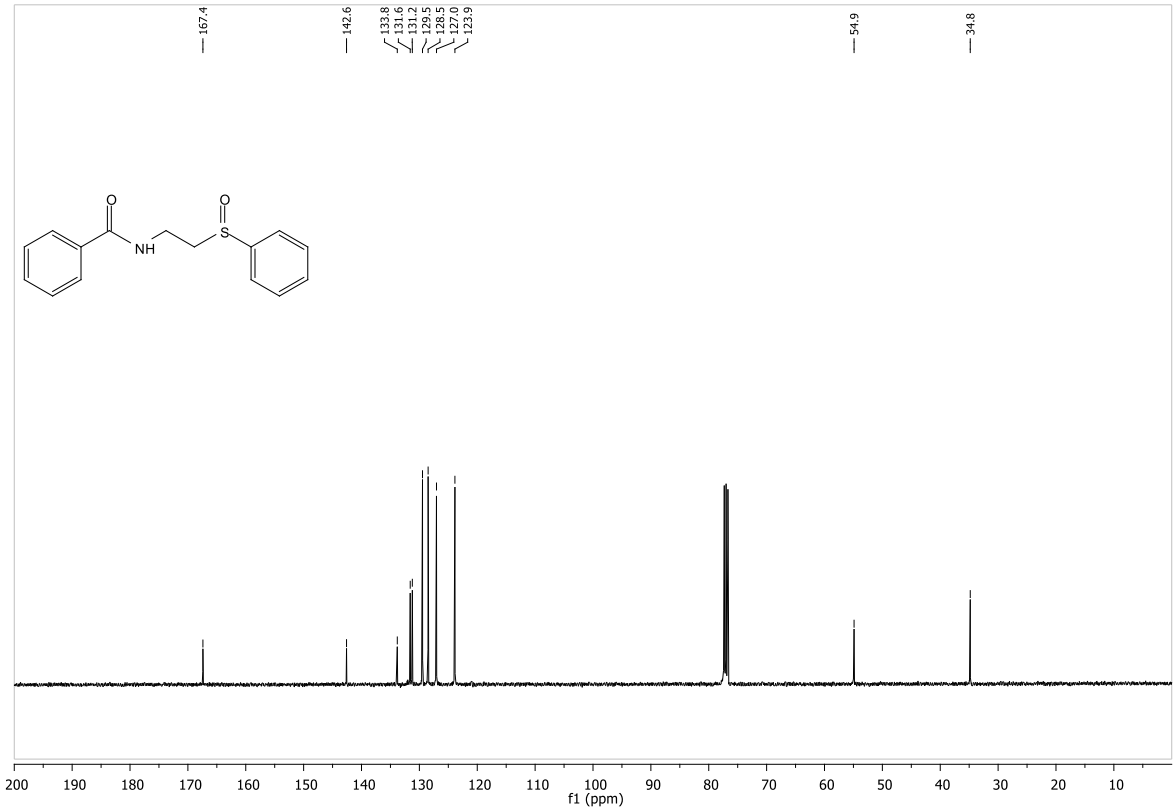
tert-butyl (S)-(1-oxo-3-phenyl-1-((2-(phenylthio)ethyl)amino)propan-2-yl)carbamate (5l)



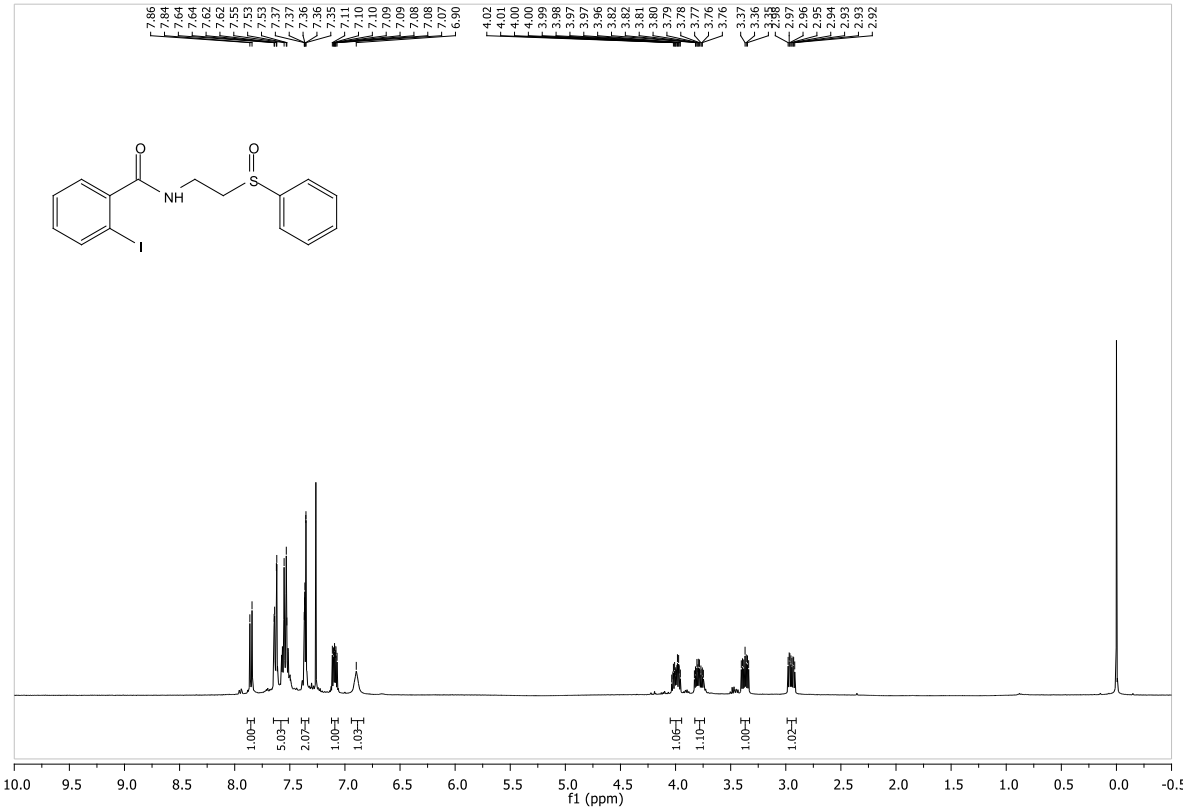


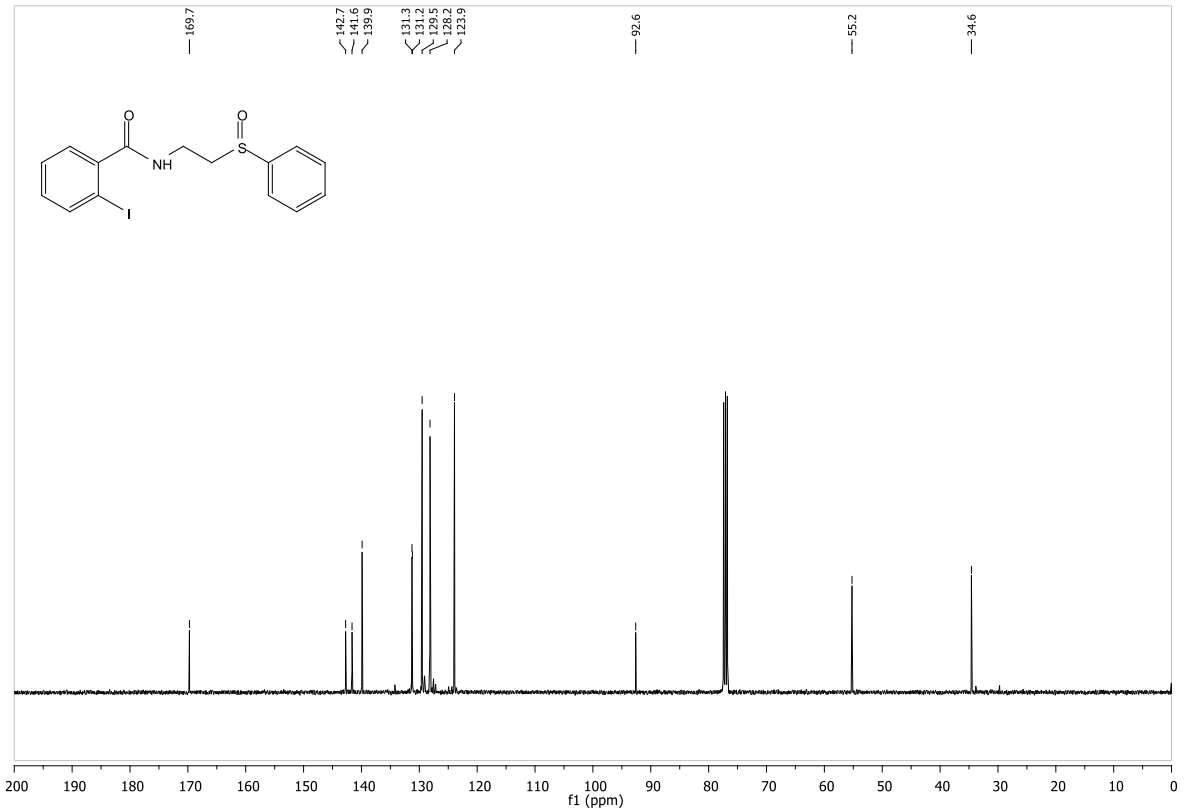
N-(2-(phenylsulfinyl)ethyl)benzamide (1a)



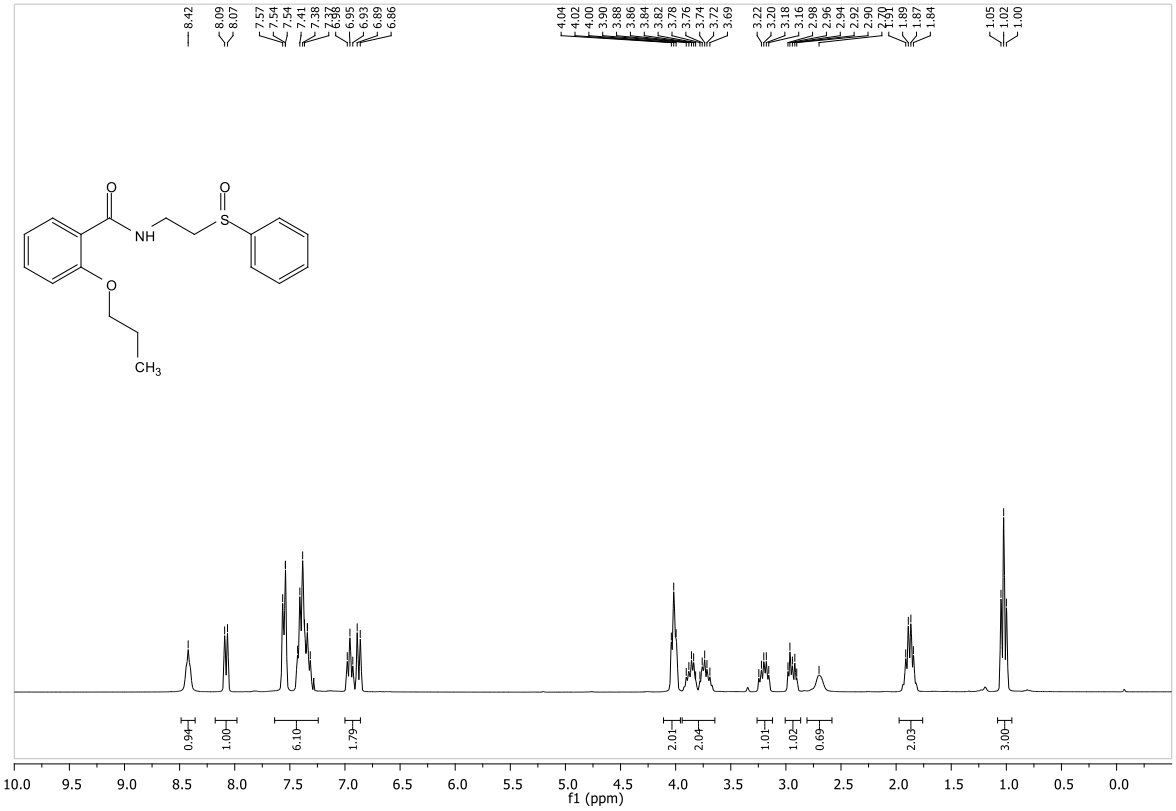


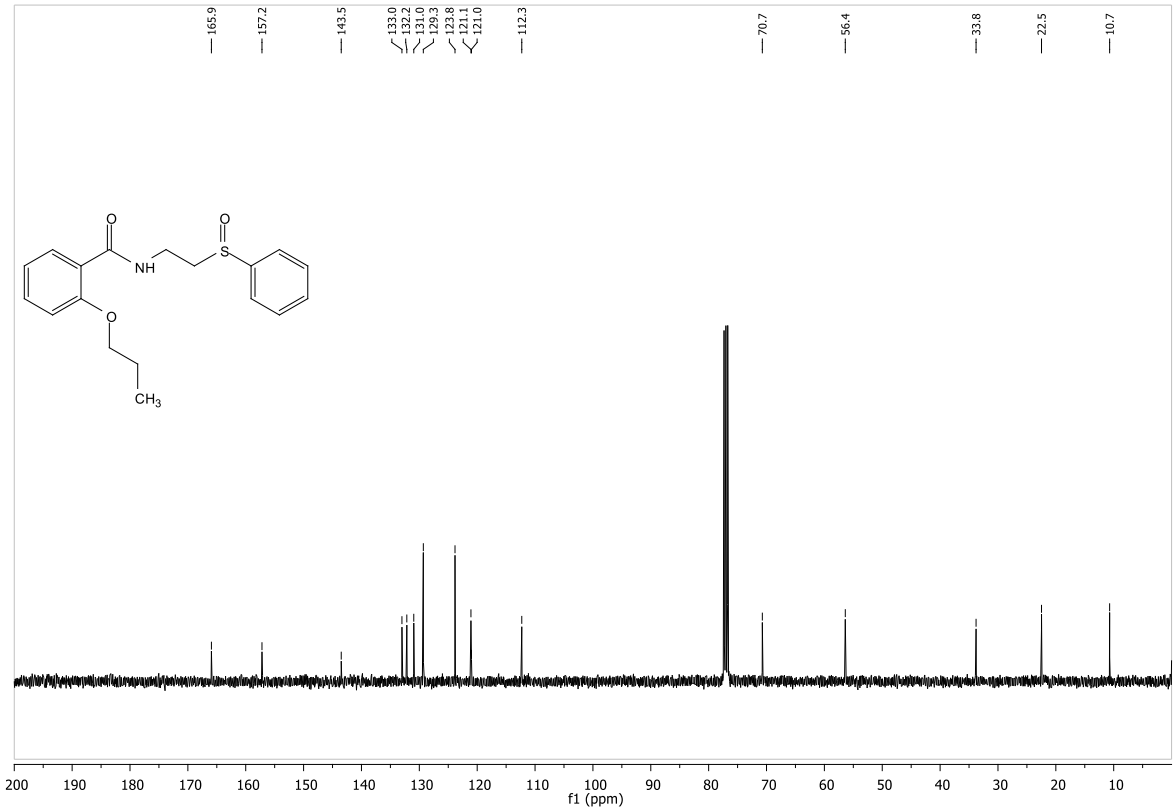
2-iodo-*N*-(2-(phenylsulfinyl)ethyl)benzamide (1b)



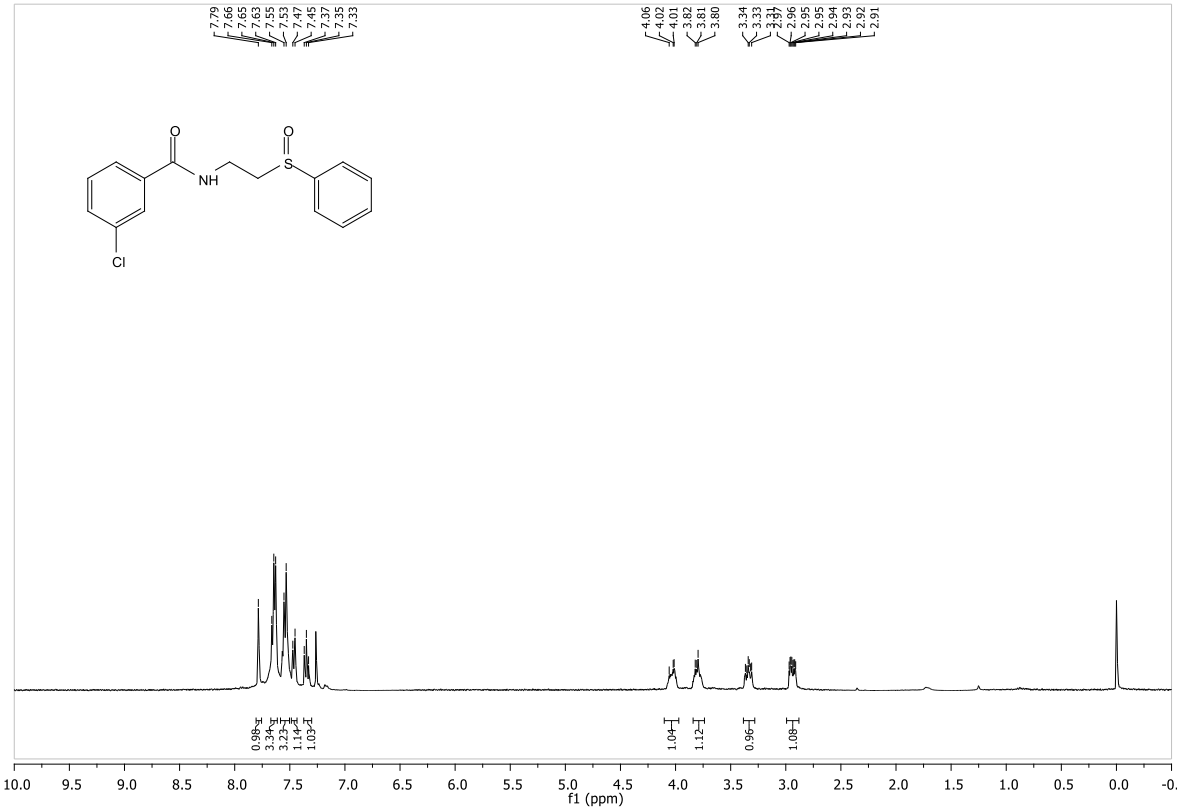


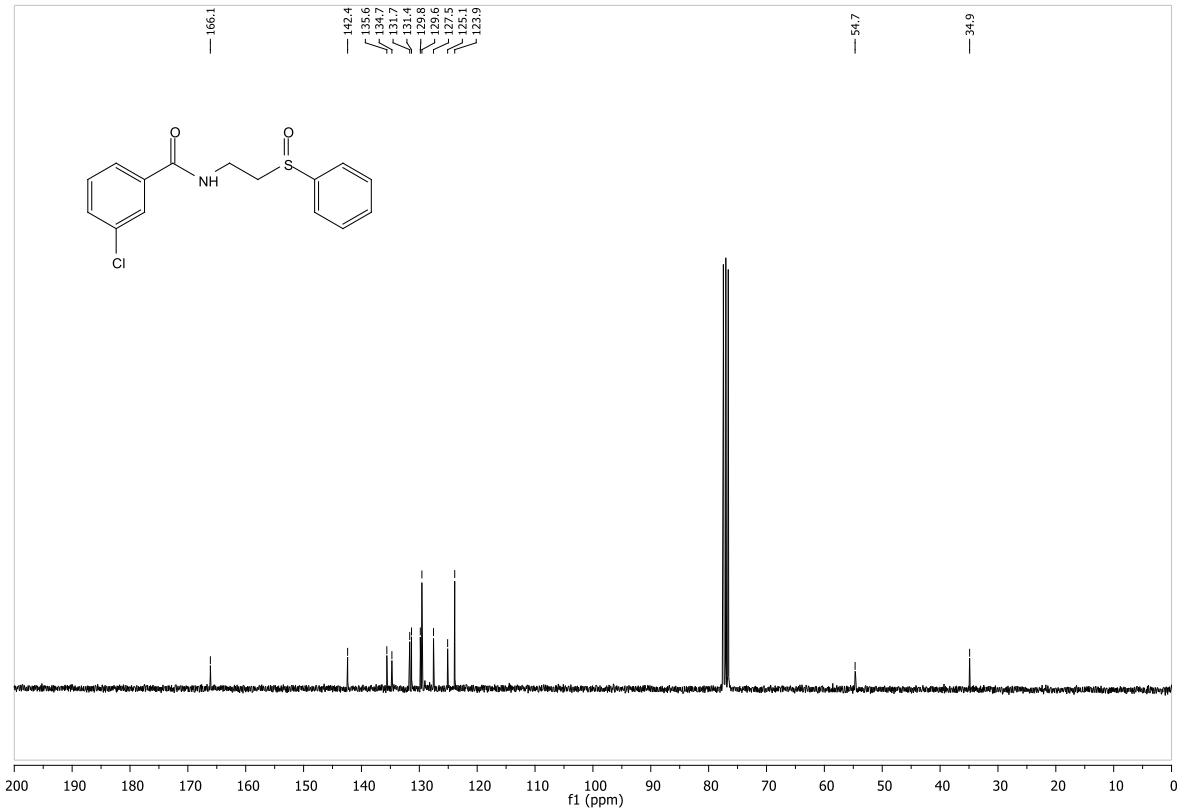
N-(2-(phenylsulfinyl)ethyl)-2-propoxybenzamide (1c)



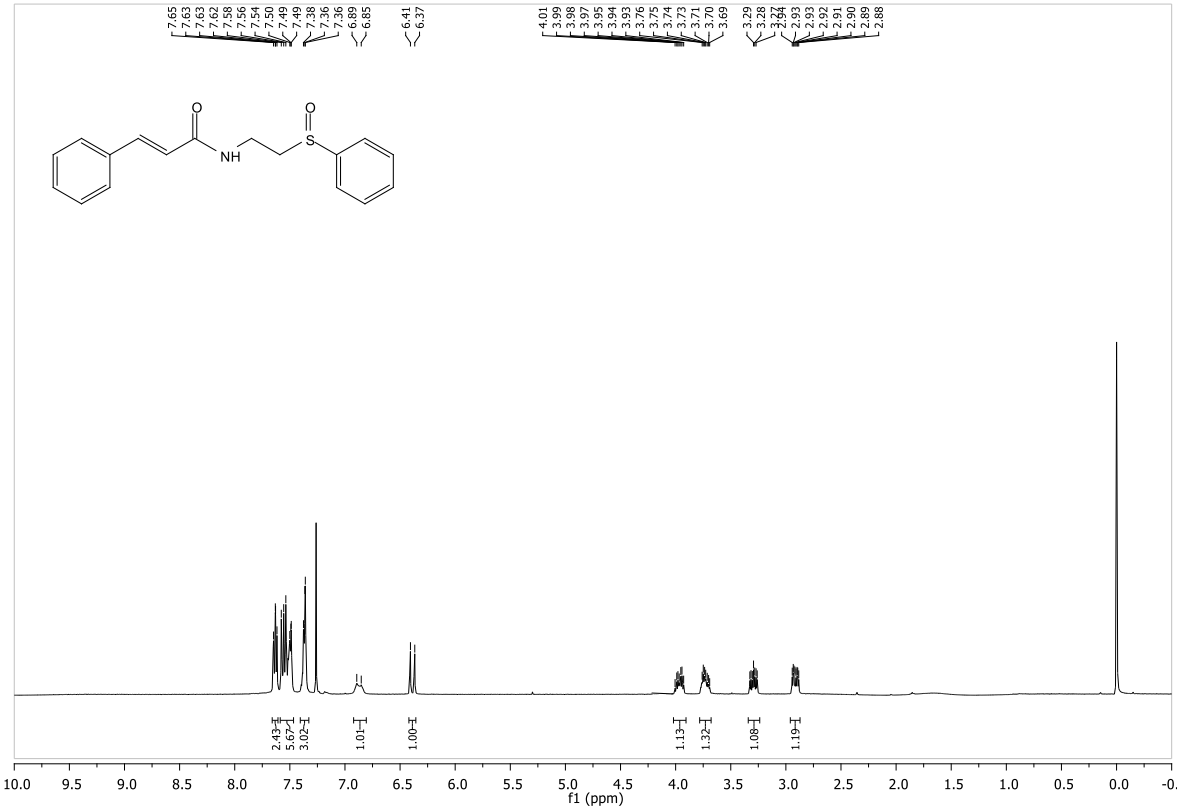


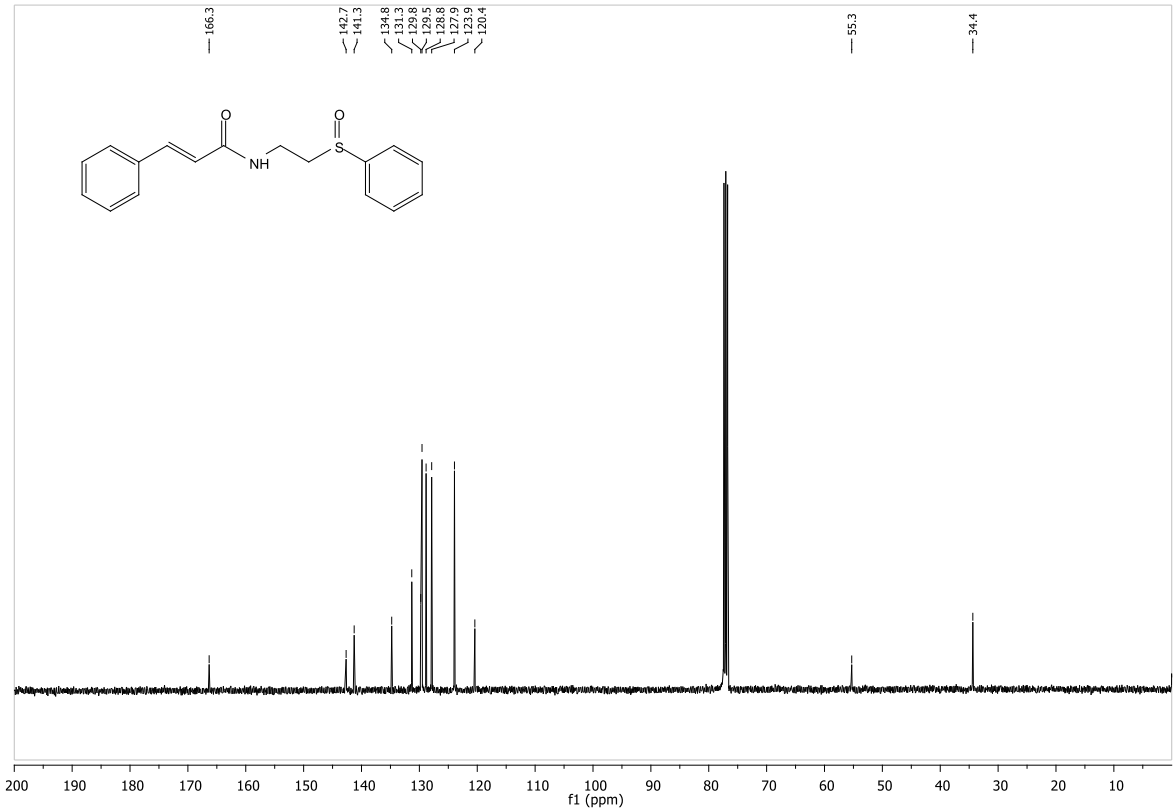
3-chloro-*N*-(2-(phenylsulfinyl)ethyl)benzamide (1d)



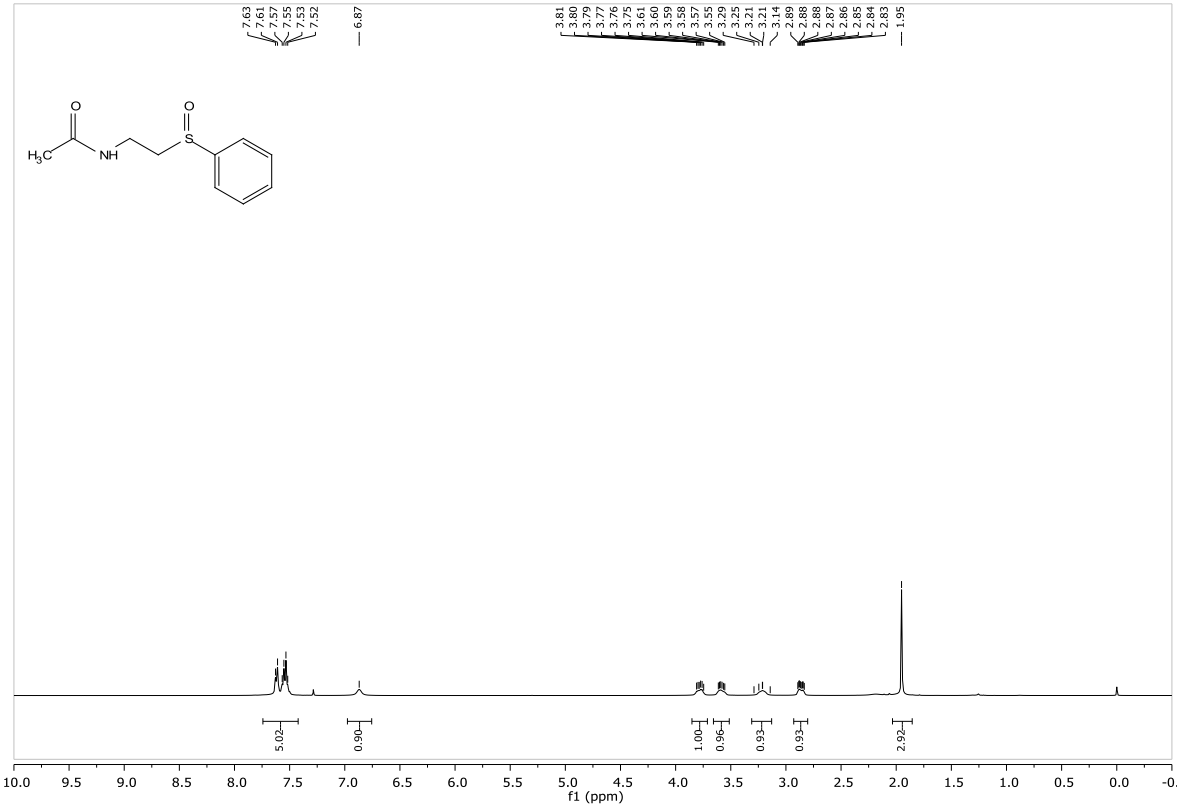


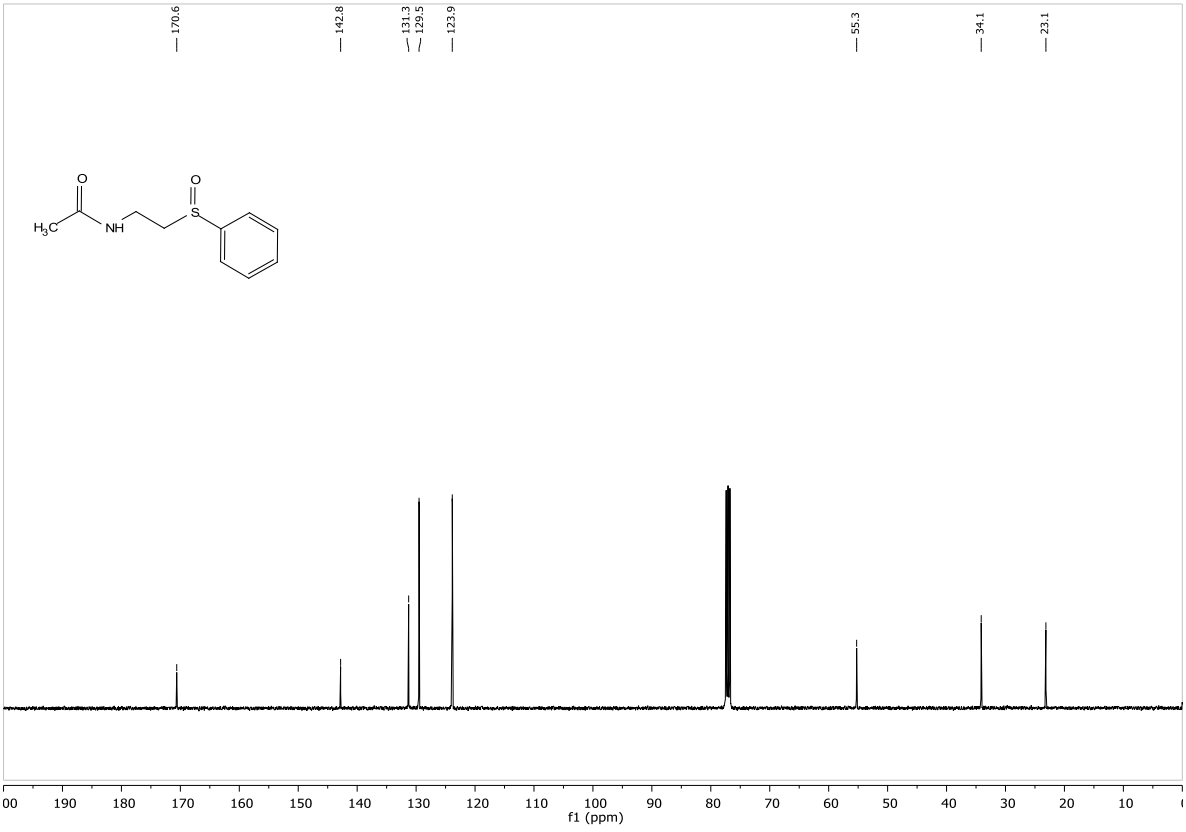
N-(2-(phenylsulfinyl)ethyl)cinnamamide (1e)



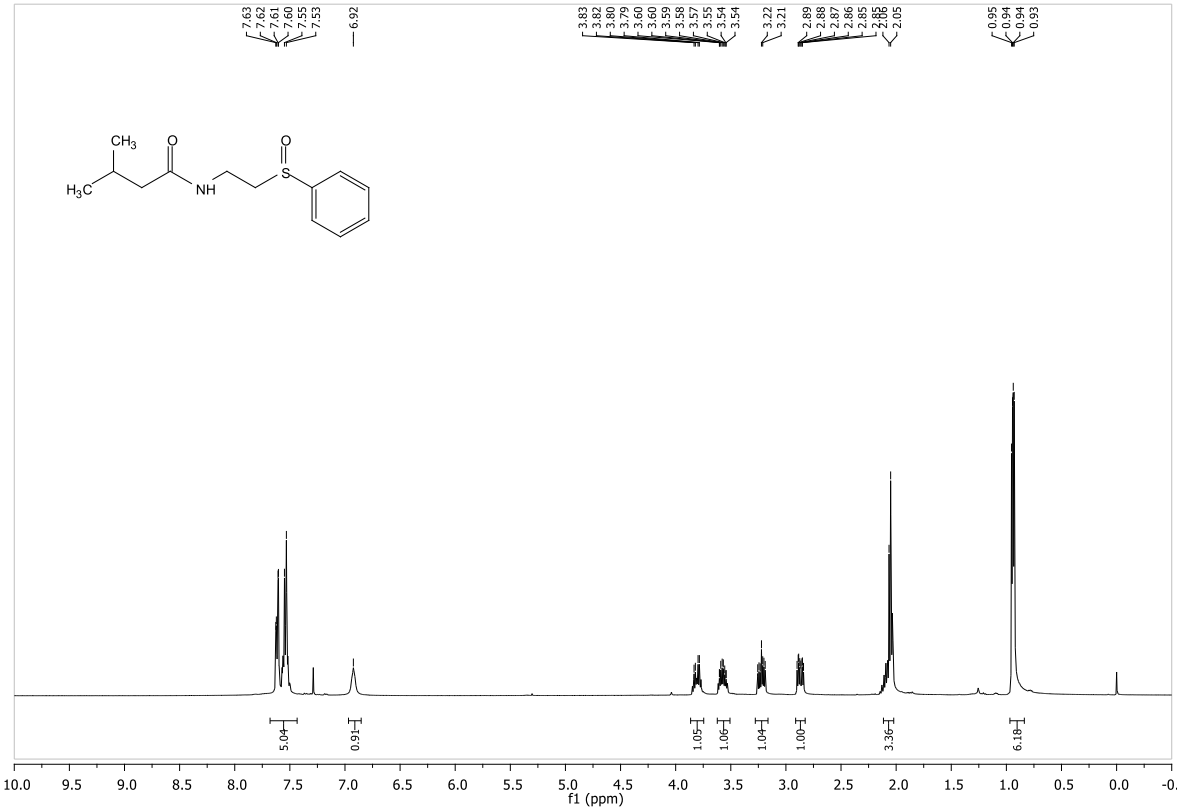


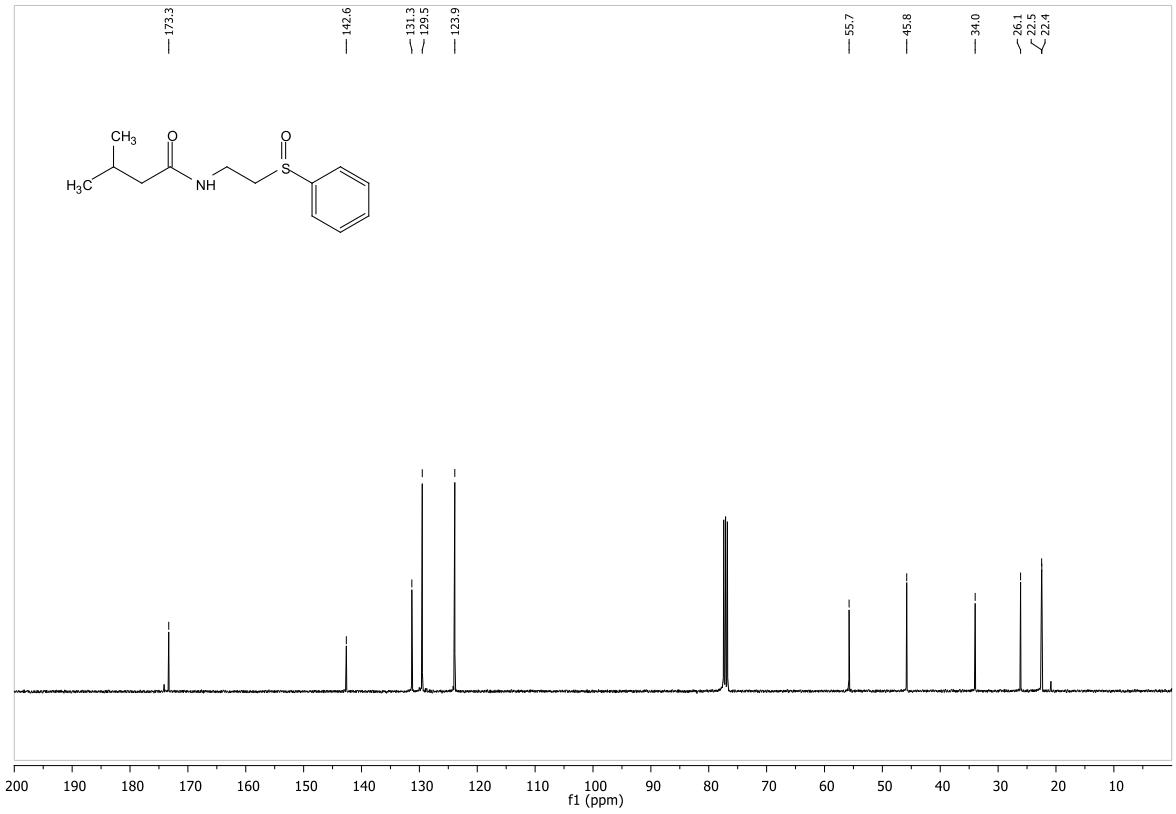
N-(2-(phenylsulfinyl)ethyl)acetamide (1f)



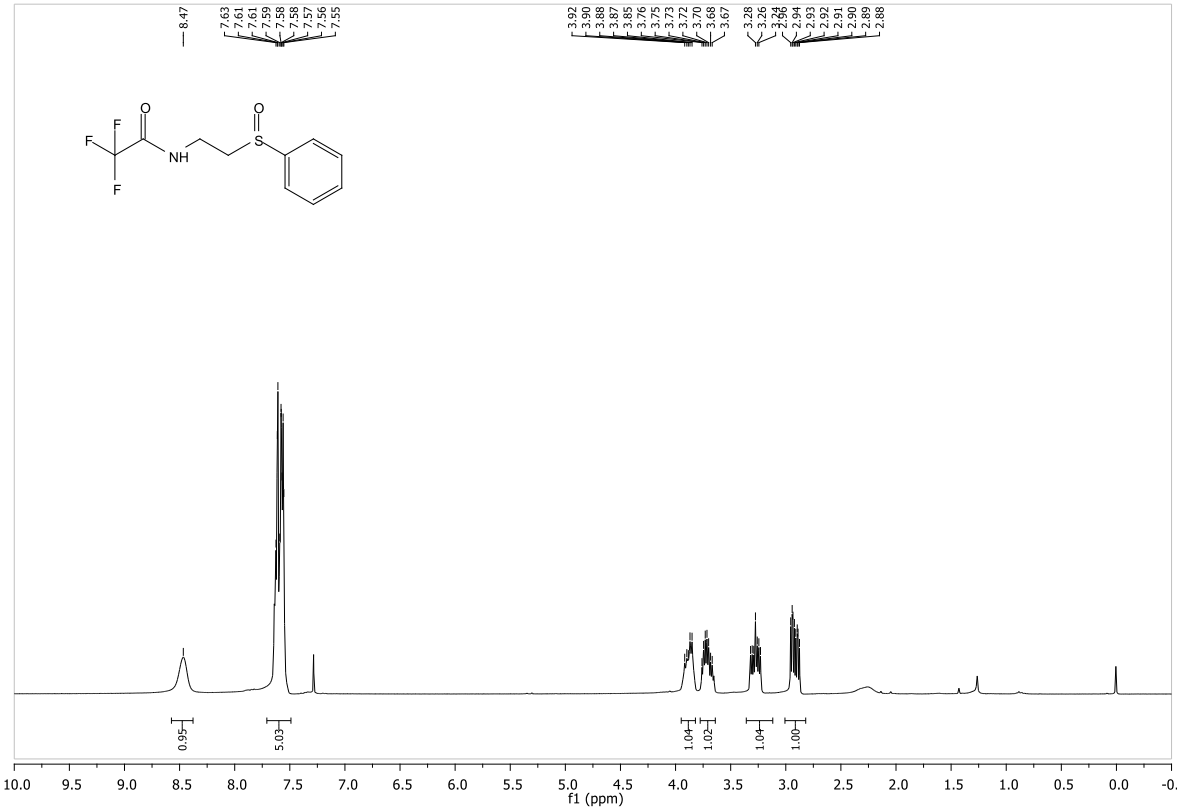


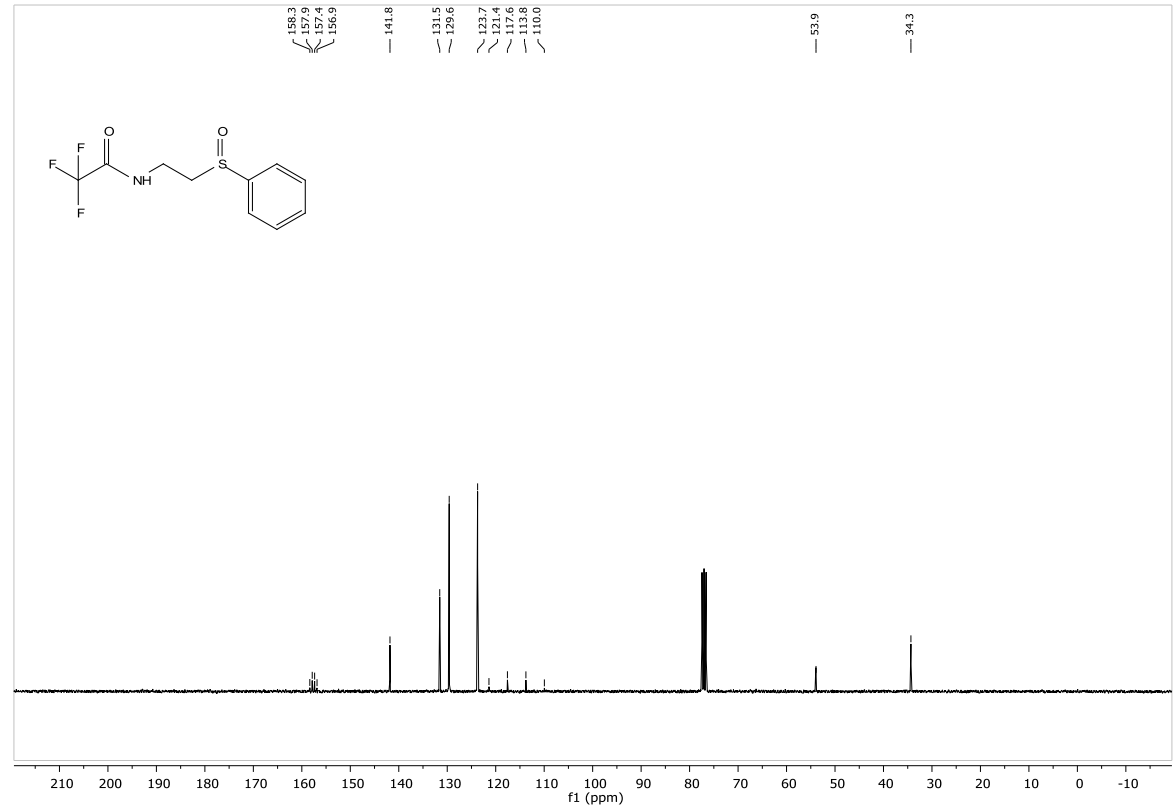
3-methyl-*N*-(2-(phenylsulfinyl)ethyl)butanamide (1g)



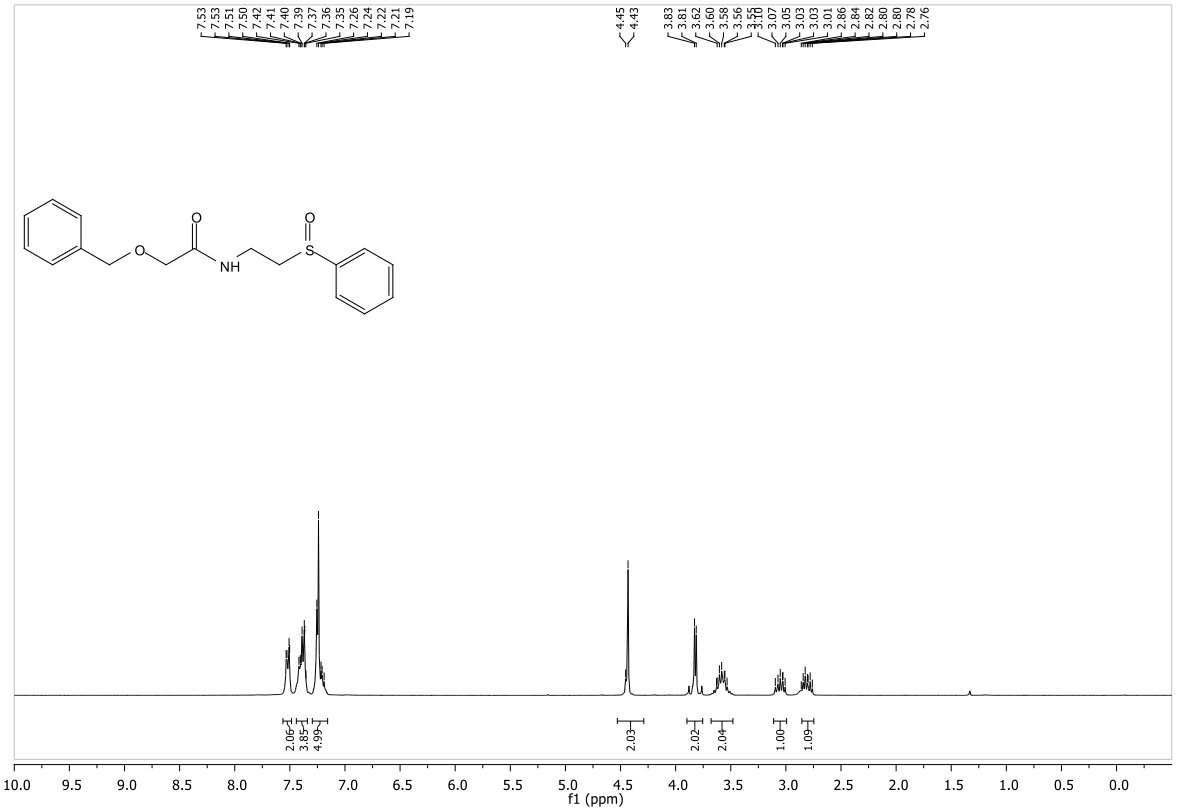


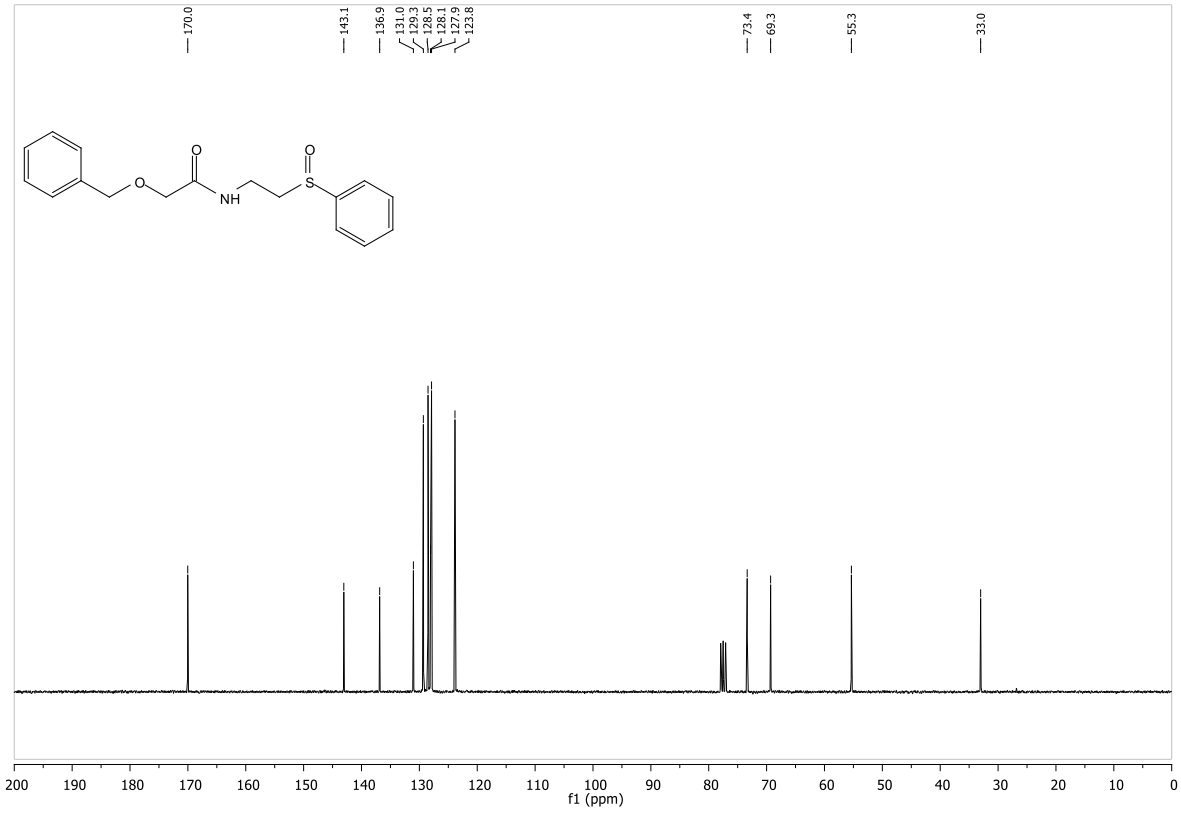
2,2,2-trifluoro-*N*-(2-(phenylsulfinyl)ethyl)acetamide (1h)



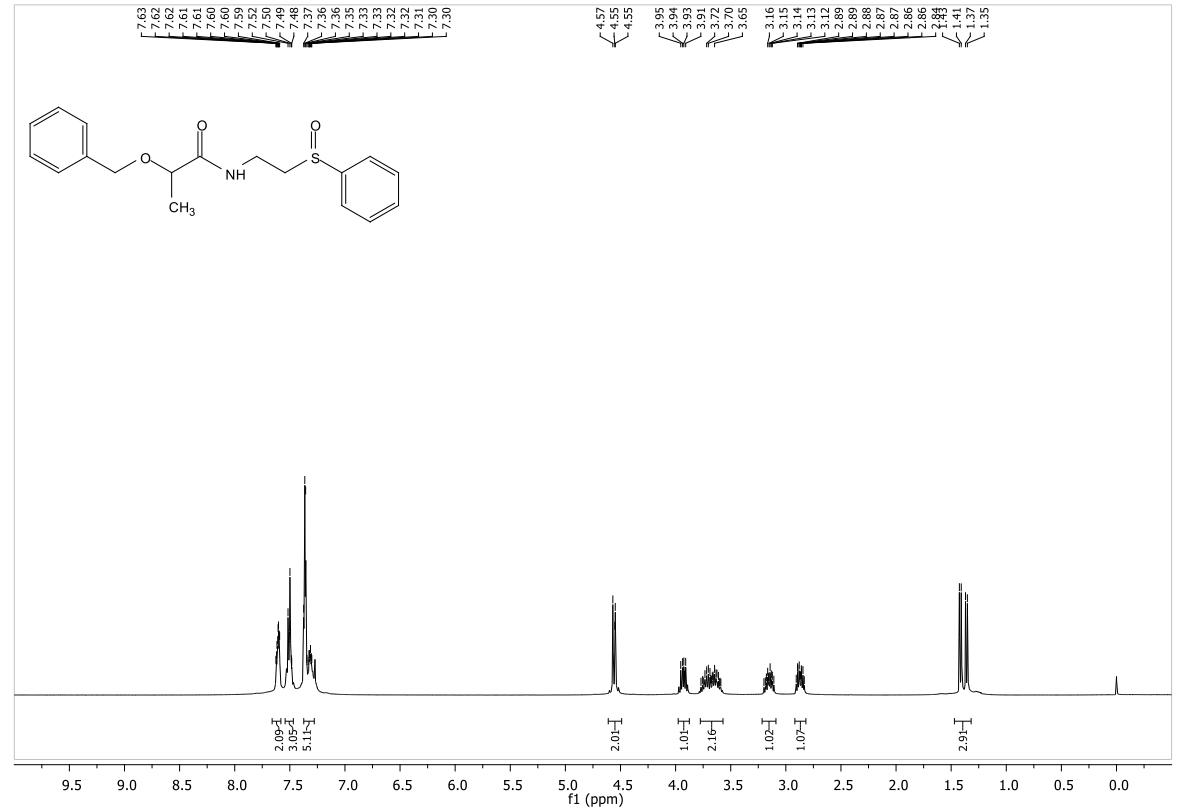


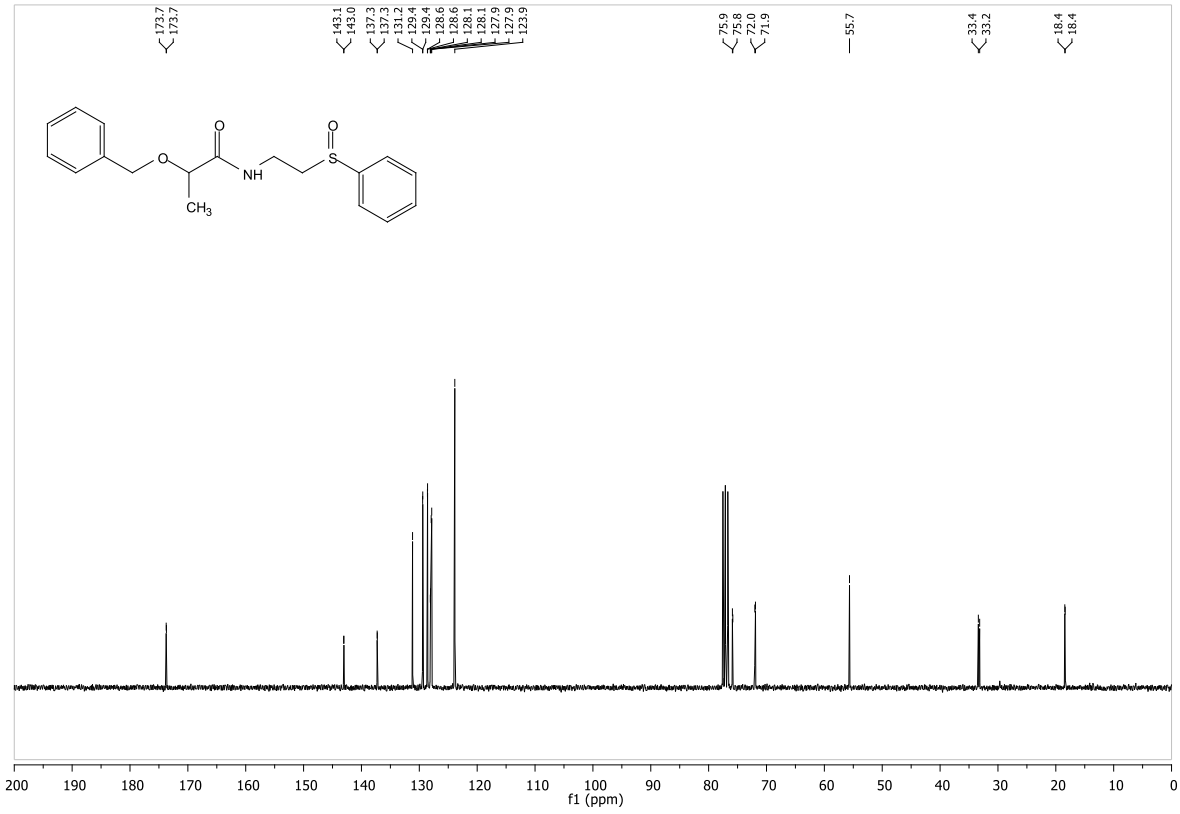
2-(benzyloxy)-*N*-(2-(phenylsulfinyl)ethyl)acetamide (1i)



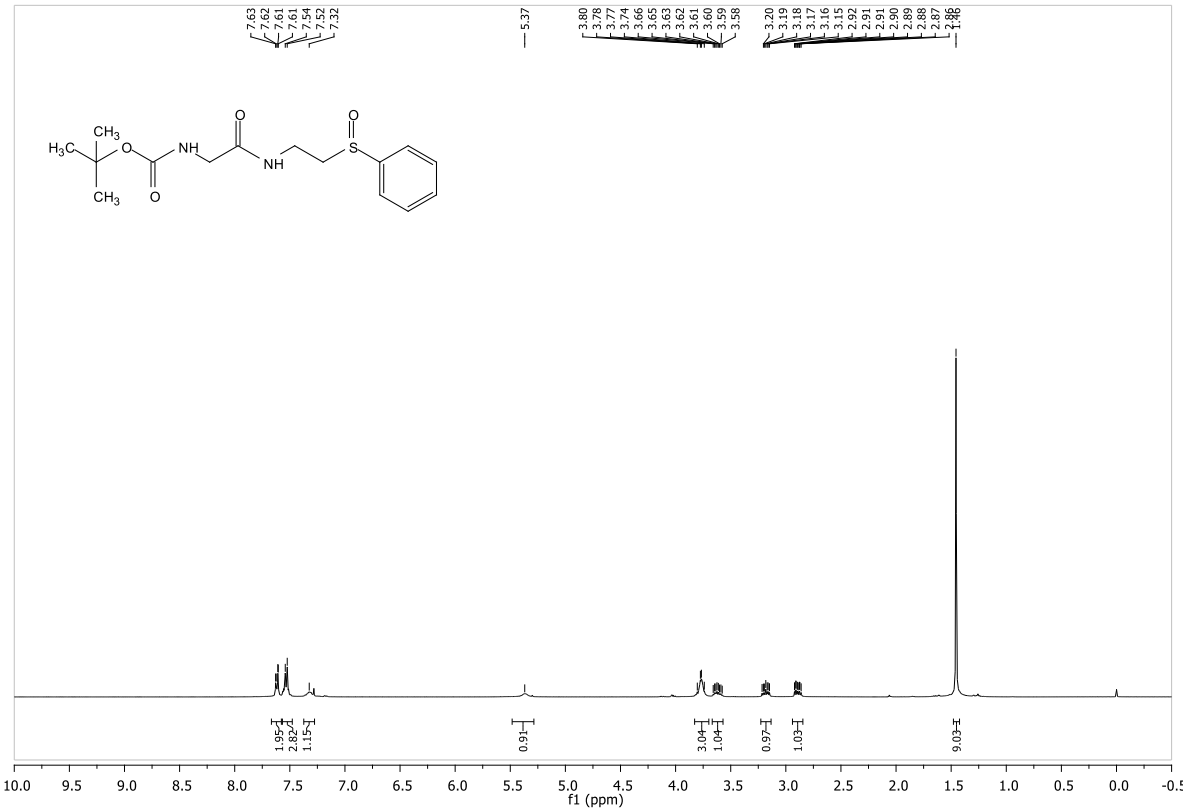


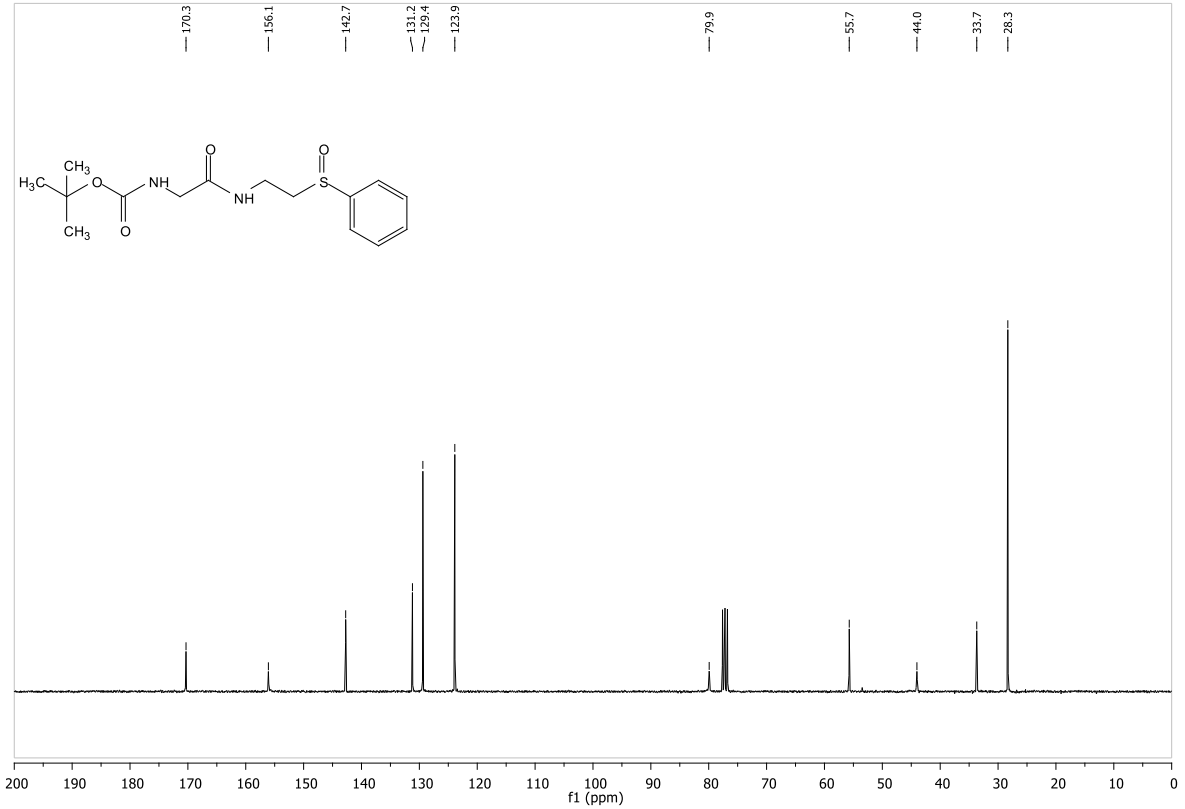
2-(benzyloxy)-*N*-(2-(phenylsulfinyl)ethyl)propanamide (1j)



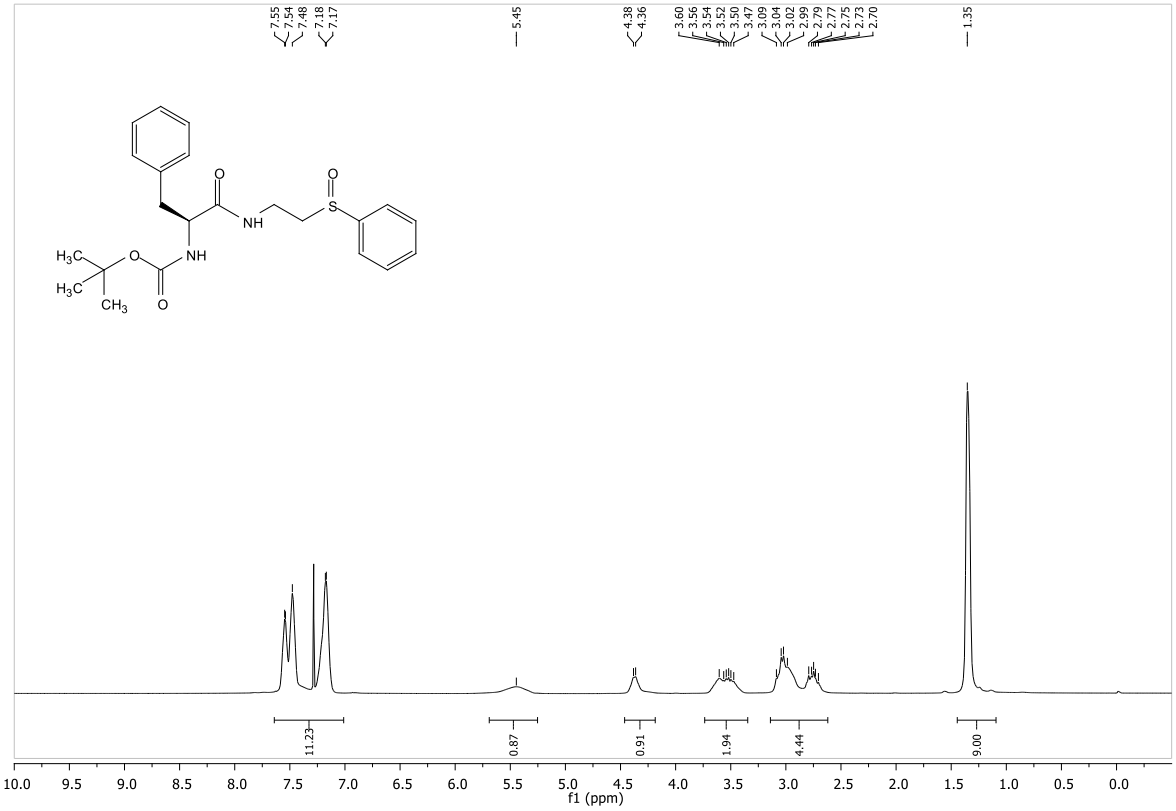


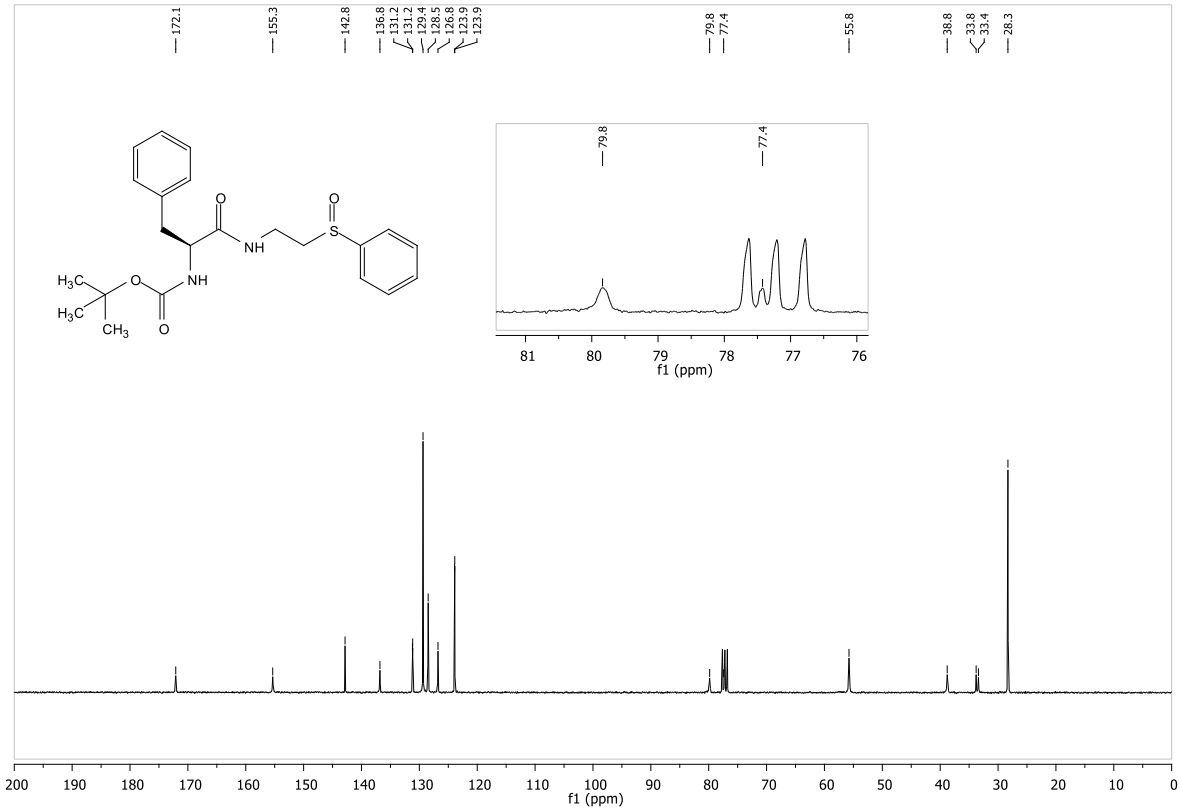
tert-butyl (2-oxo-2-((2-(phenylsulfinyl)ethyl)amino)ethyl)carbamate (1k)



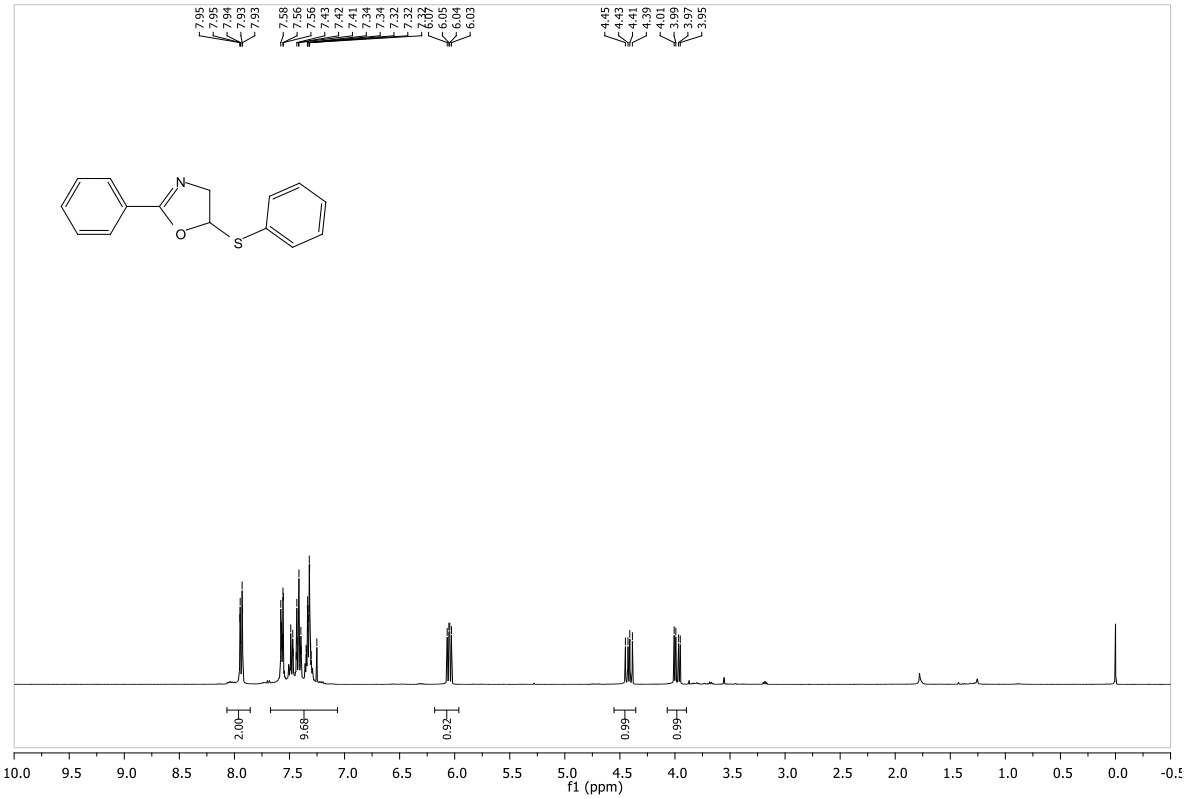


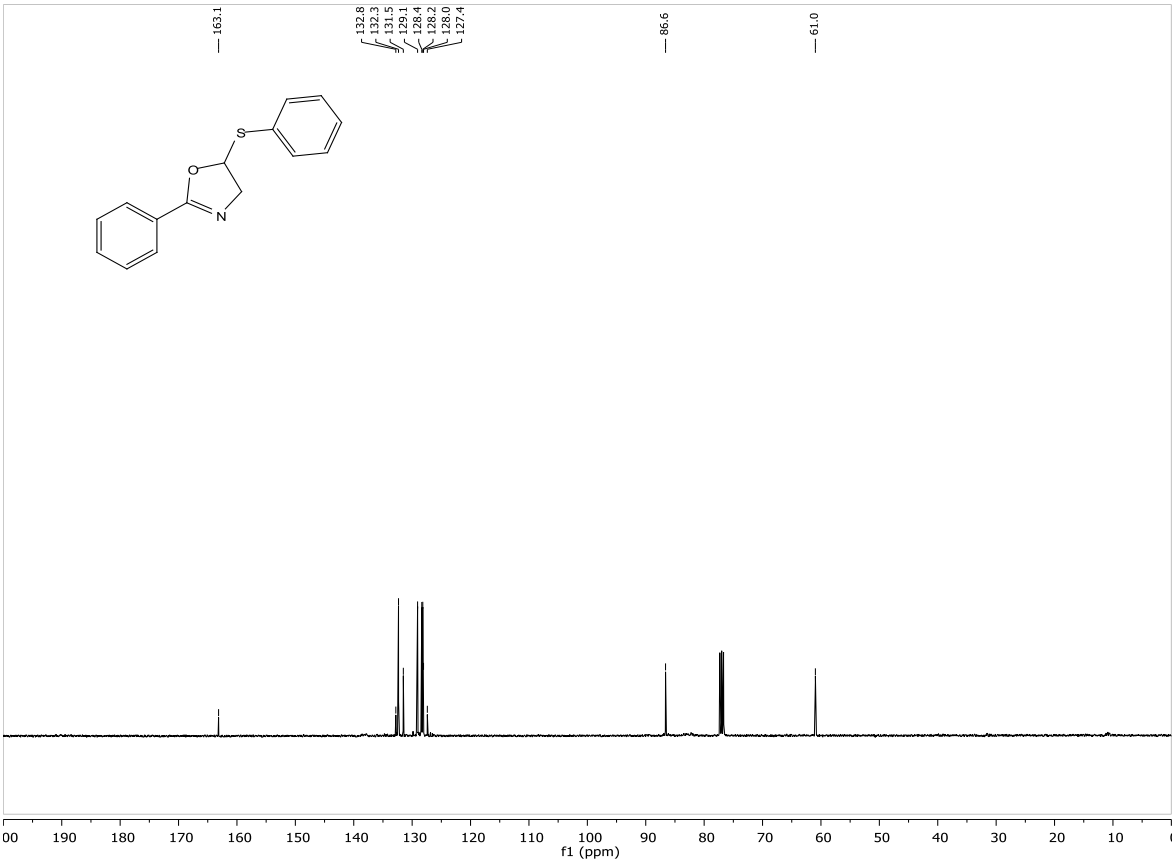
tert-butyl ((2S)-1-oxo-3-phenyl-1-((2-(phenylsulfinyl)ethyl)amino)propan-2-yl)carbamate (1l)



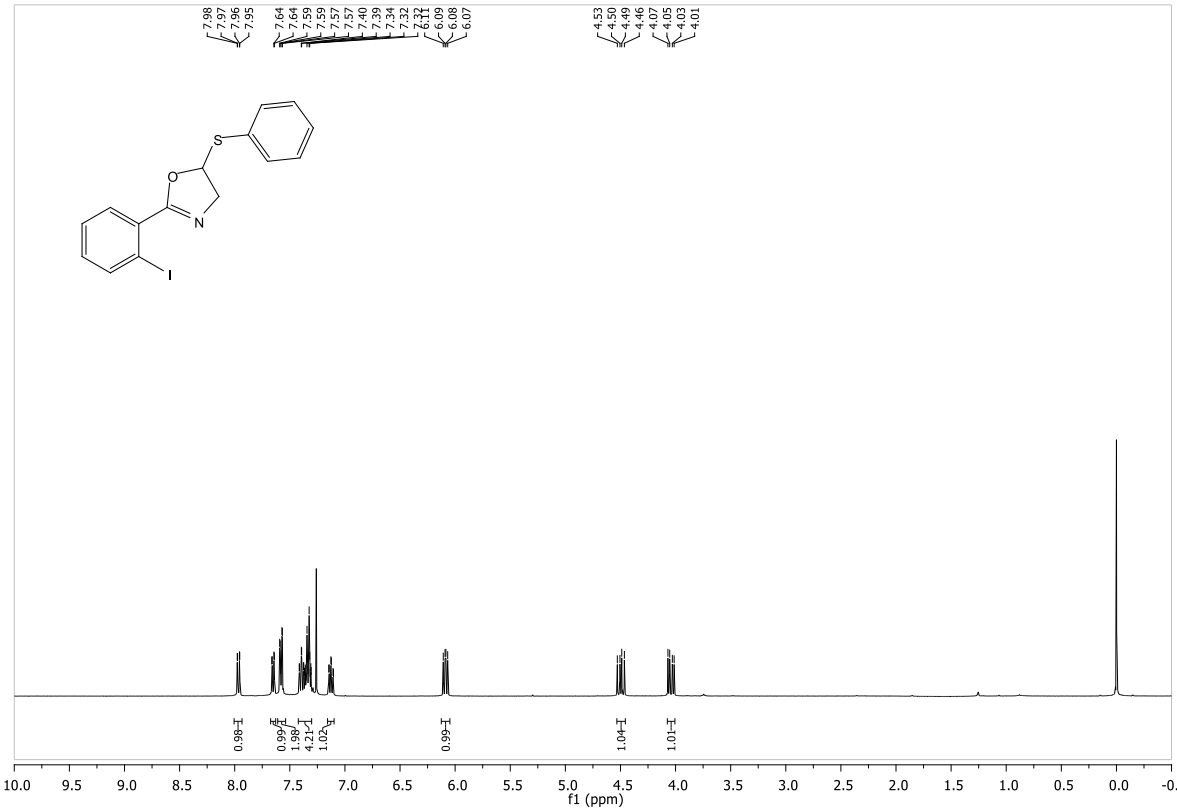


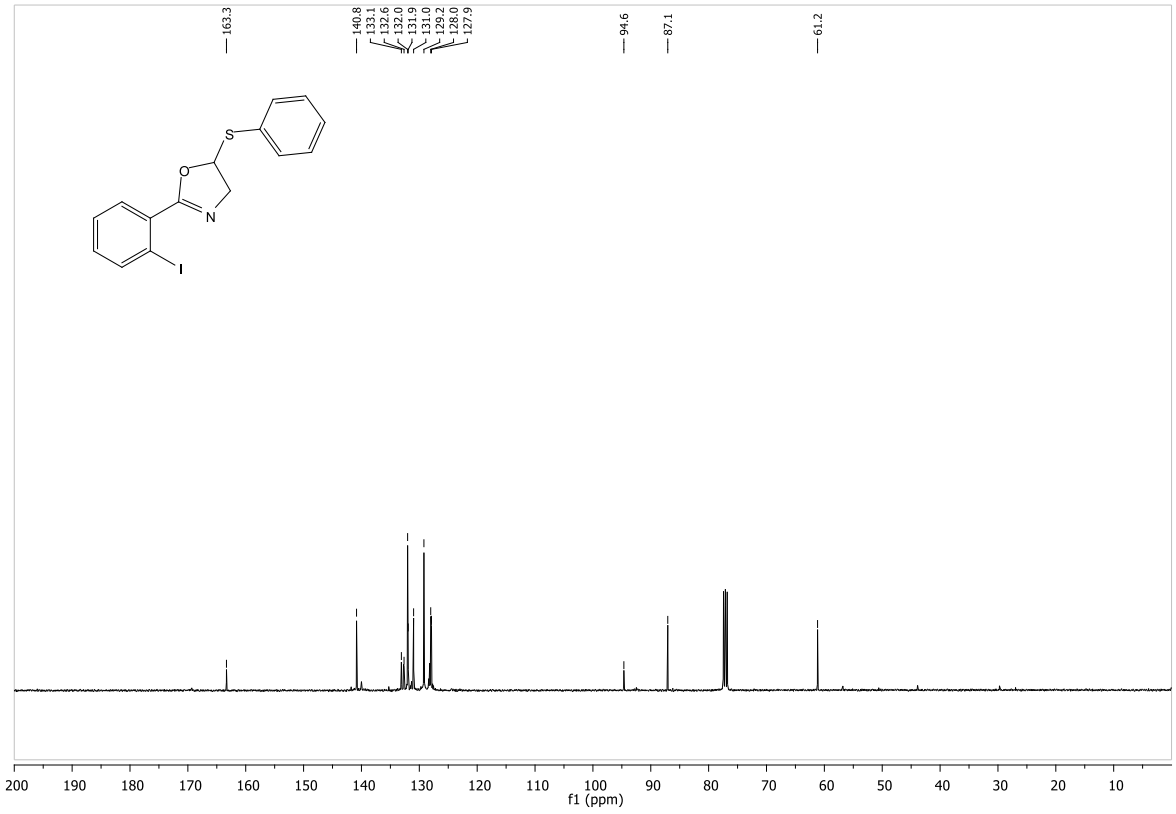
2-phenyl-5-(phenylthio)-4,5-dihydrooxazole (4a)



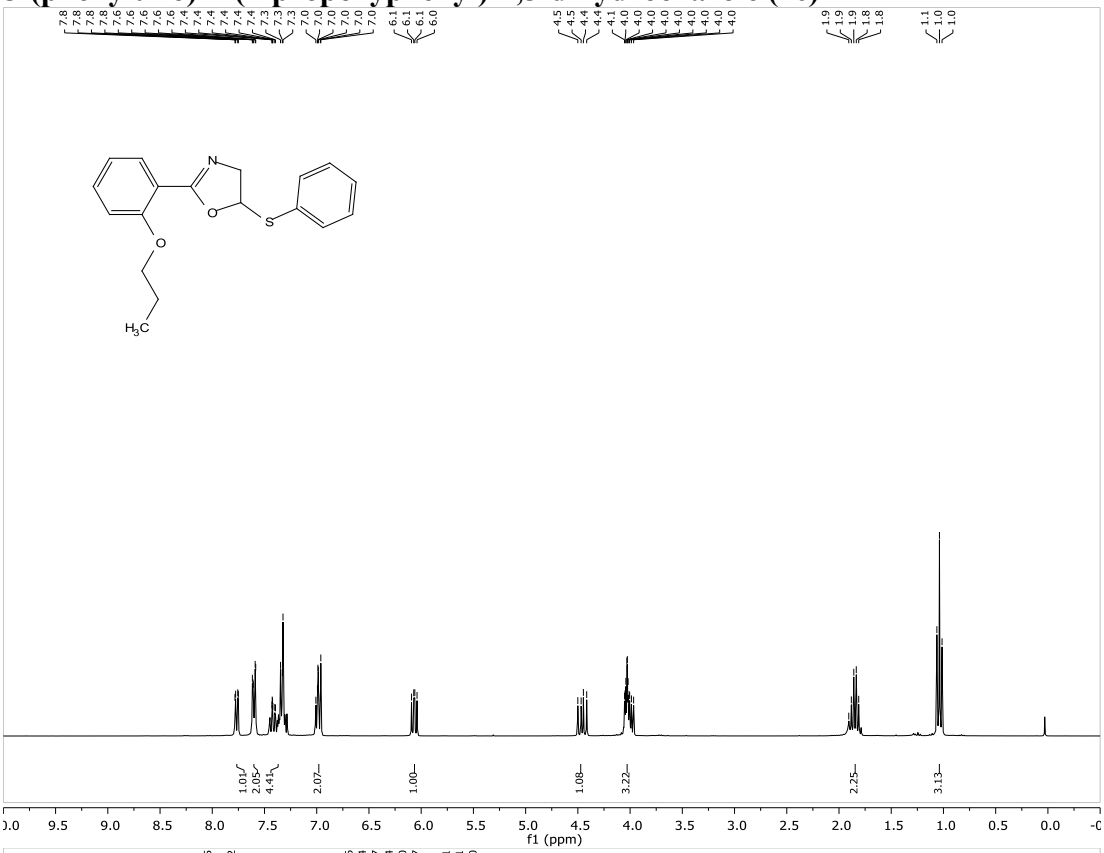


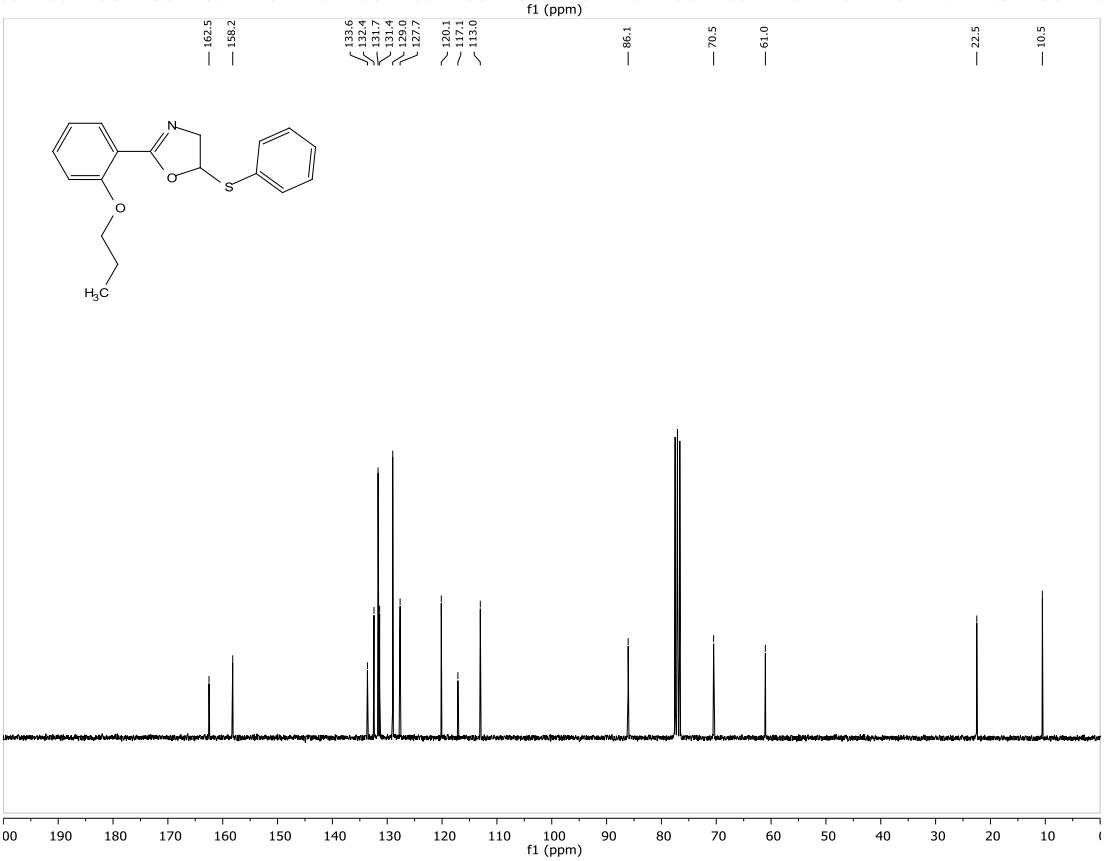
2-(2-iodophenyl)-5-(phenylthio)-4,5-dihydrooxazole (4b)



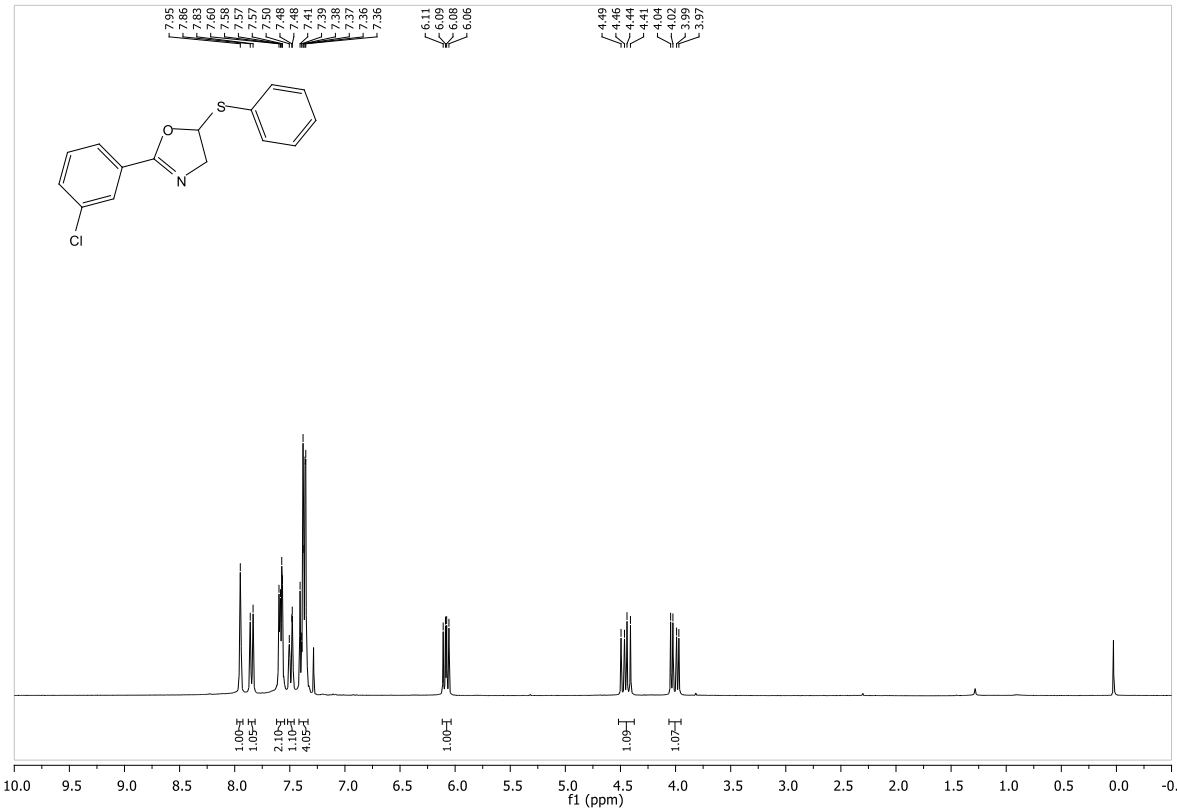


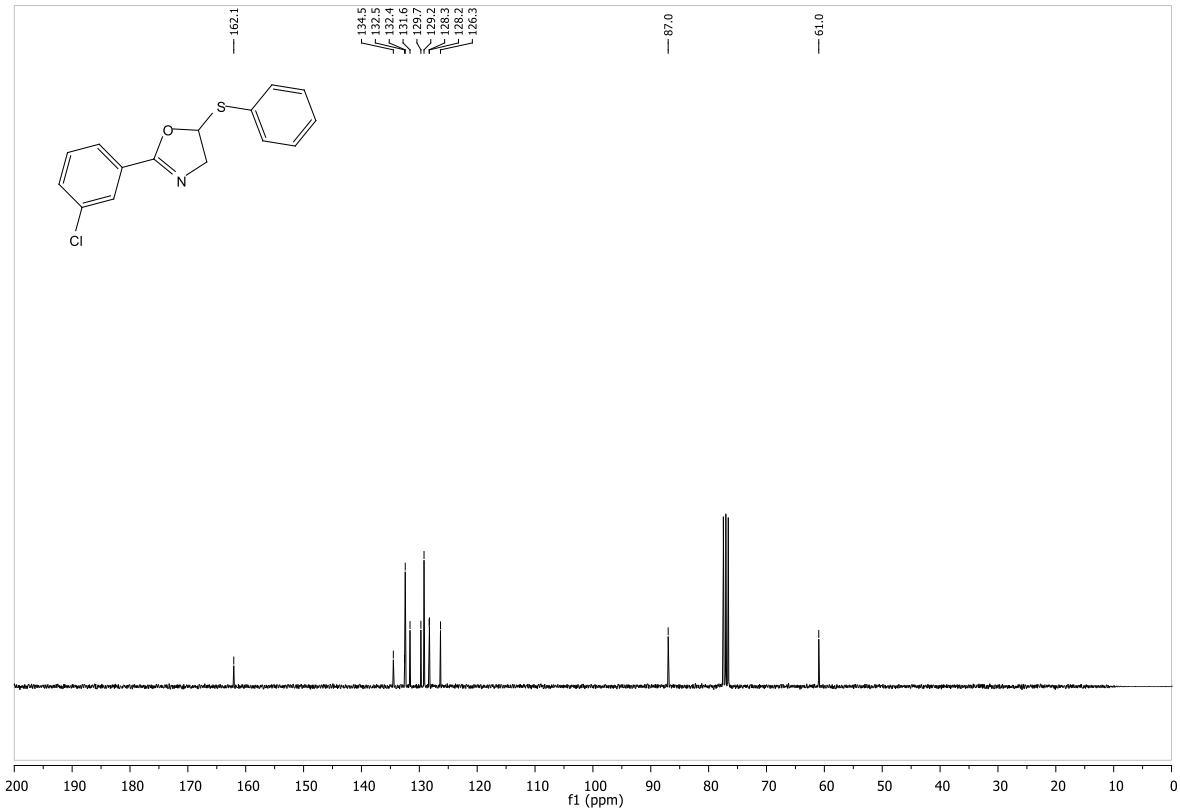
5-(phenylthio)-2-(2-propoxyphenyl)-4,5-dihydrooxazole (4c)



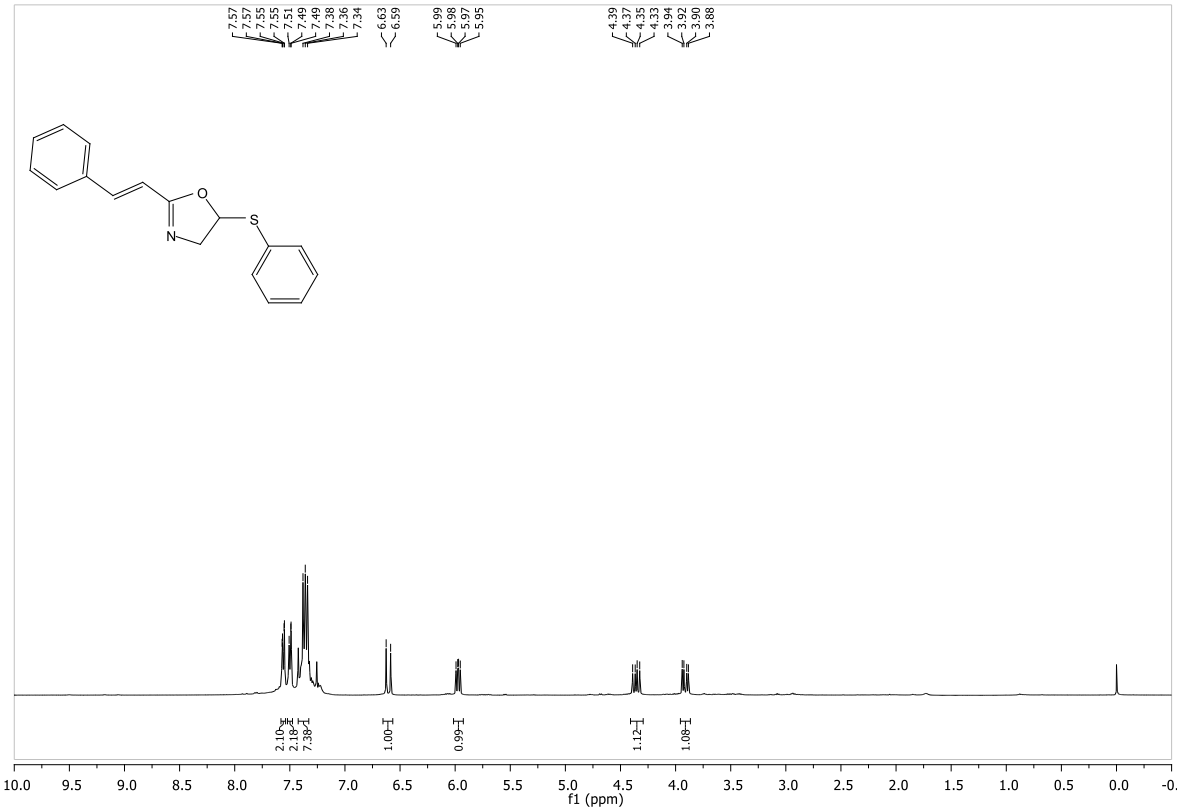


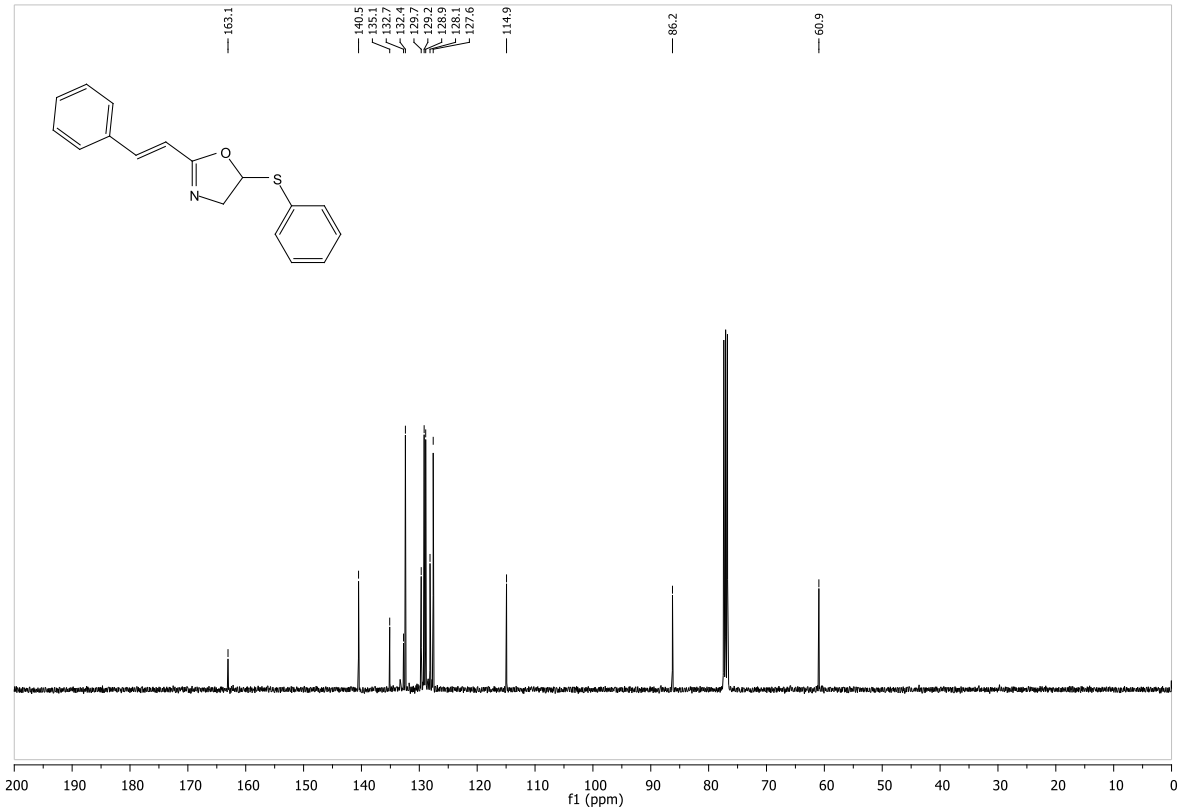
2-(3-chlorophenyl)-5-(phenylthio)-4,5-dihydrooxazole (4d)



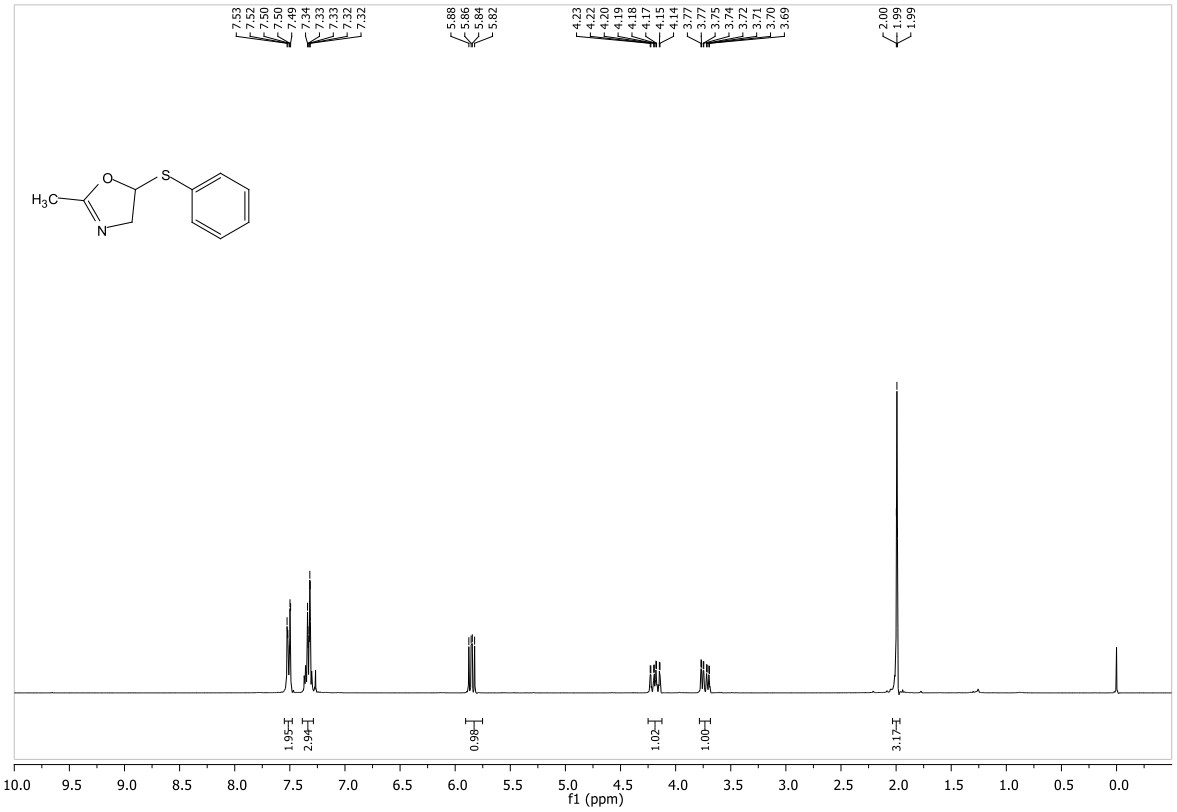


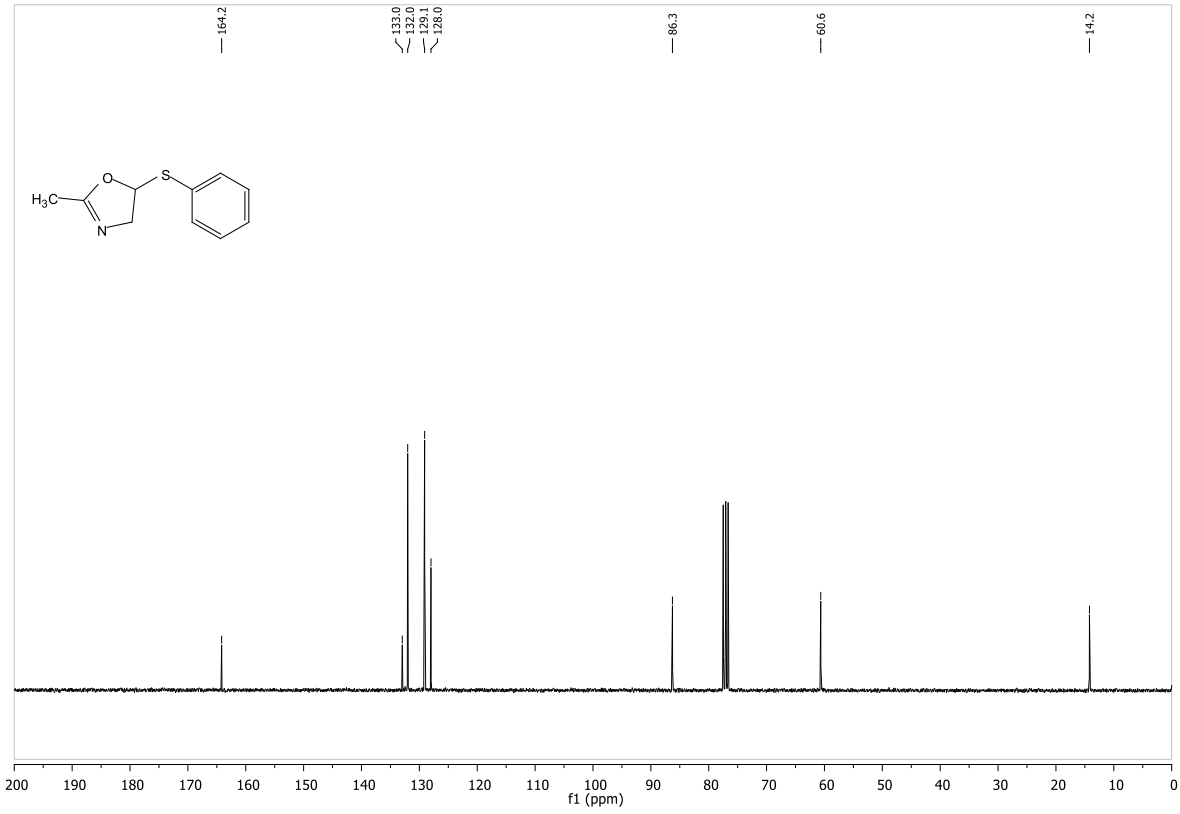
(E)-5-(phenylthio)-2-styryl-4,5-dihydrooxazole (4e)



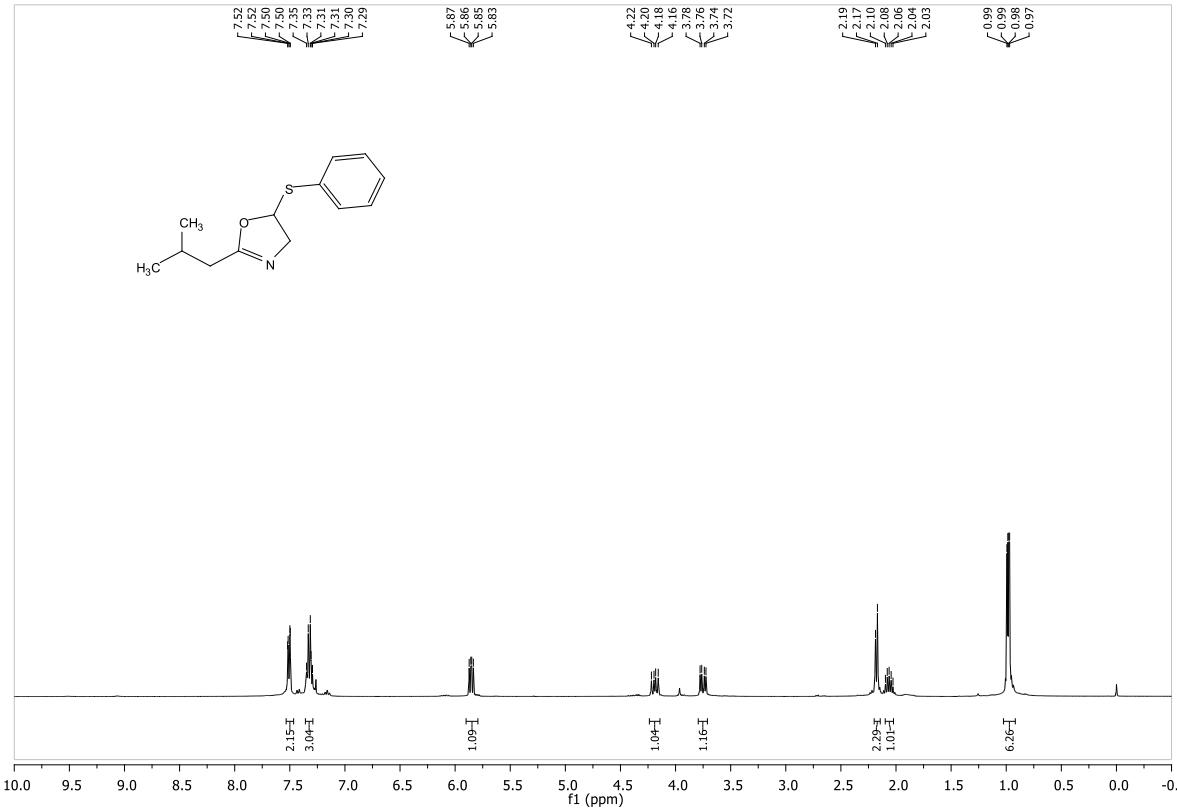


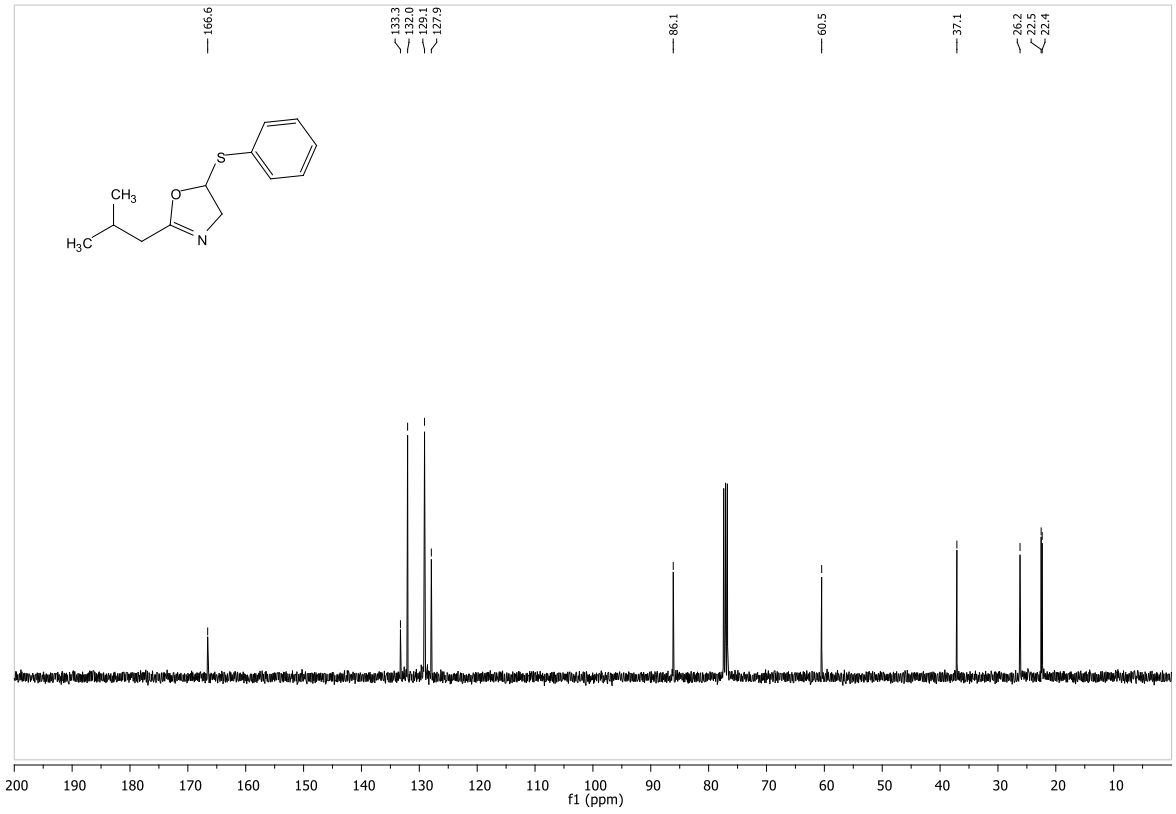
2-methyl-5-(phenylthio)-4,5-dihydrooxazole (4f)



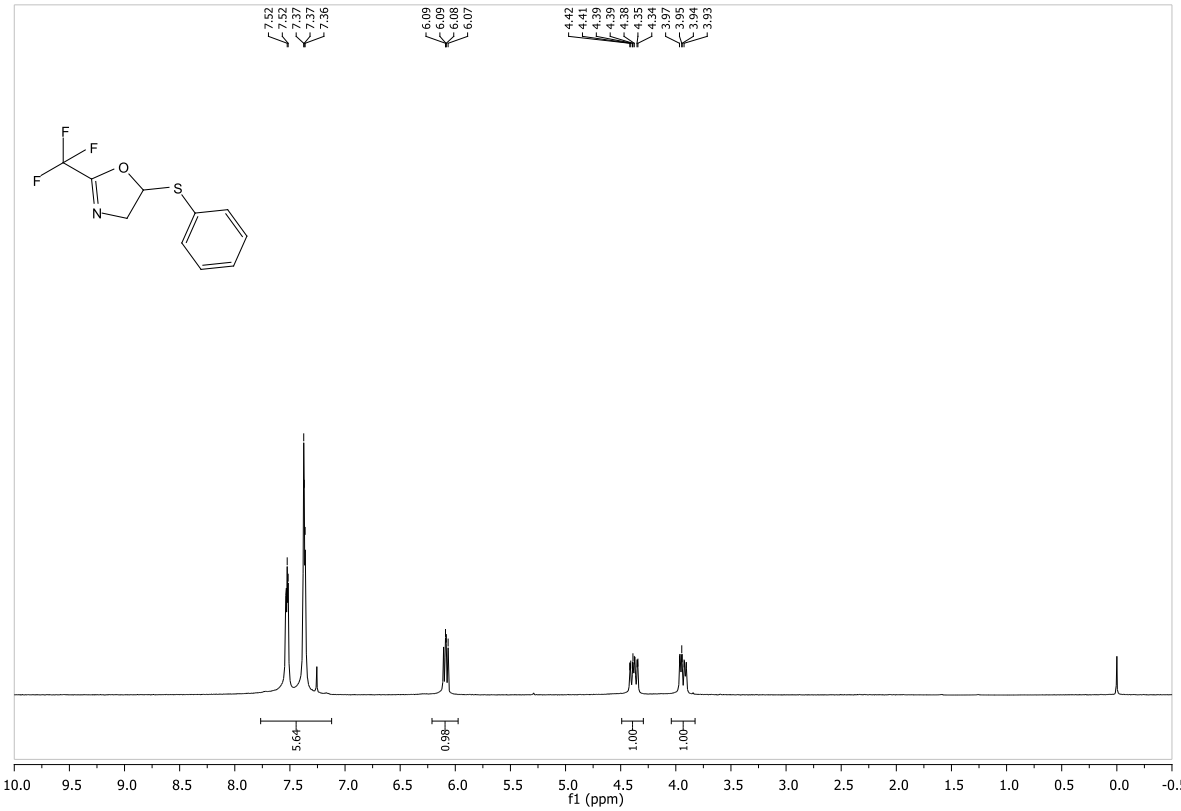


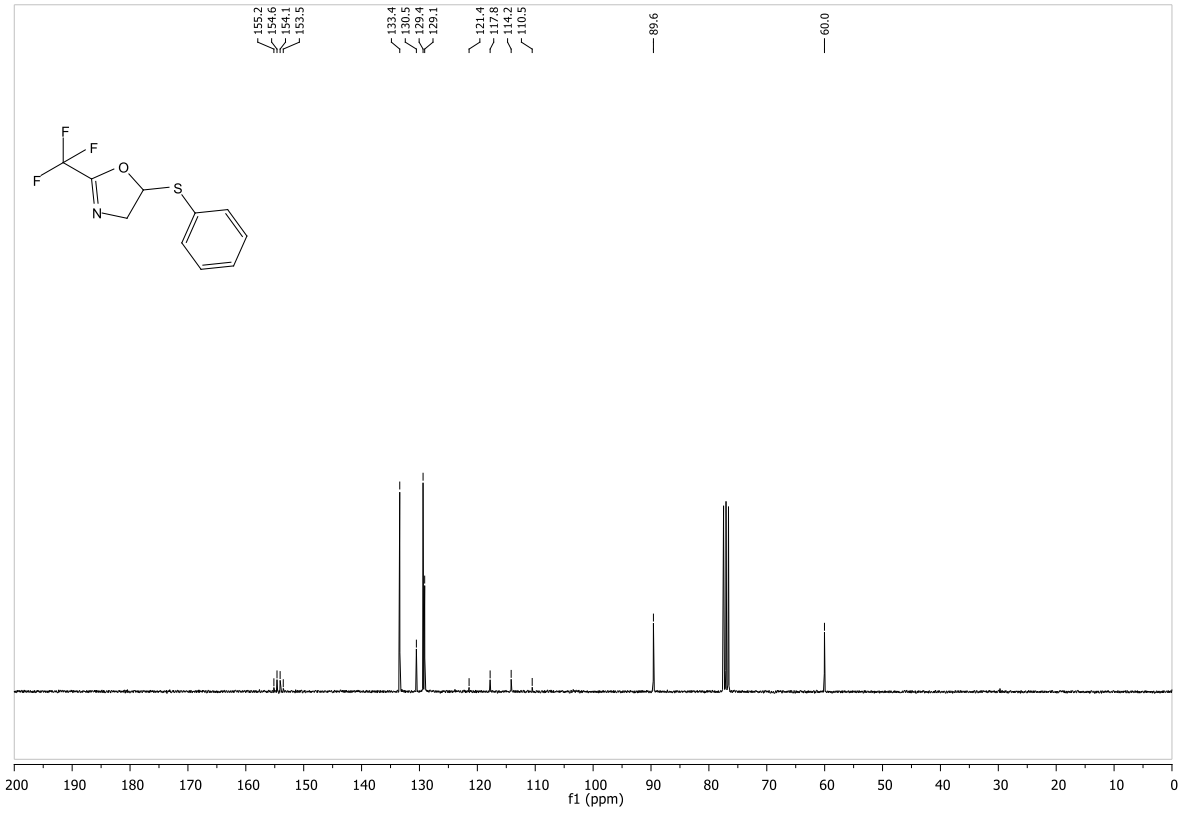
2-isobutyl-5-(phenylthio)-4,5-dihydrooxazole (4g)



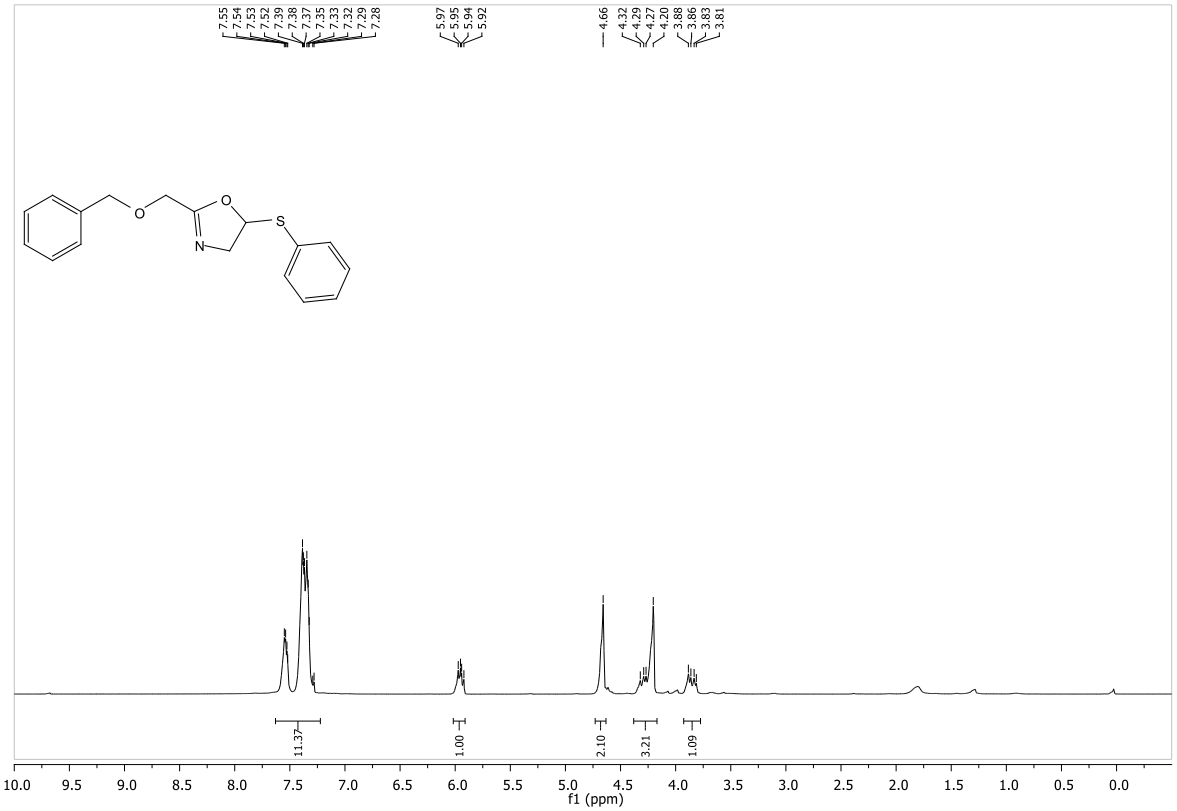


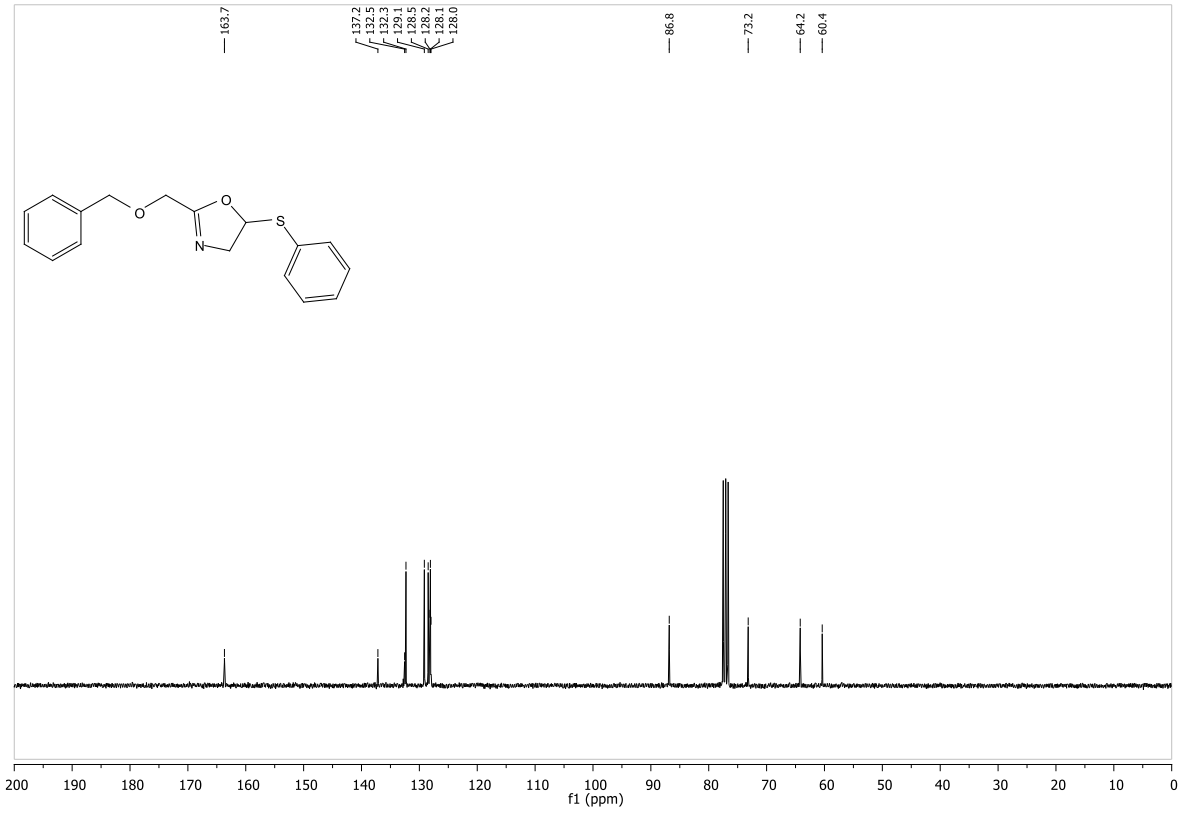
5-(phenylthio)-2-(trifluoromethyl)-4,5-dihydrooxazole (4h)



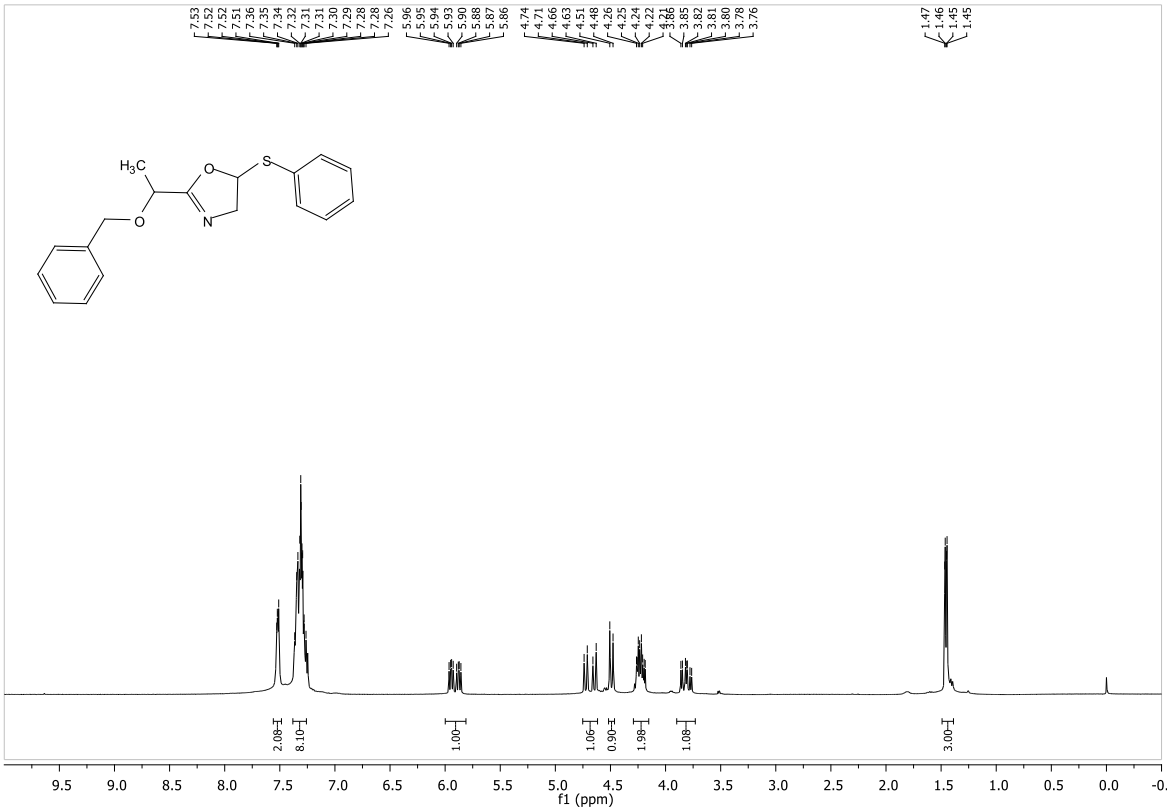


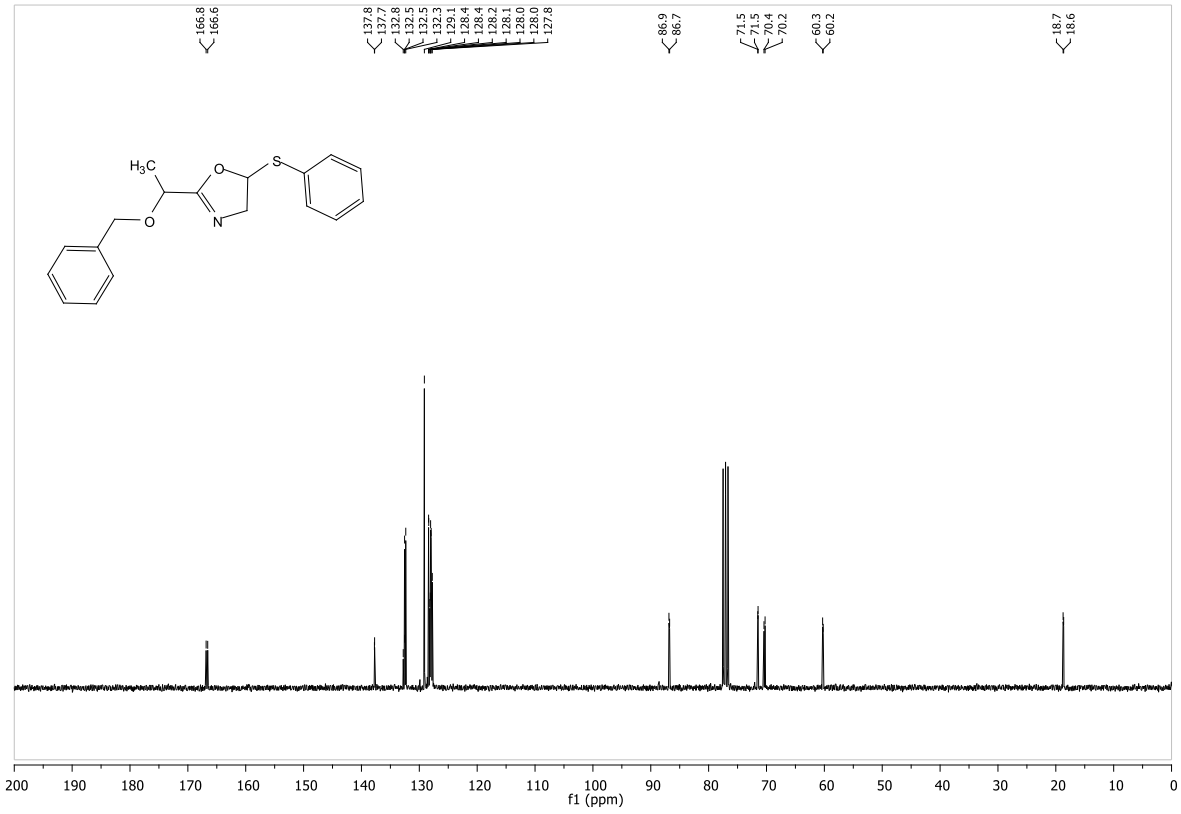
2-((benzyloxy)methyl)-5-(phenylthio)-4,5-dihydrooxazole (4i)



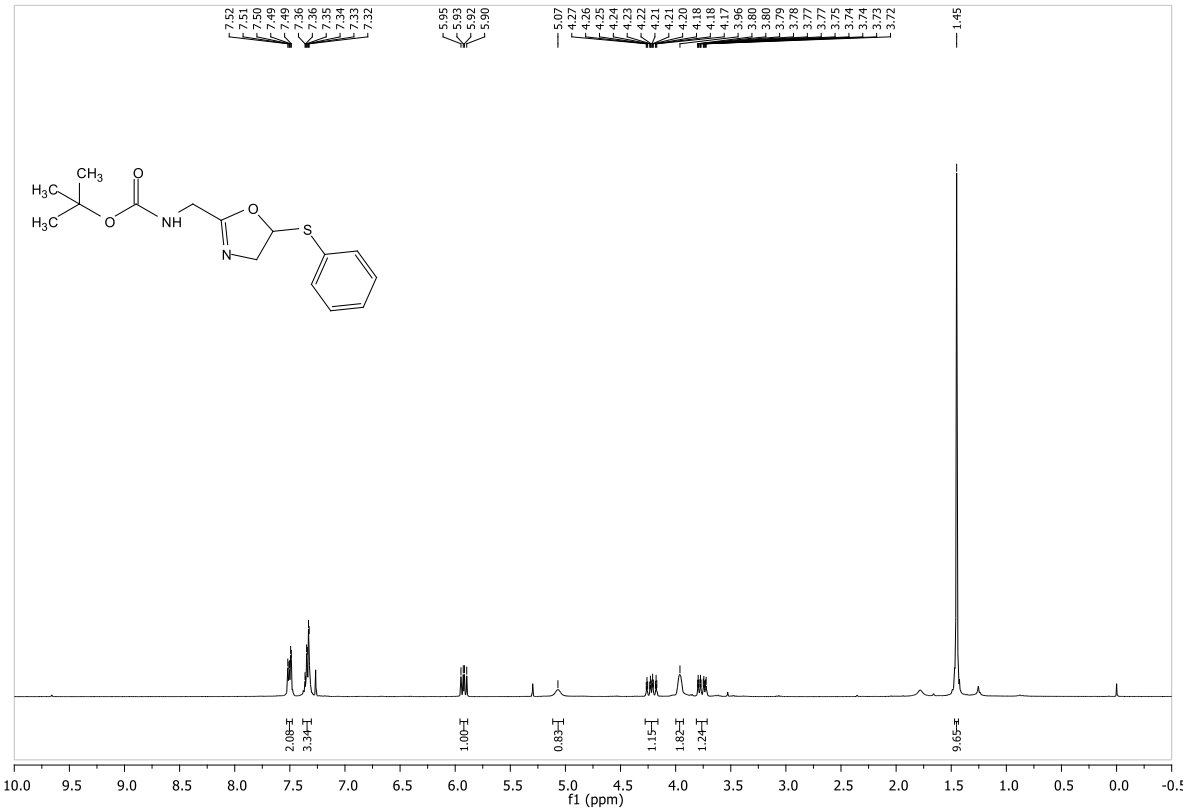


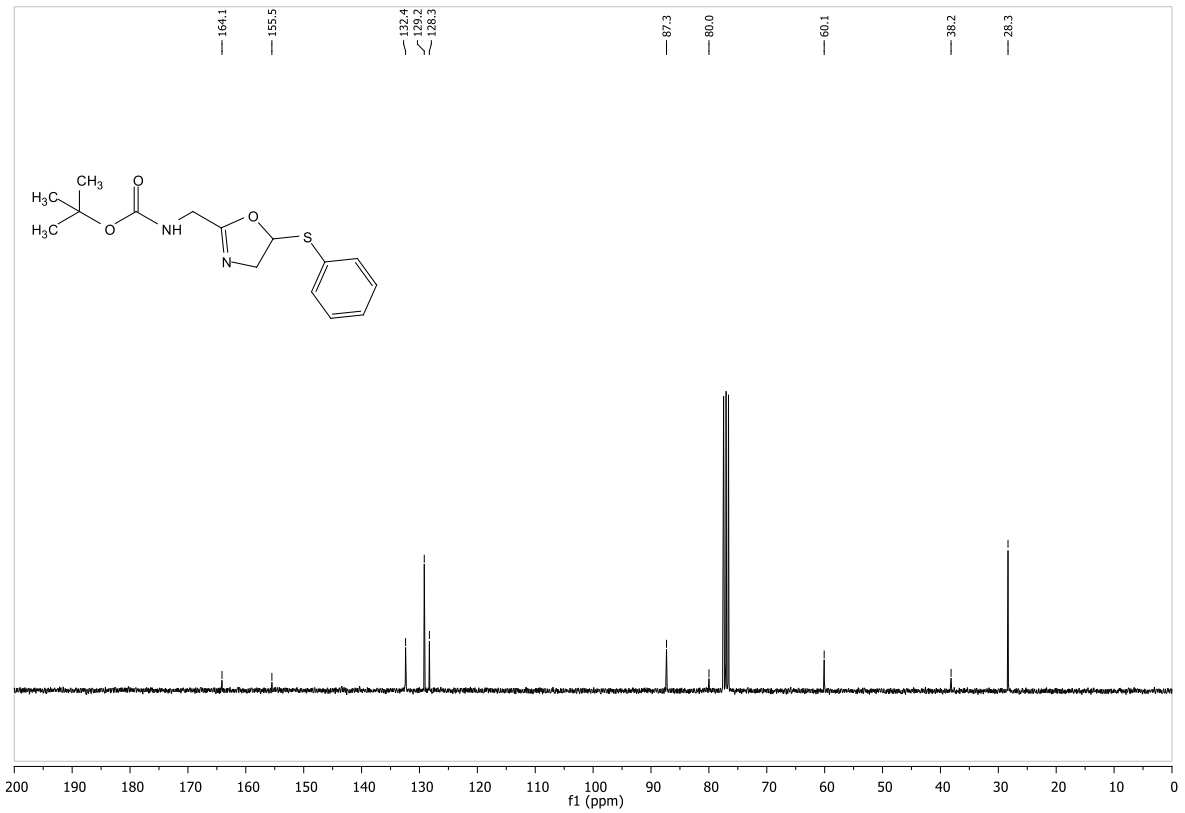
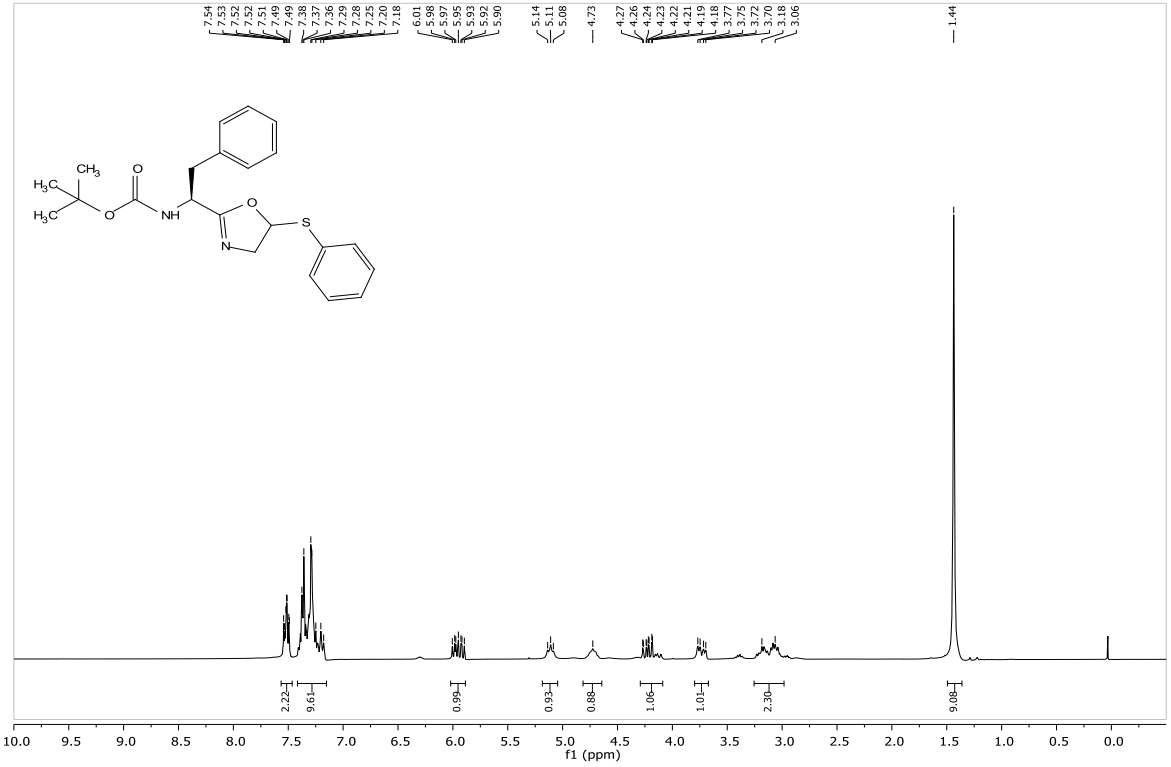
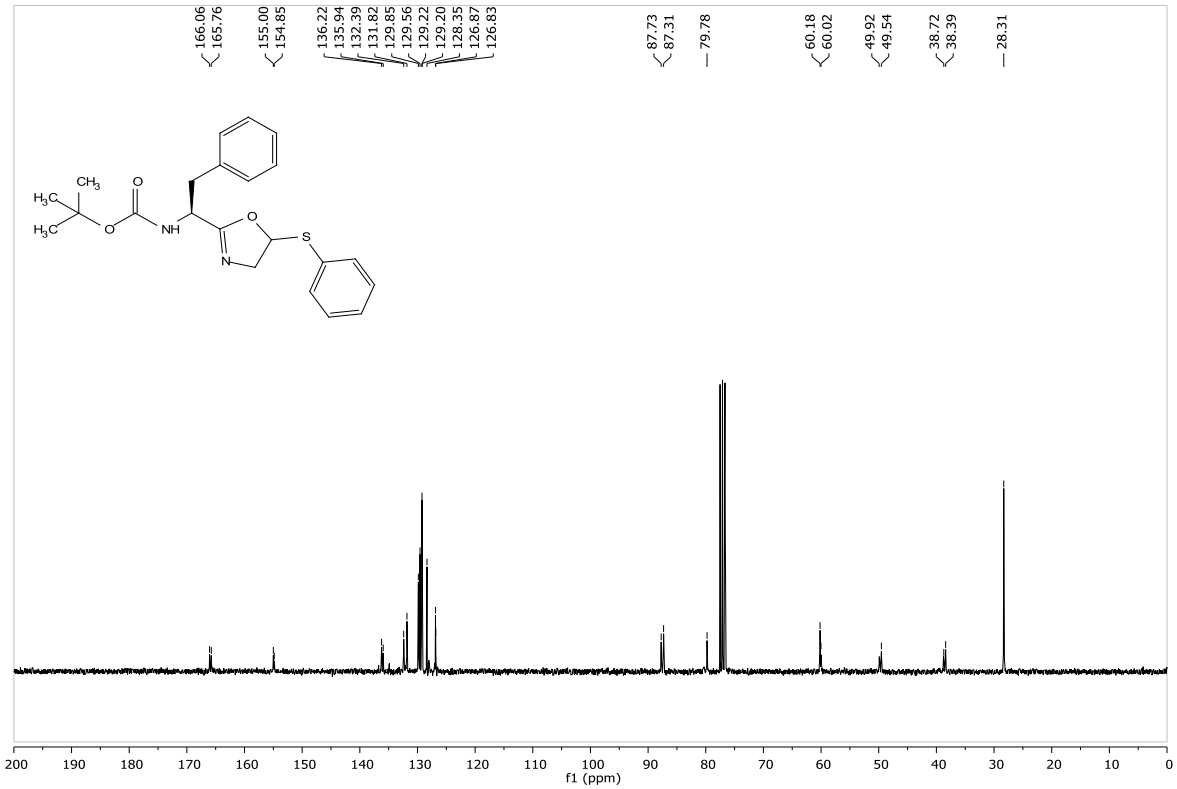
2-(1-(benzyloxy)ethyl)-5-(phenylthio)-4,5-dihydrooxazole (4j)





tert-butyl ((5-(phenylthio)-4,5-dihydrooxazol-2-yl)methyl)carbamate (4k)





tert-butyl ((1S)-2-phenyl-1-(5-(phenylthio)-4,5-dihydrooxazol-2-yl)ethyl)carbamate (4l)