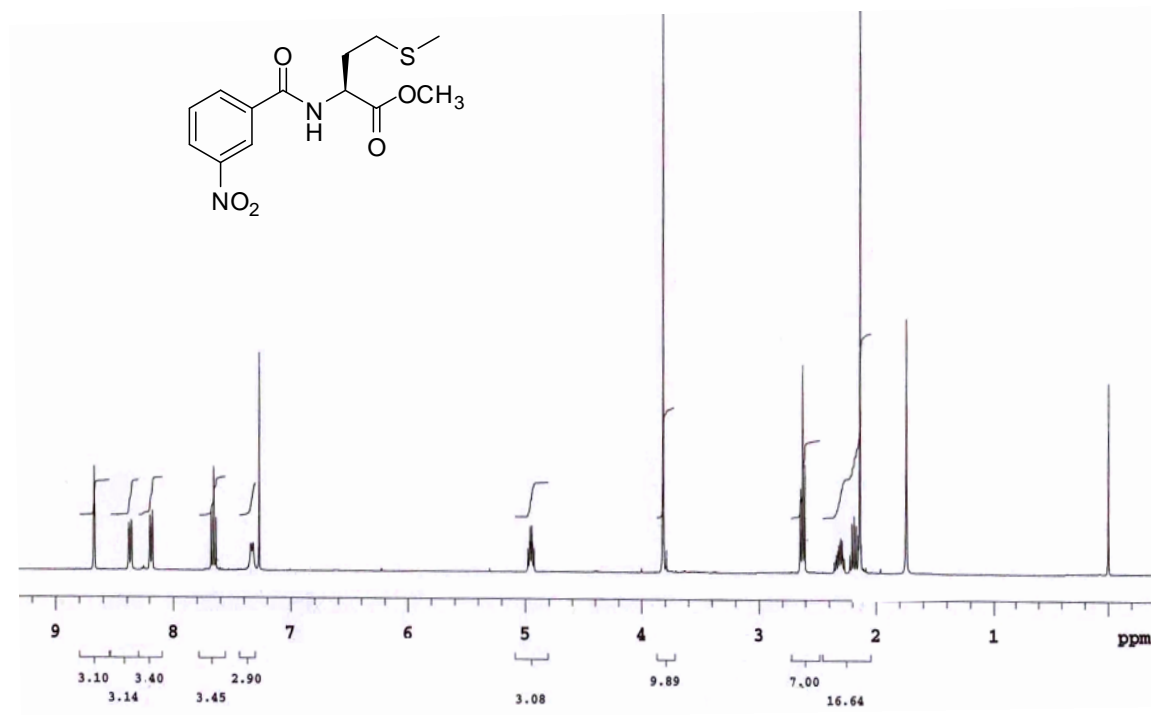
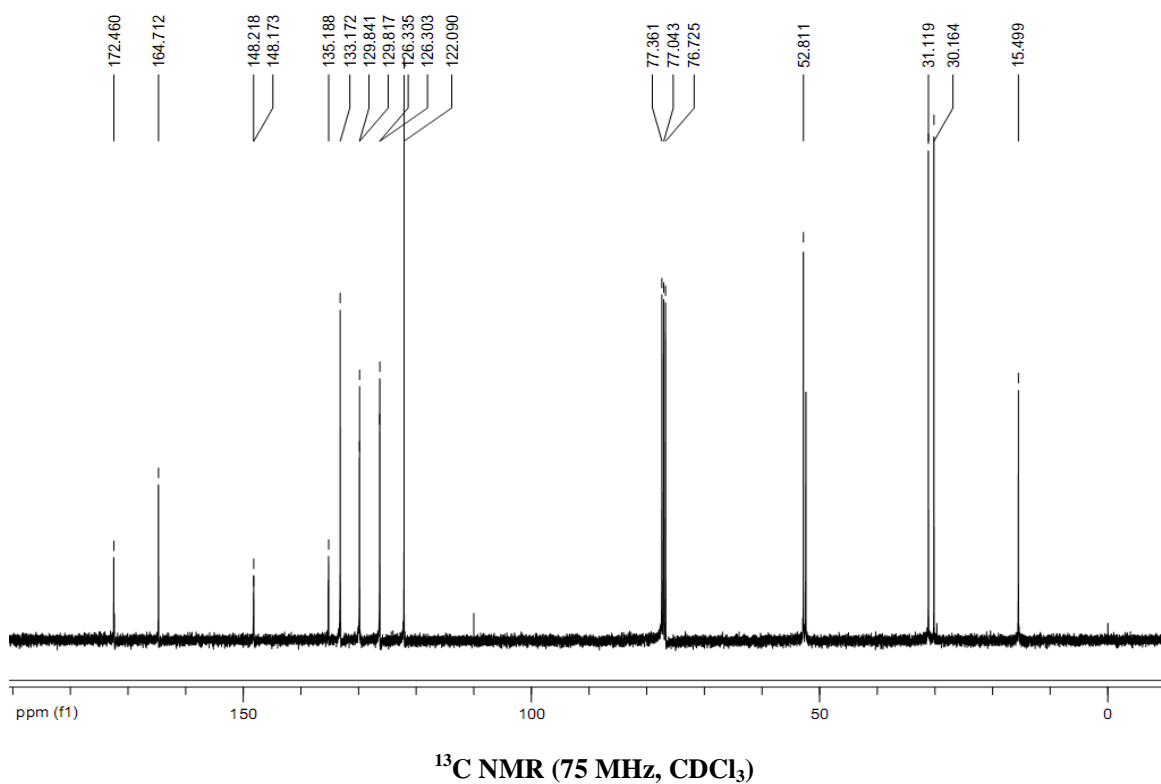


^1H & ^{13}C NMR Spectra

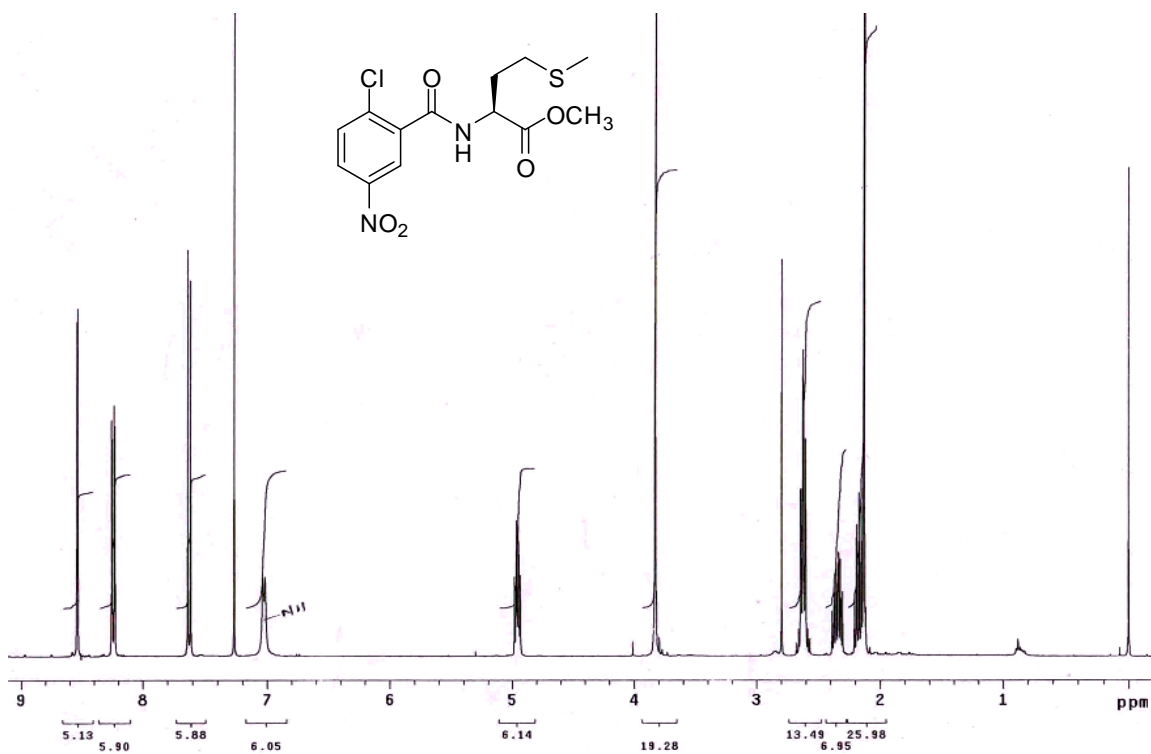
Methyl 4-(methylthio)-2-(3-nitrobenzamido)butanoate (2a):



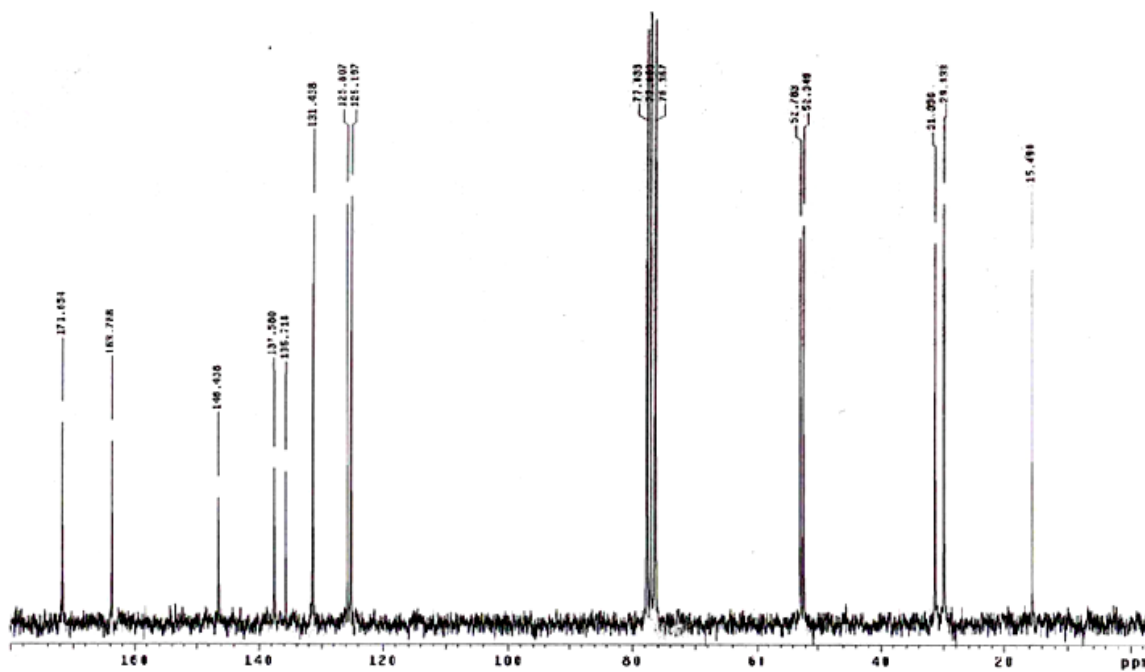
^{13}C NMR (75 MHz, CDCl_3)



(S)-Methyl 2-(2-chloro-5-nitrobenzamido)-4-(methylthio)butanoate (2b):

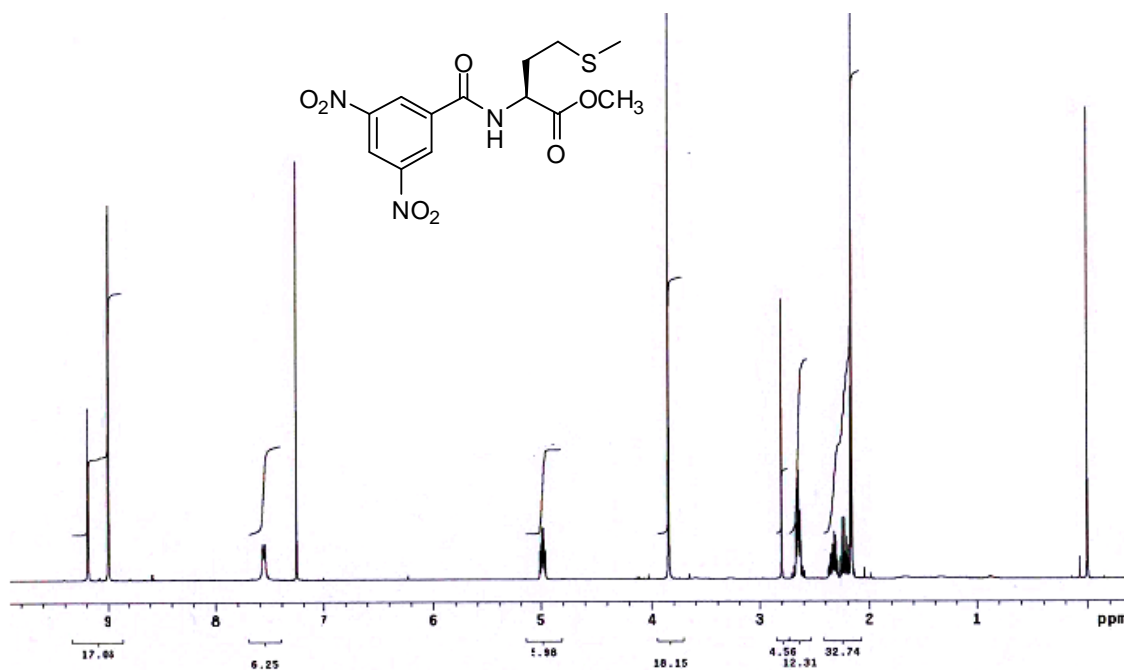


¹H NMR (300 MHz, CDCl₃)

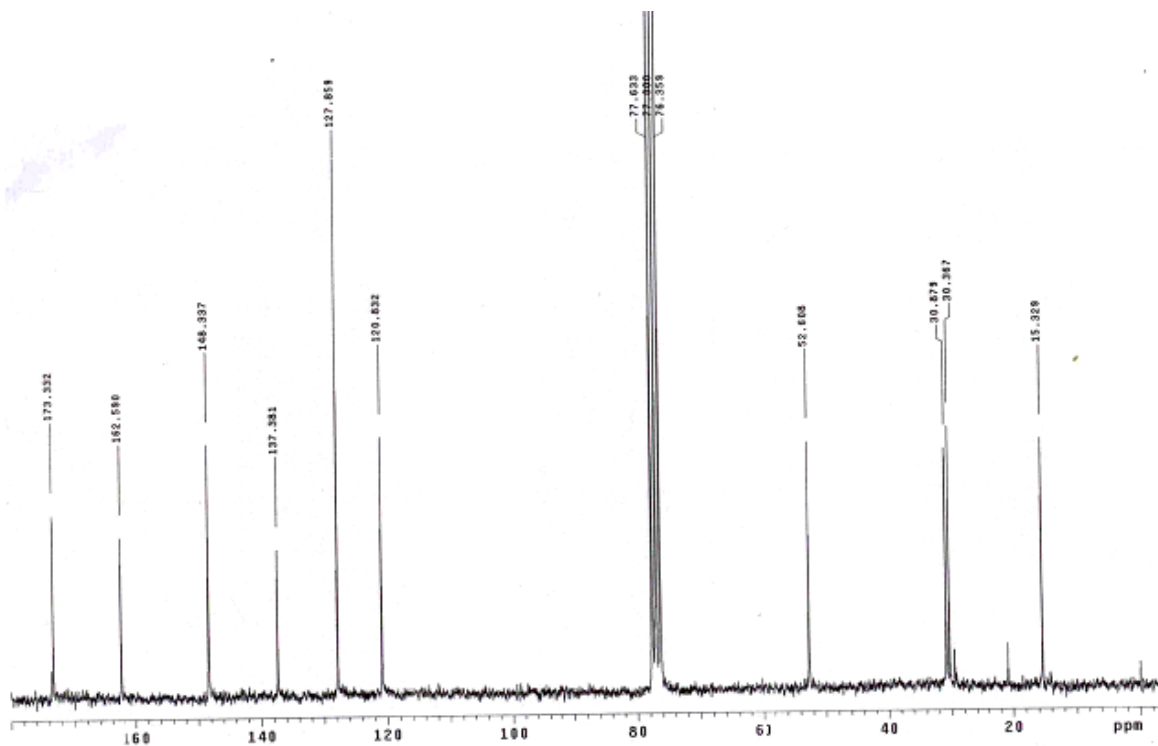


¹³C NMR (75 MHz, CDCl₃)

(S)-Methyl 2-(3,5-dinitrobenzamido)-4-(methylthio)butanoate (2c):

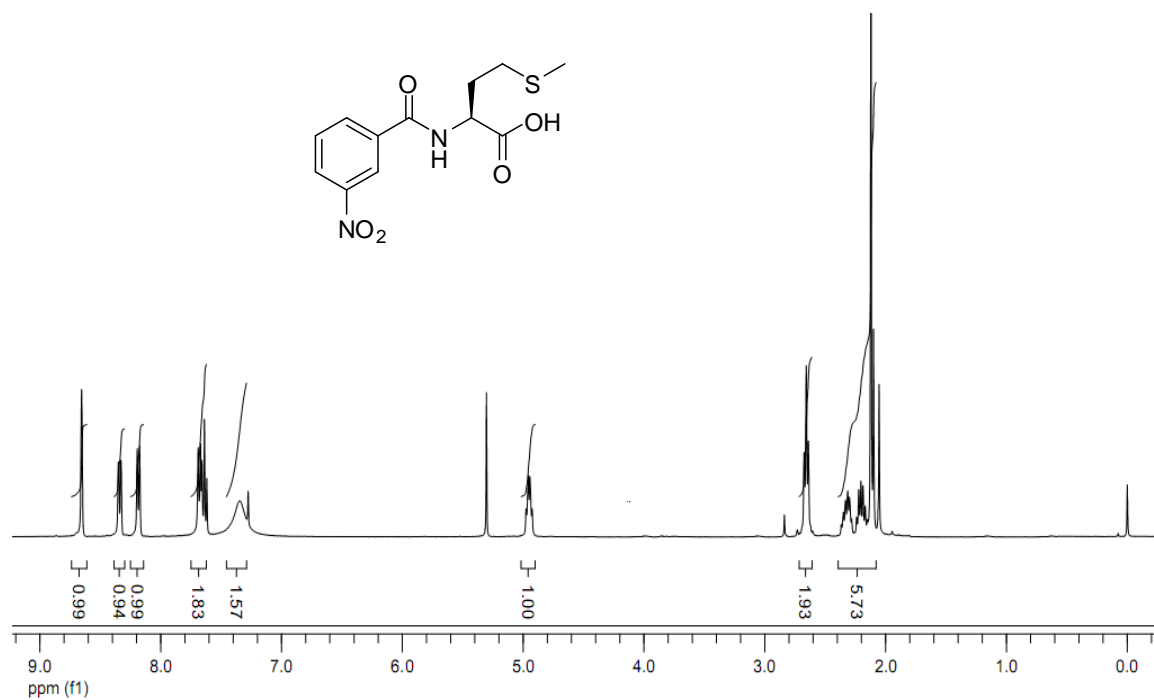
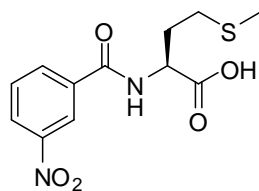


¹H NMR (300 MHz, CDCl₃)

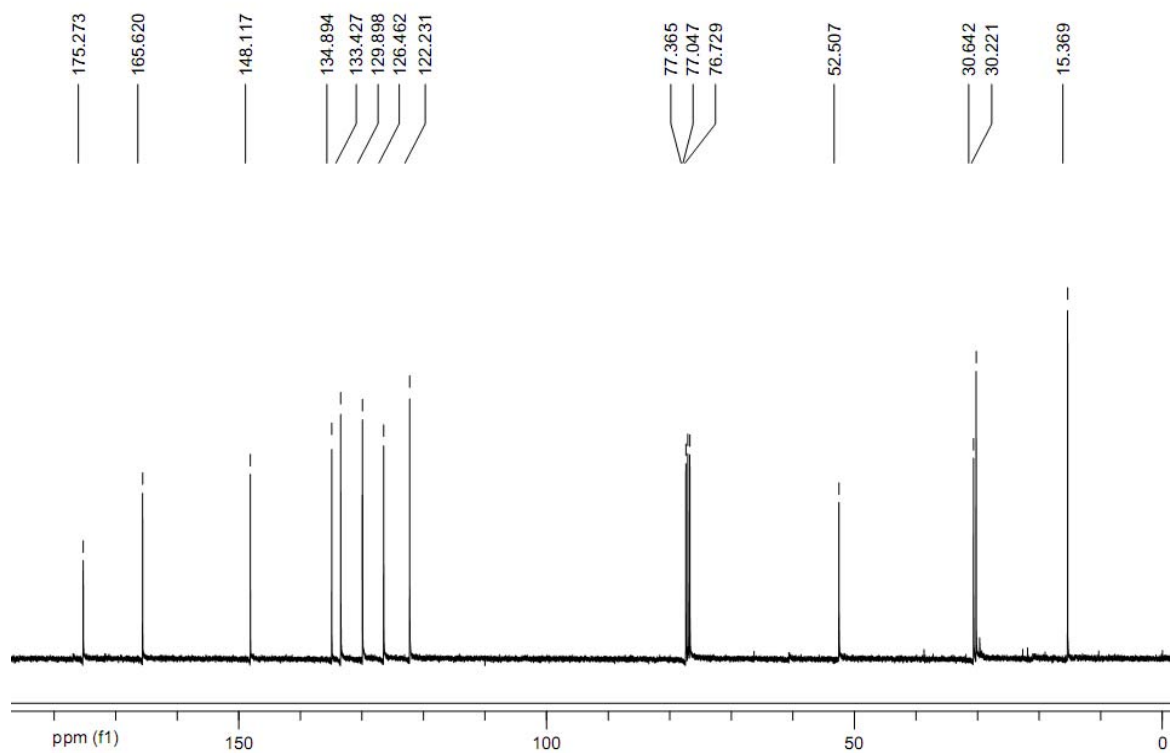


¹³C NMR (75 MHz, CDCl₃)

4-(Methylthio)-2-(3-nitrobenzamido)butanoic acid (3a):

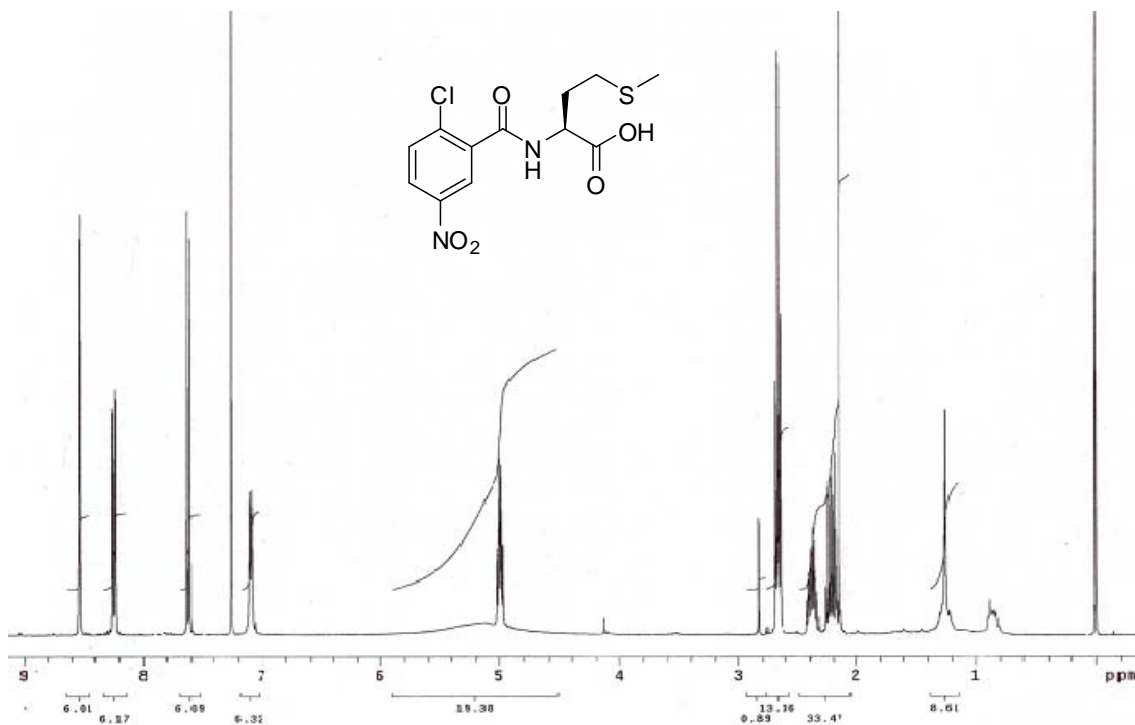


¹H NMR (300 MHz, CDCl₃)

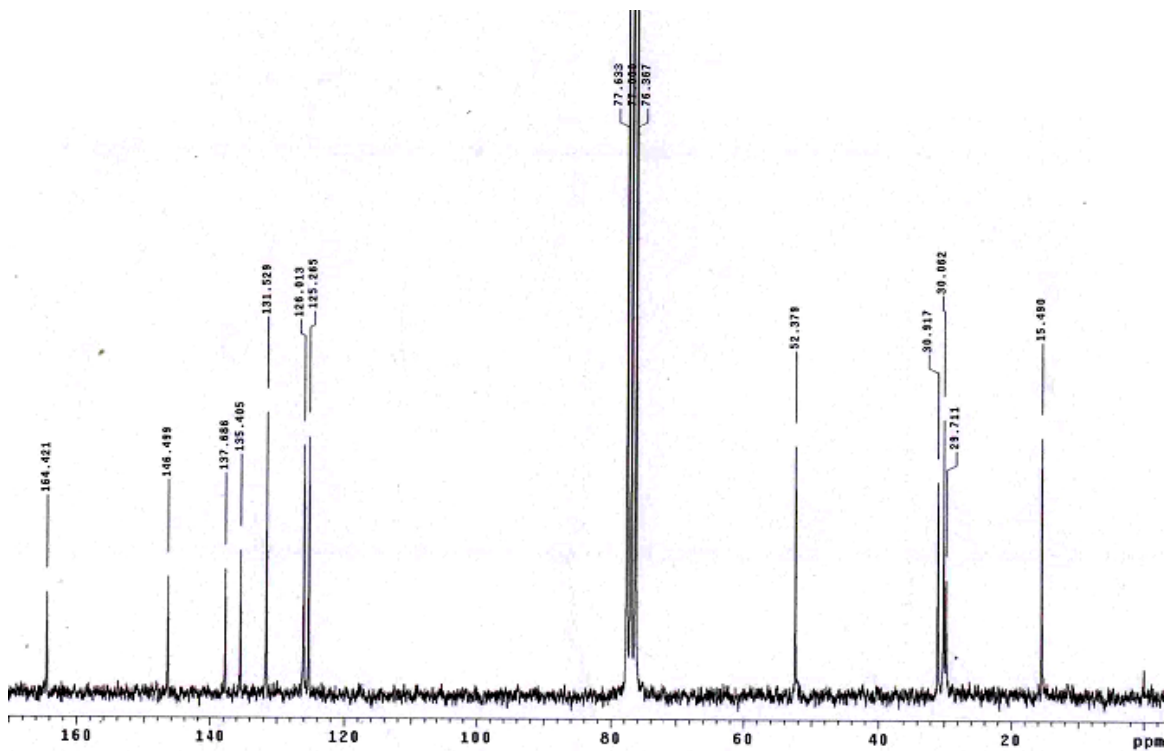


¹³C NMR (75 MHz, CDCl₃)

(S)-2-(2-chloro-5-nitrobenzamido)-4-(methylthio)butanoic acid (3b):

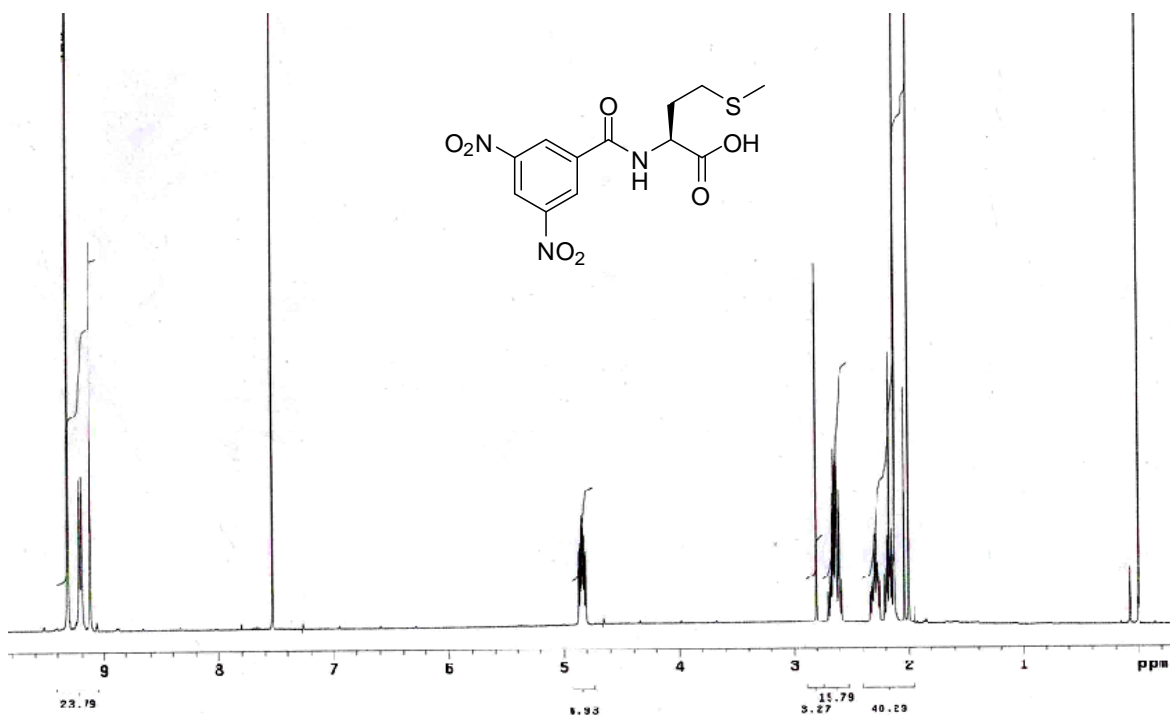


¹H NMR (300 MHz, CDCl₃)

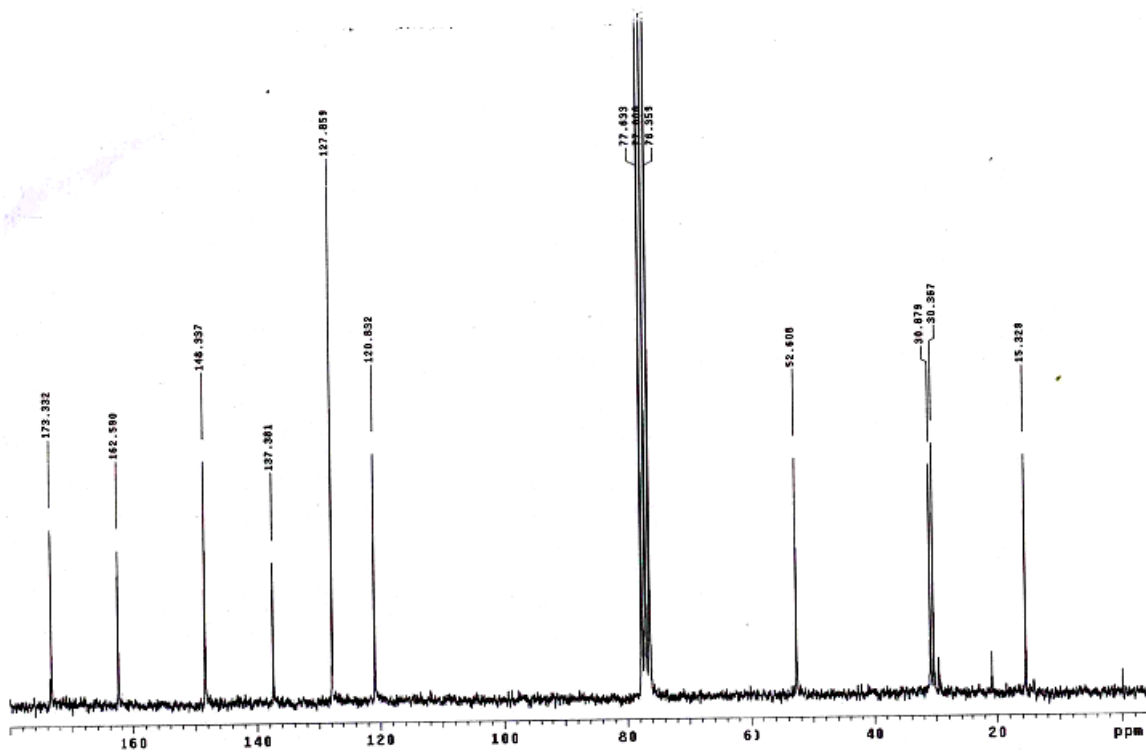


¹³C NMR (75 MHz, CDCl₃)

(S)-2-(3, 5-dinitrobenzamido)-4-(methylthio)butanoic acid (3c):

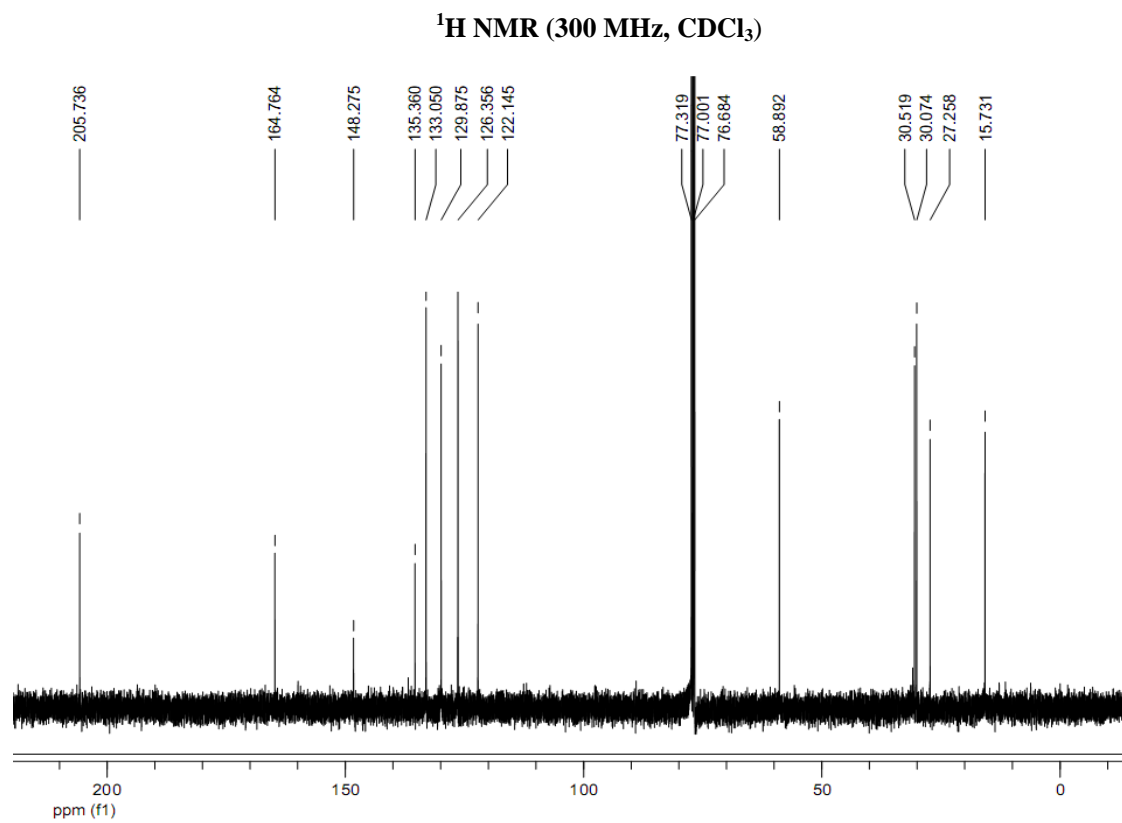
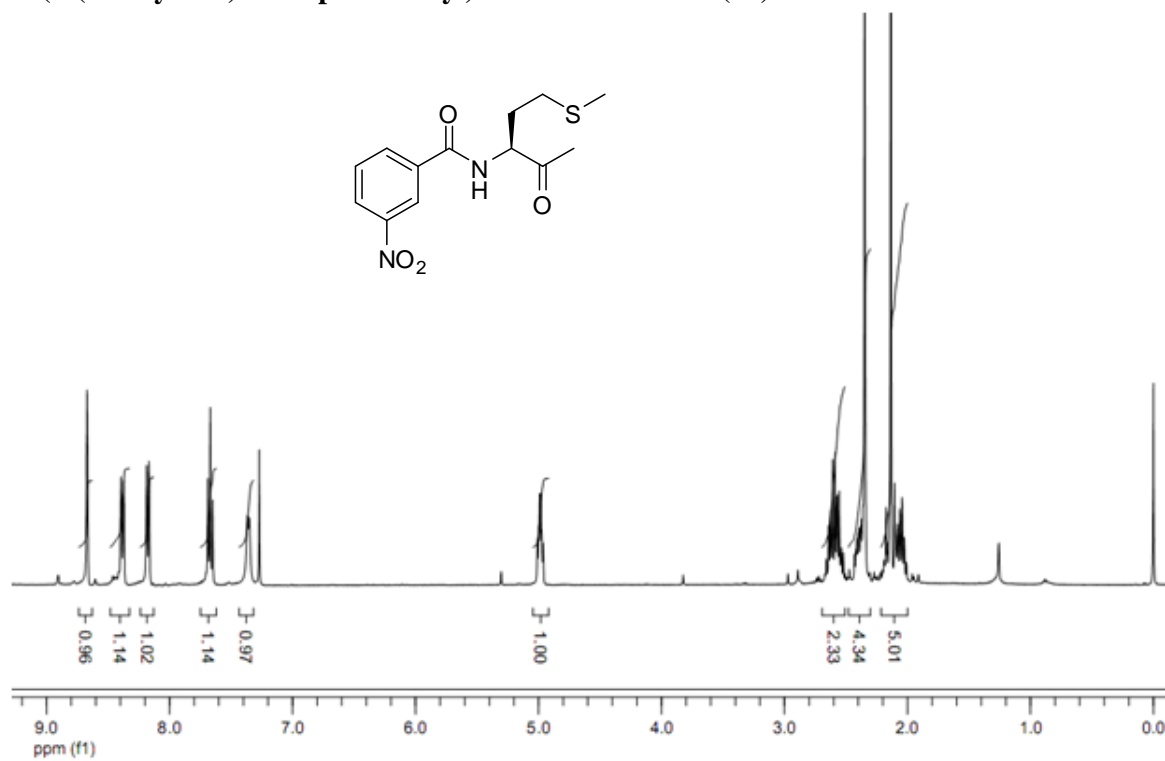
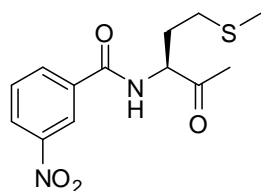


¹H NMR (300 MHz, CDCl₃)

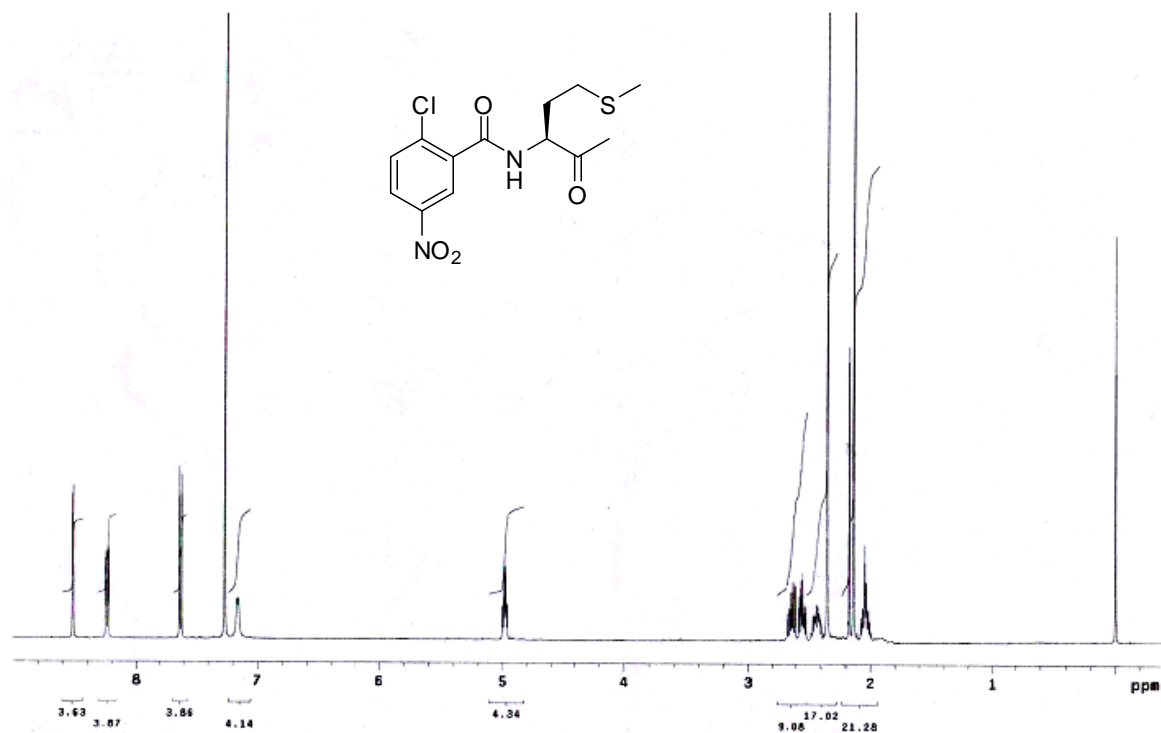


¹³C NMR (75 MHz, CDCl₃)

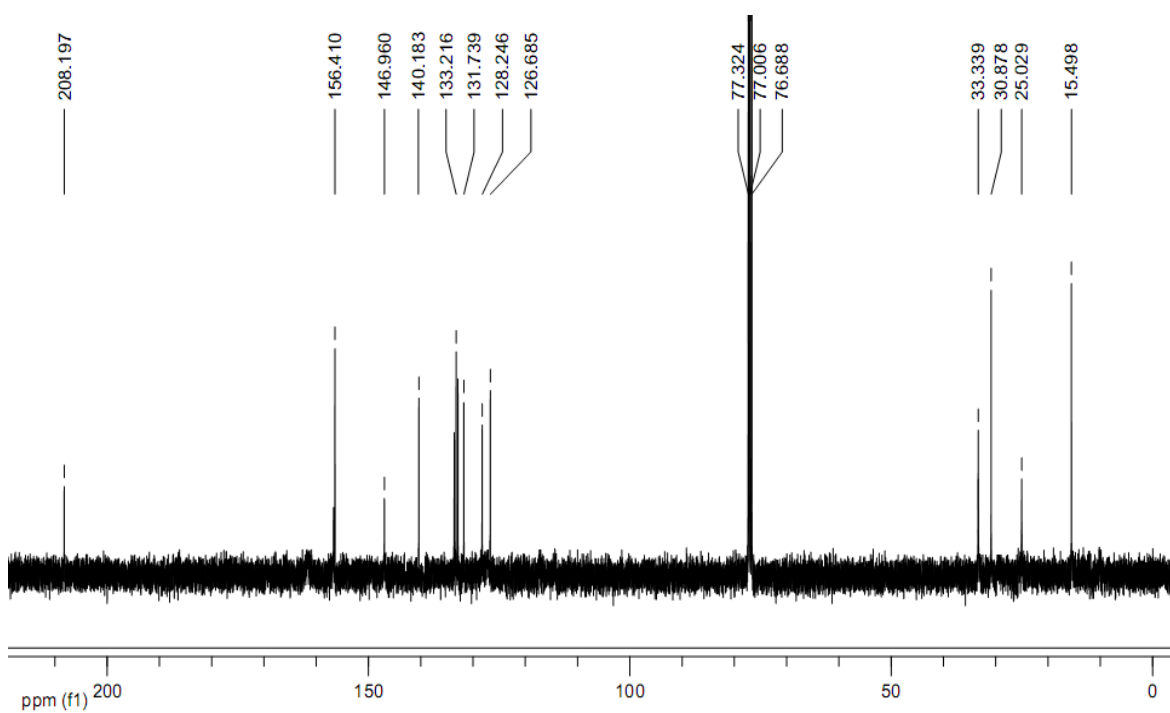
N-(1-(Methylthio)-4-oxopentan-3-yl)-3-nitrobenzamide (4a):



(S)-2-chloro-N-(1-(methylthio)-4-oxopentan-3-yl)-5-nitrobenzamide (4b):

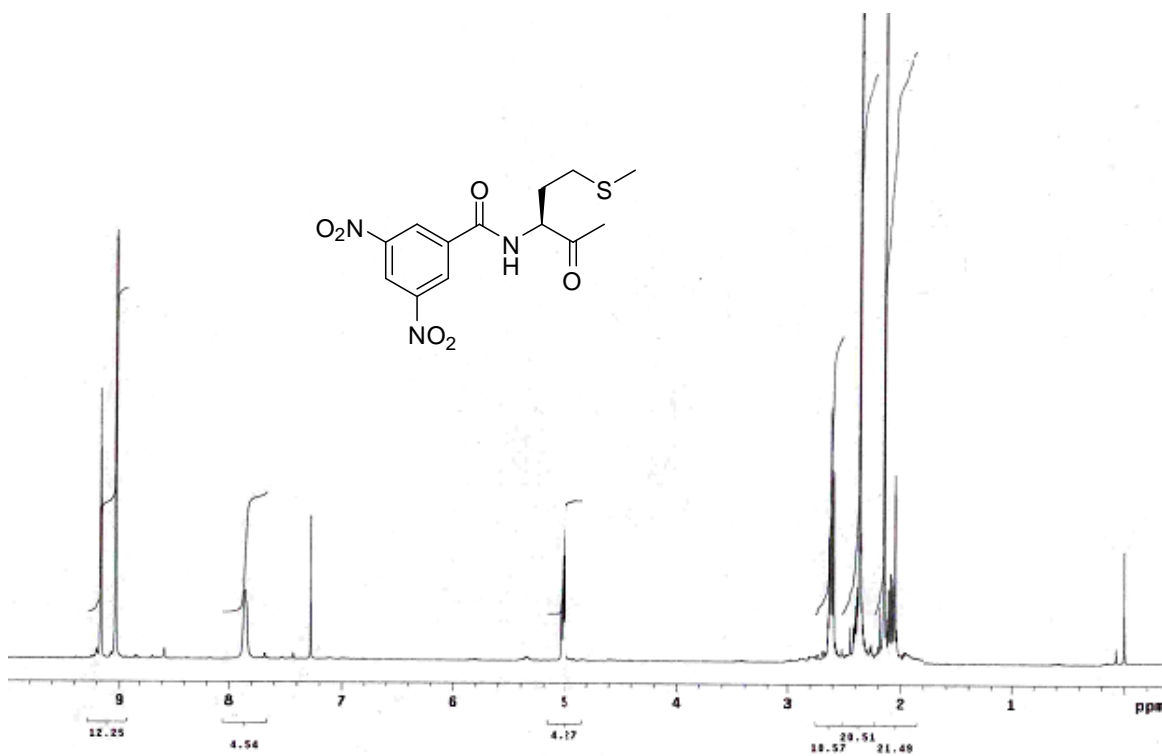


¹H NMR (300 MHz, CDCl₃)

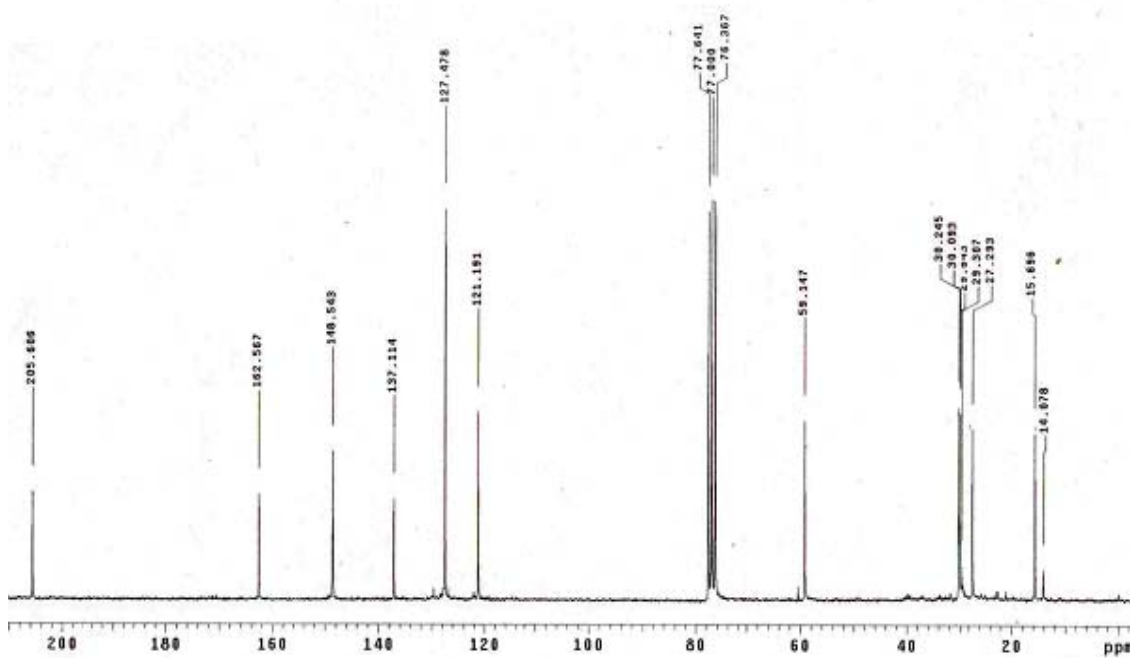


¹³C NMR (75 MHz, CDCl₃)

(S)-N-(1-(methylthio)-4-oxopentan-3-yl)-3, 5-dinitrobenzamide (4c):

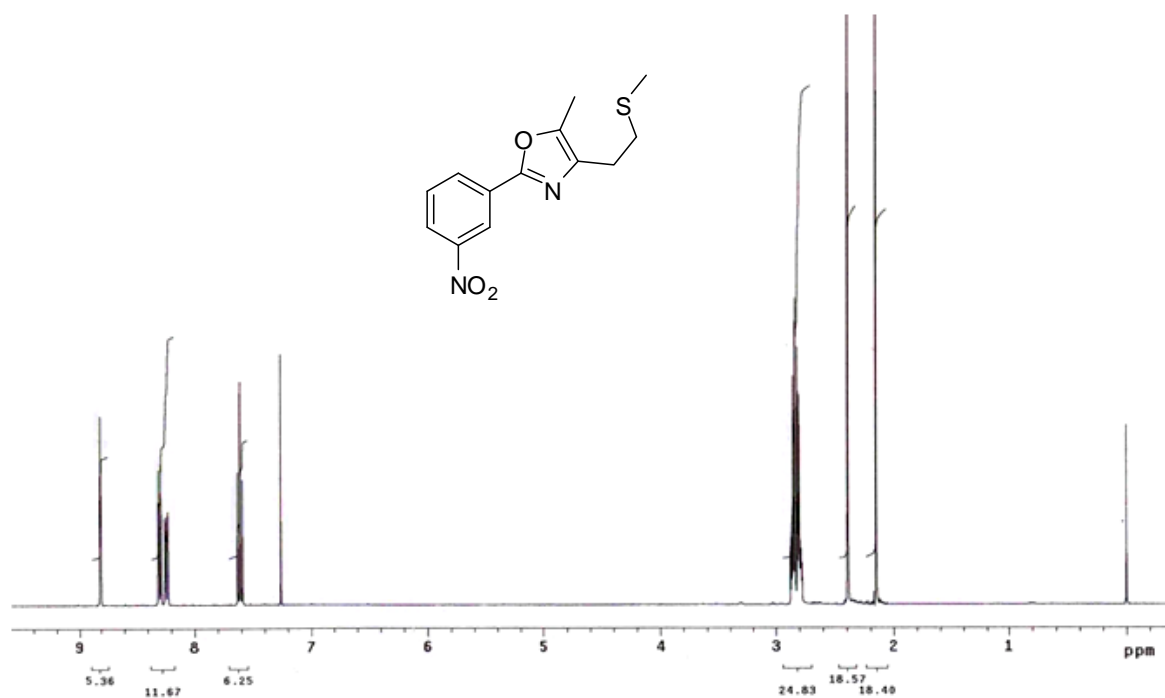


¹H NMR (300 MHz, CDCl₃)

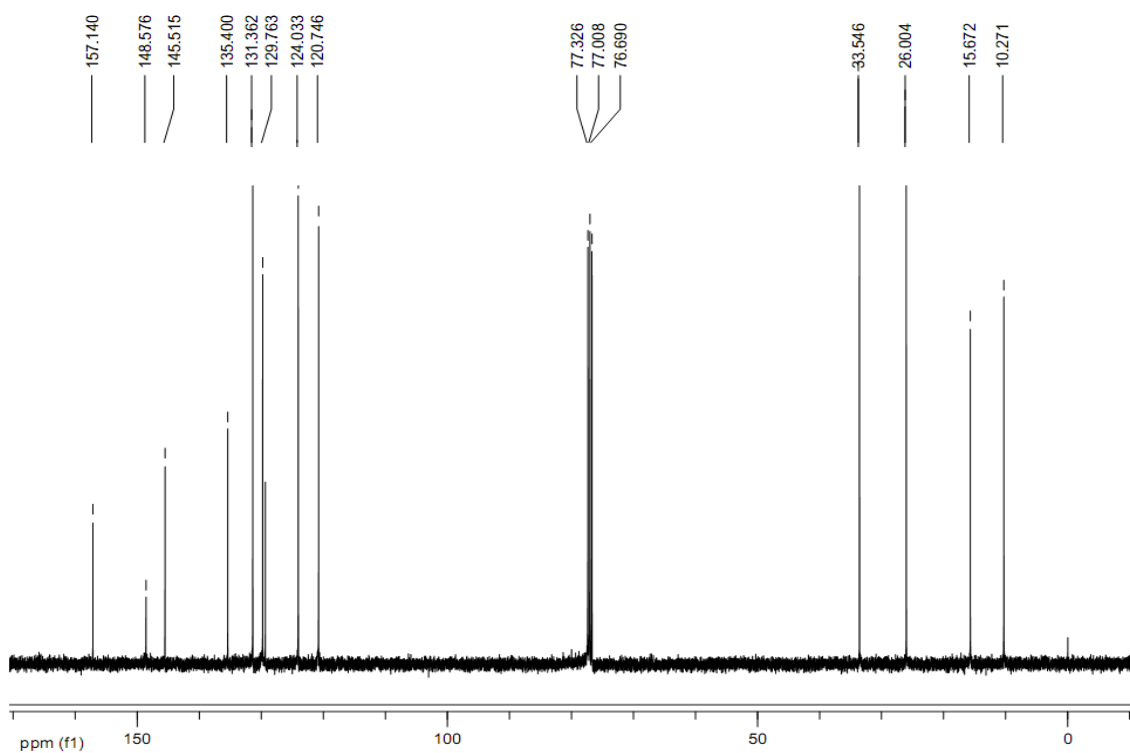


¹³C NMR (75 MHz, CDCl₃)

5-Methyl-4-(2-(methylthio) ethyl) -2-(3-nitrophenyl) oxazole (5a):

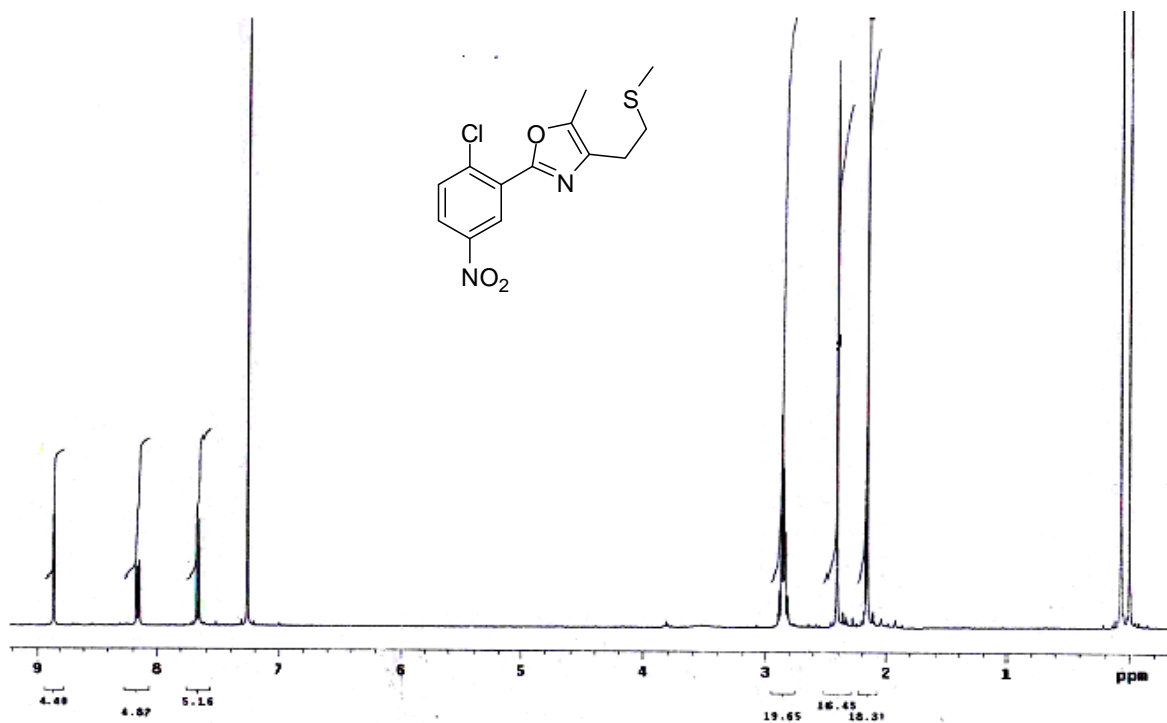


¹H NMR (300 MHz, CDCl₃)

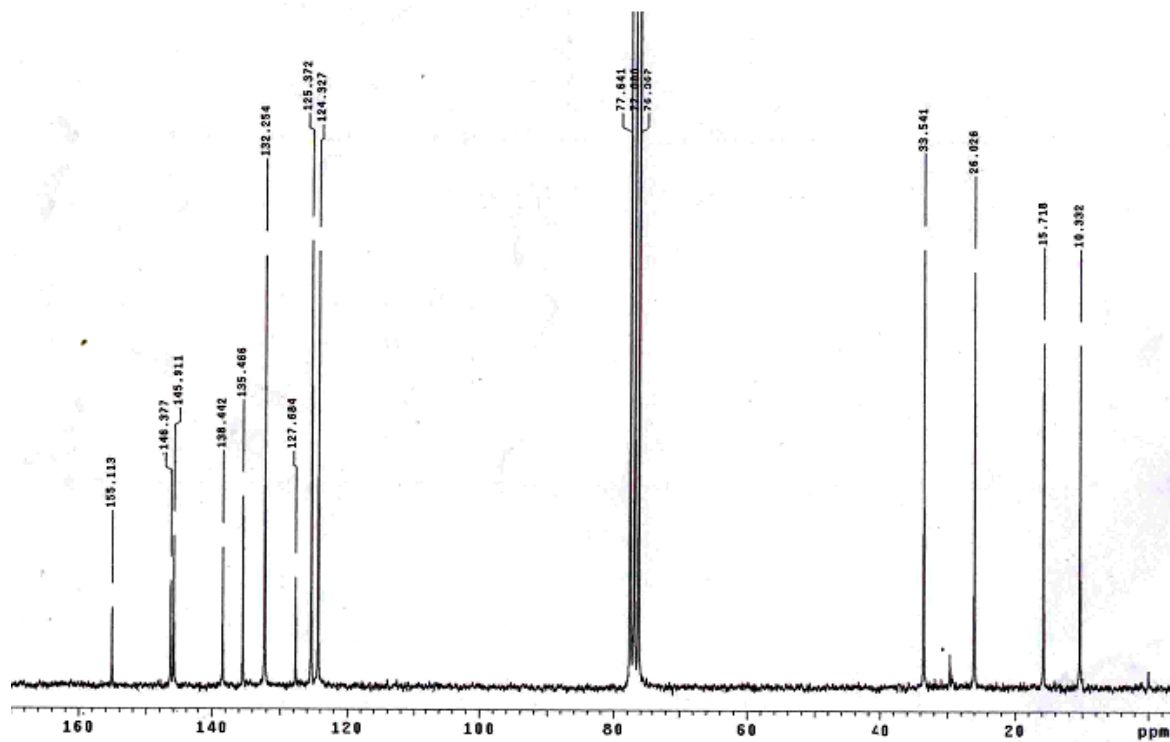


¹³C NMR (75 MHz, CDCl₃)

2-(2-chloro-5-nitrophenyl)-5-methyl-4-(2-(methyl thio) ethyl oxazole (5b):

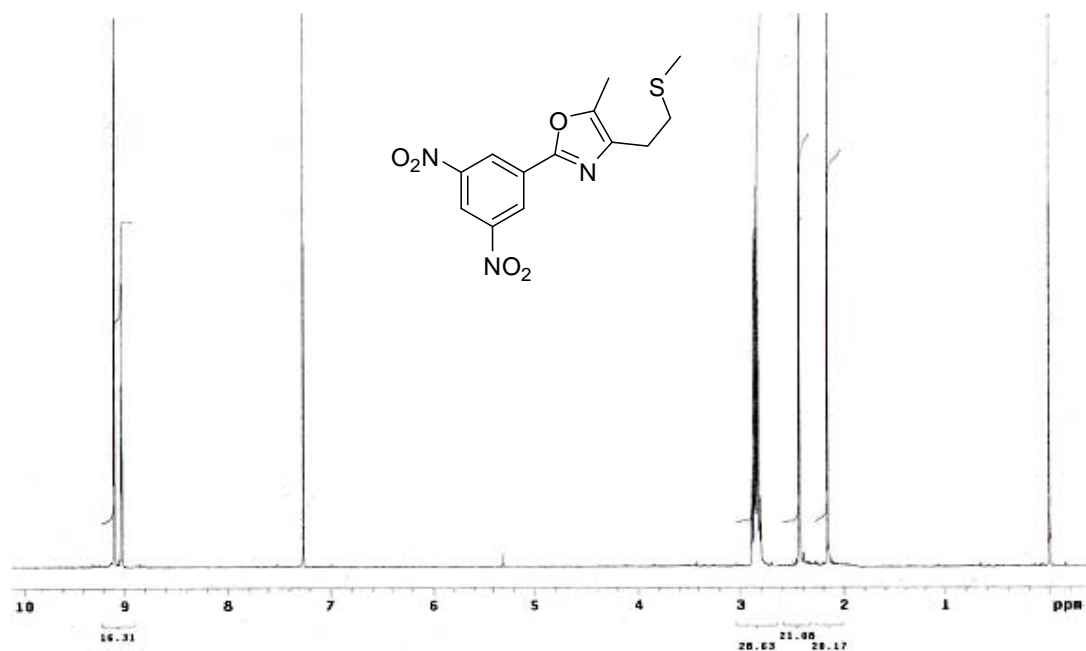


¹H NMR (300 MHz, CDCl₃)

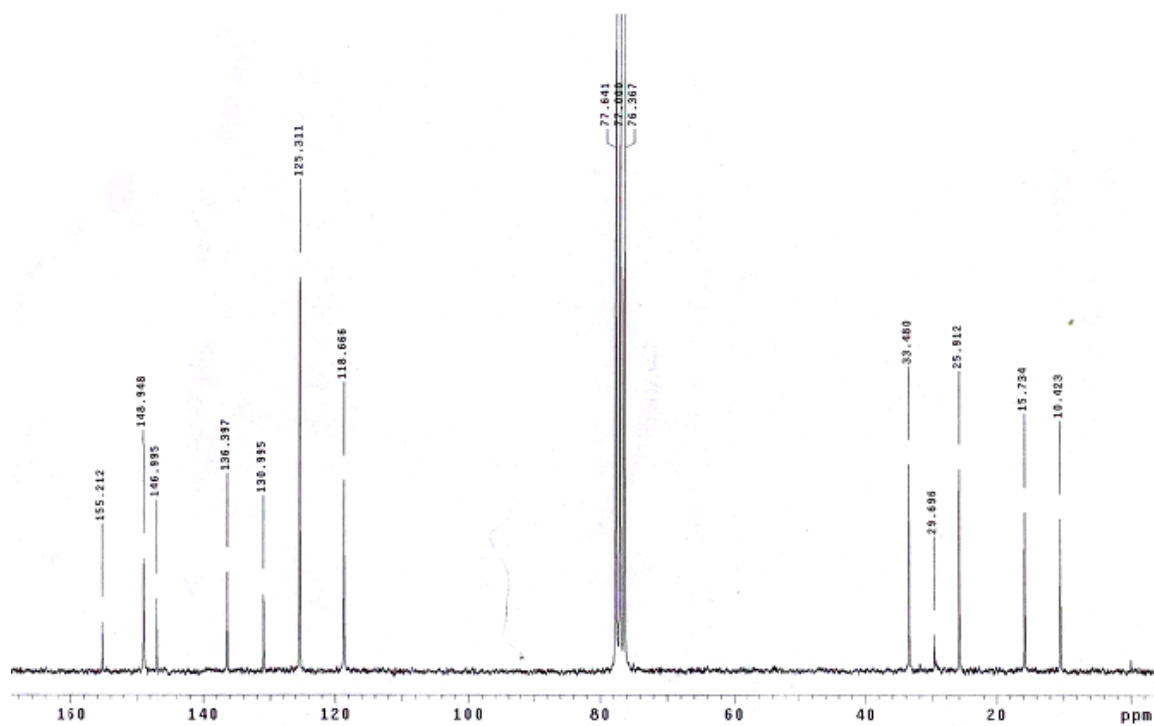


¹³C NMR (75 MHz, CDCl₃)

2-(3, 5-dinitrophenyl)-5-methyl-4-(2-(methylthio) ethyl) oxazole (5c):

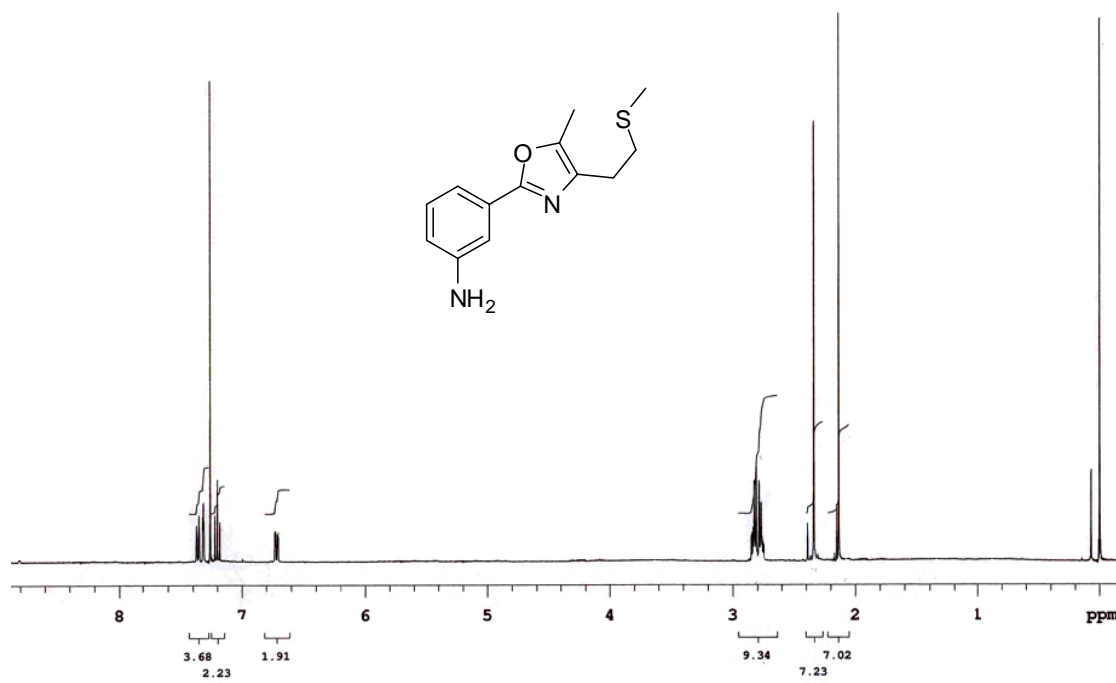


¹H NMR (300 MHz, CDCl₃)

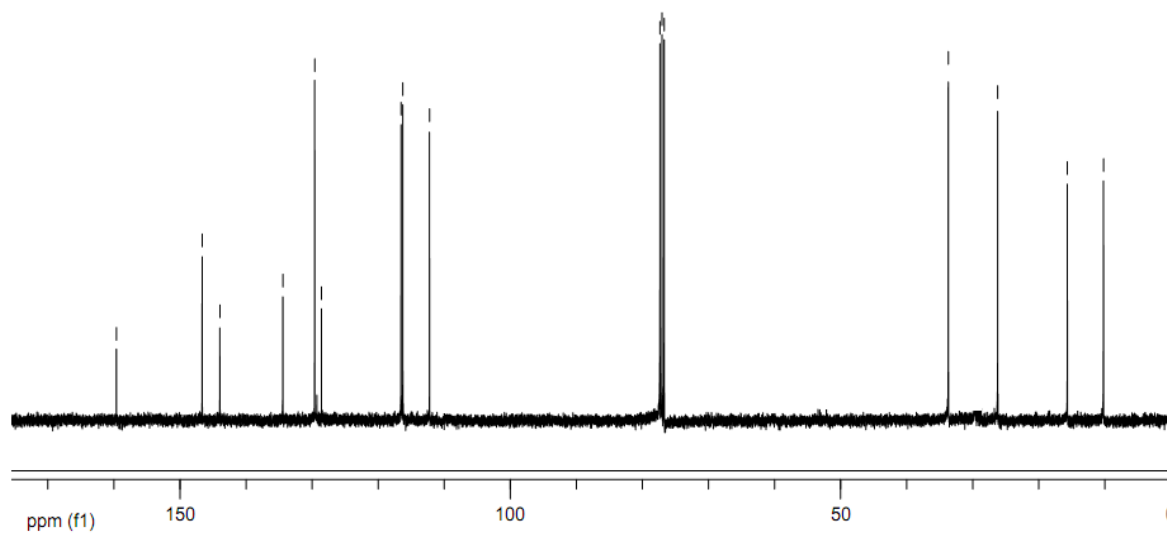
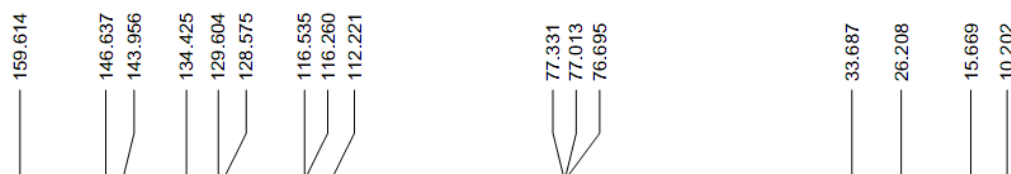


¹³C NMR (75 MHz, CDCl₃)

3-(5-Methyl-4-(2-(methylthio) ethyl) oxazol-2-yl) aniline (6a):

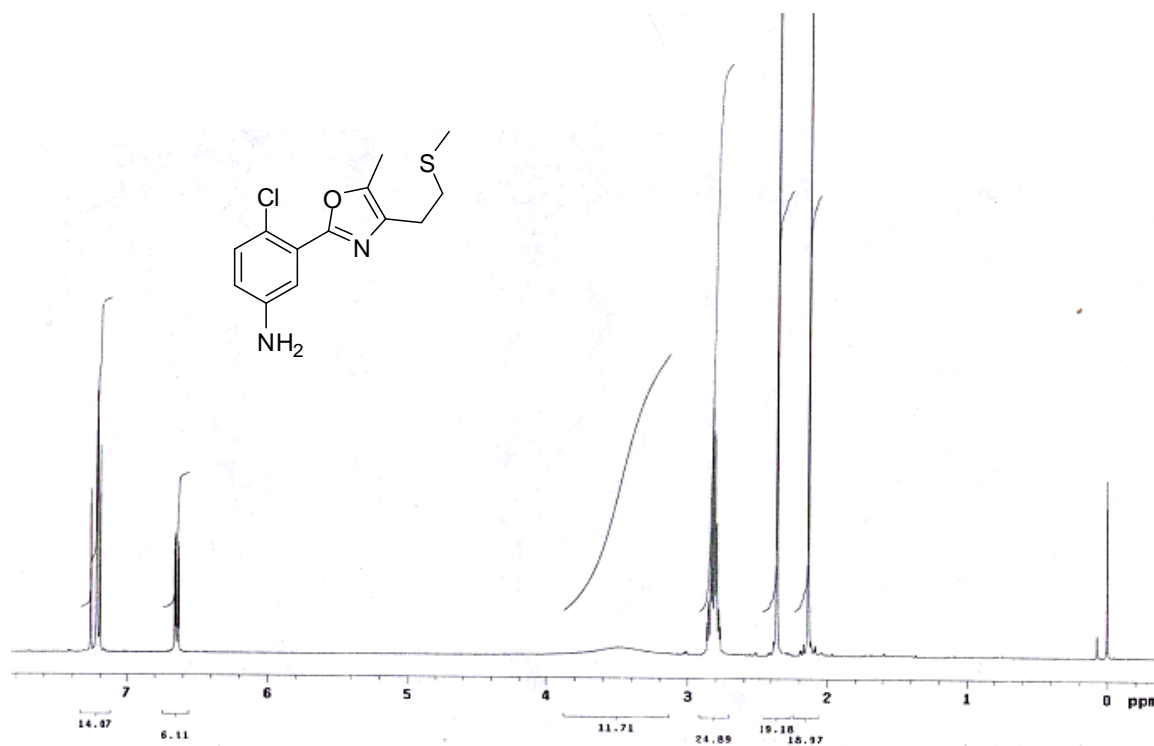


¹H NMR (300 MHz, CDCl₃)

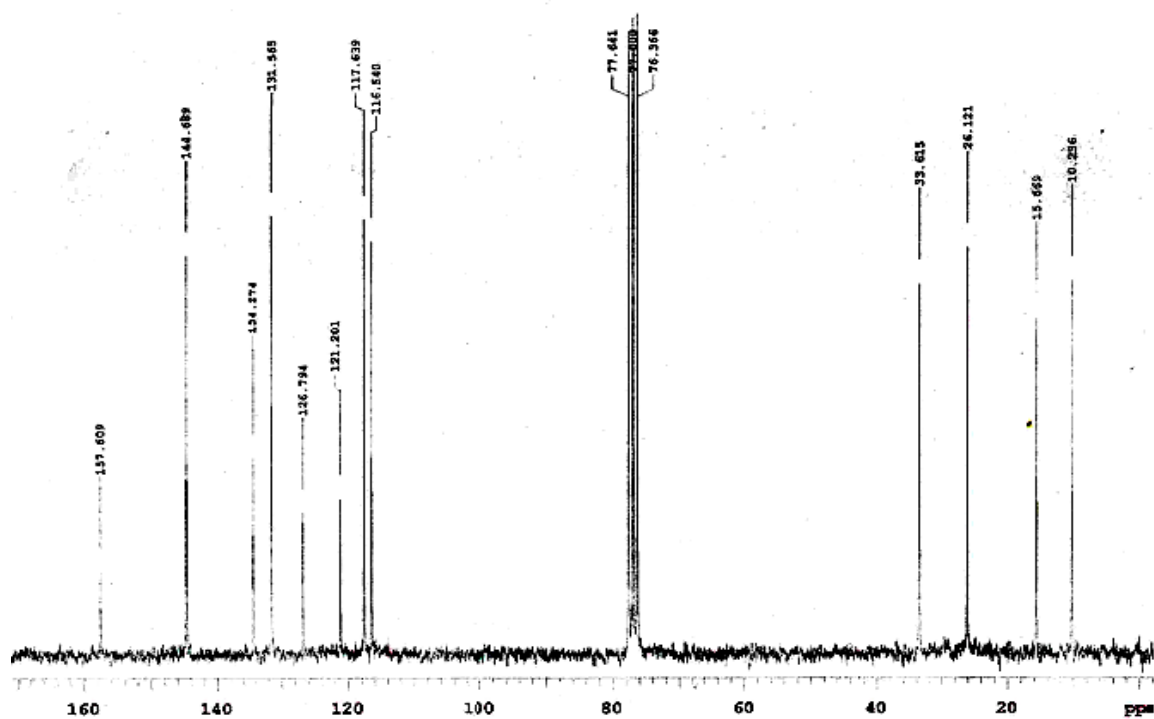


¹³C NMR (75 MHz, CDCl₃)

4-chloro-3-(5-methyl-4-(2-(methylthio)ethyl)oxazol-2-yl)aniline (6b):

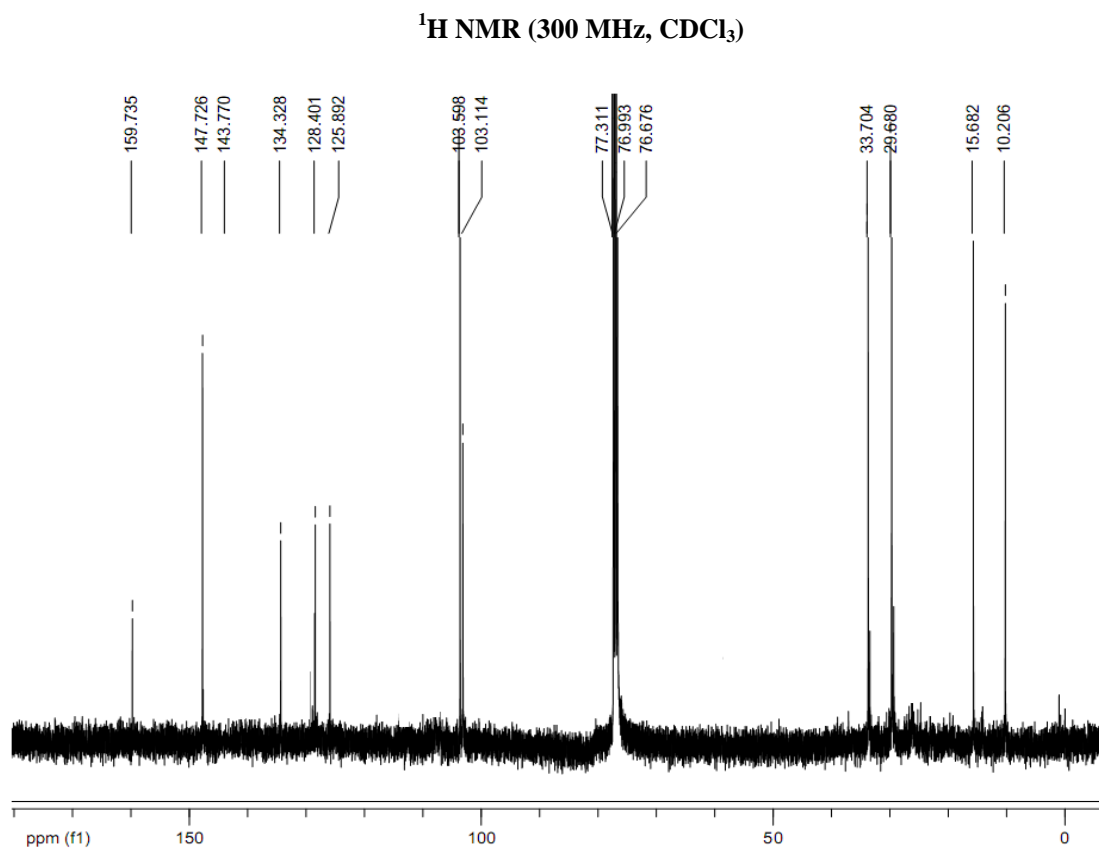
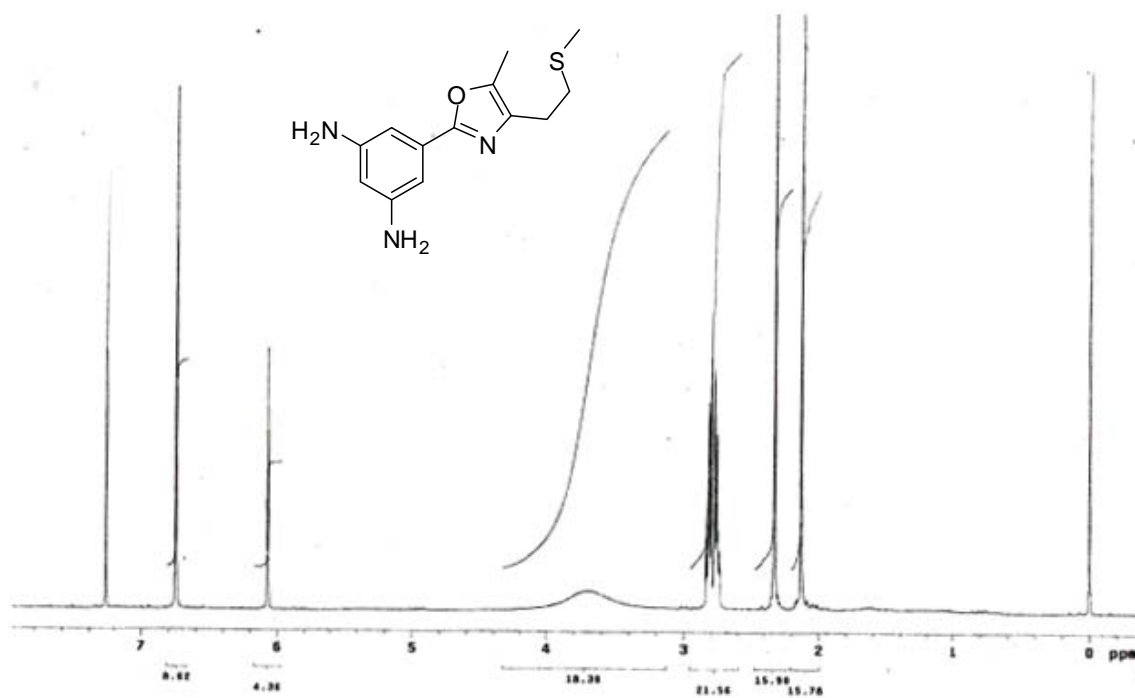


¹H NMR (300 MHz, CDCl₃)

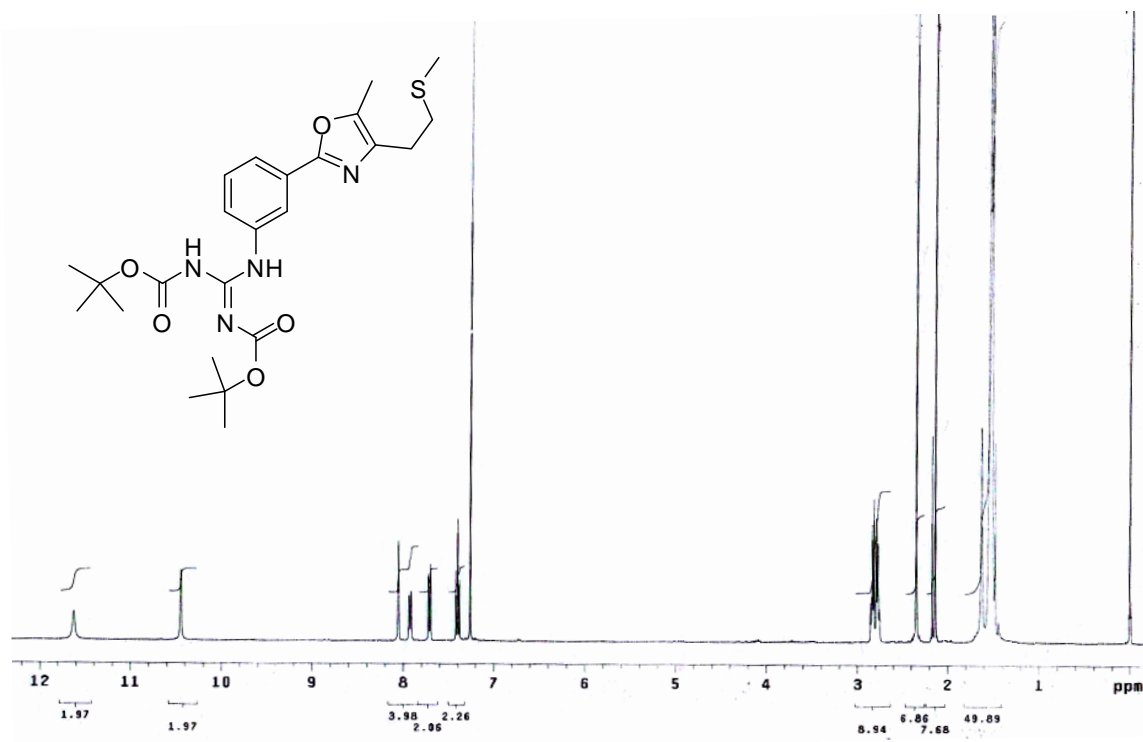


¹³C NMR (75 MHz, CDCl₃)

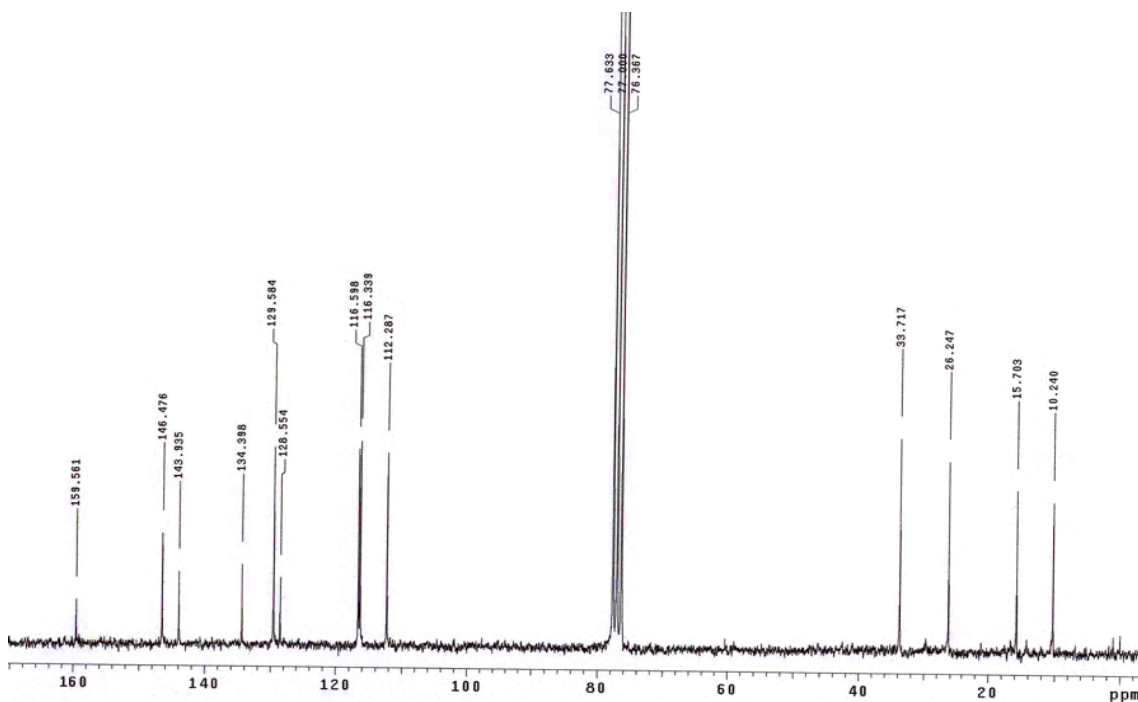
5-(5-methyl-4-(2-(methyl thio) ethyl) oxazol-2-yl) benzene-1, 3-diamine (6c):



(E)-tert-butyl (tert-butoxycarbonylamino) (3-(5-methyl-4-(2-(methylthio) ethyl) oxazol-2-yl)phenylamino)methylenecarbamate (8a):

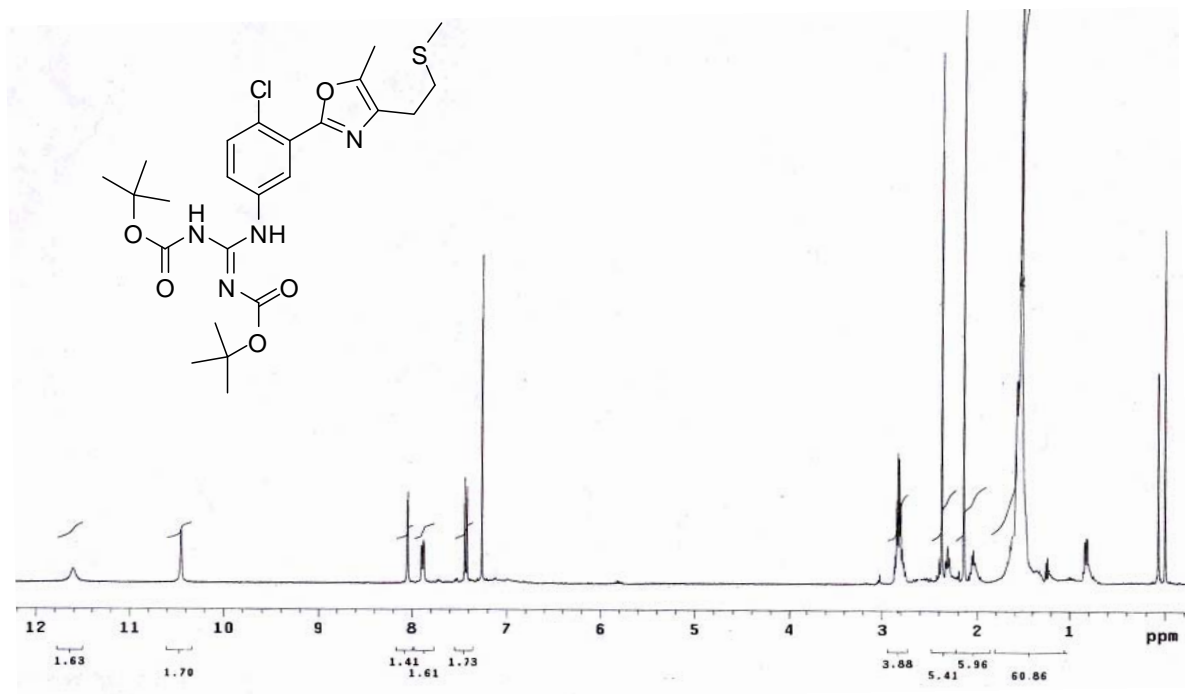


¹H NMR (300 MHz, CDCl₃)

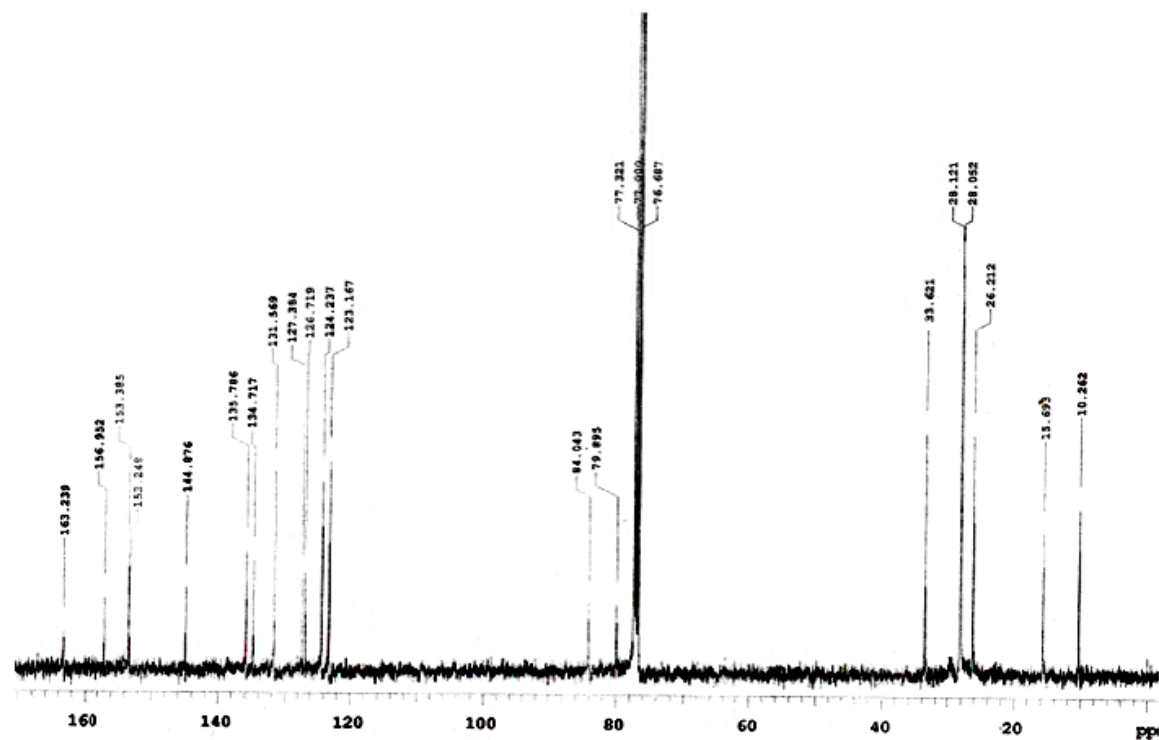


¹³C NMR (75 MHz, CDCl₃)

(E)-tert-butyl (tert-butoxycarbonylamino)(4-chloro-3-(5-methyl-4-(2-(methylthio) ethyl) oxazol-2-yl) phenyl amino) methylene carbamate (8b):

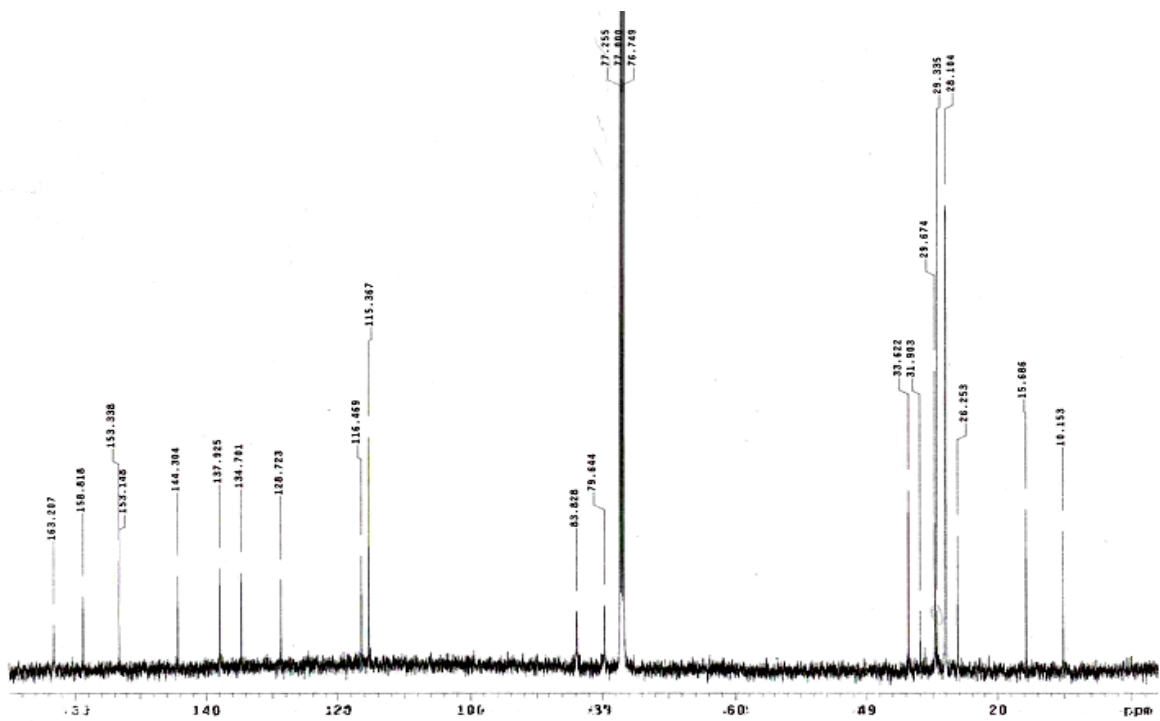
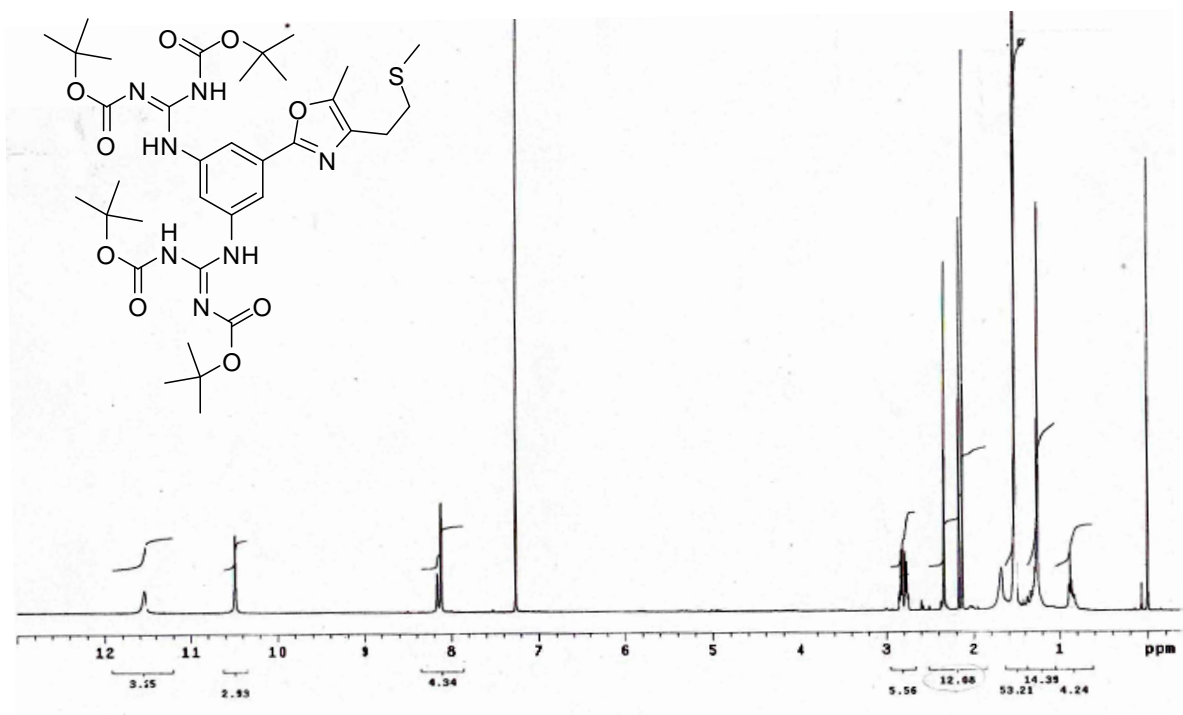


$^1\text{H NMR}$ (300 MHz, CDCl_3)

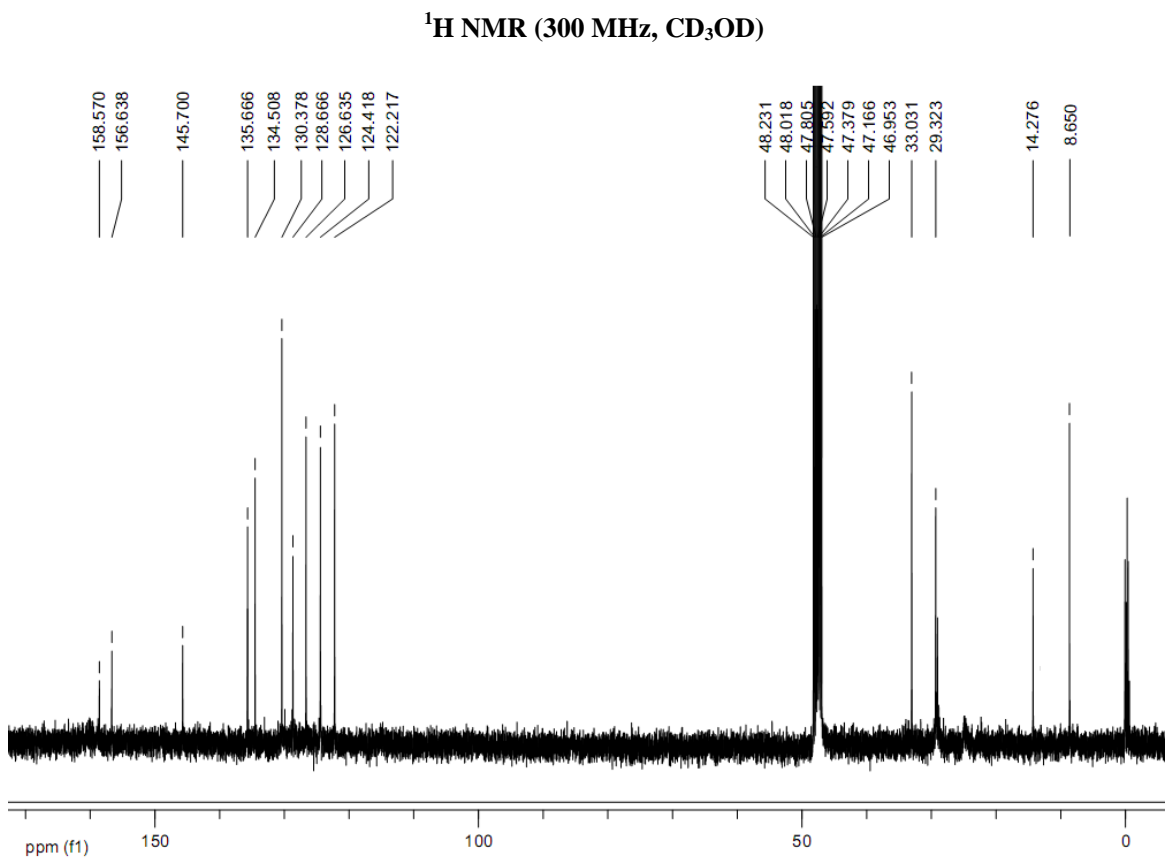
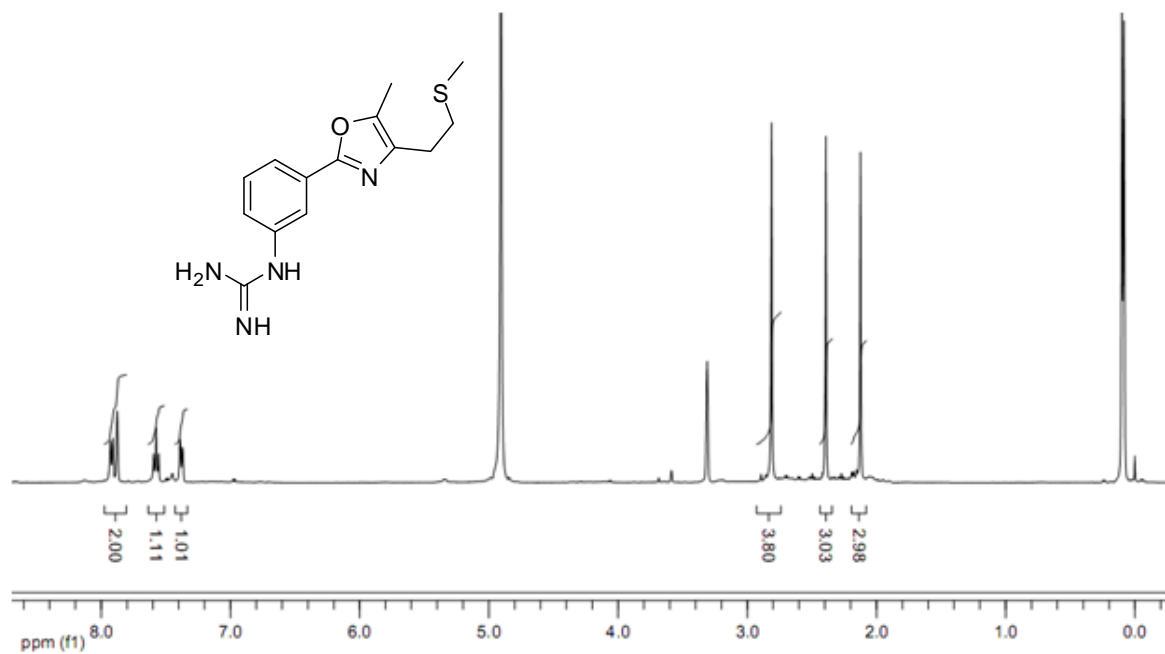


$^{13}\text{C NMR}$ (75 MHz, CDCl_3)

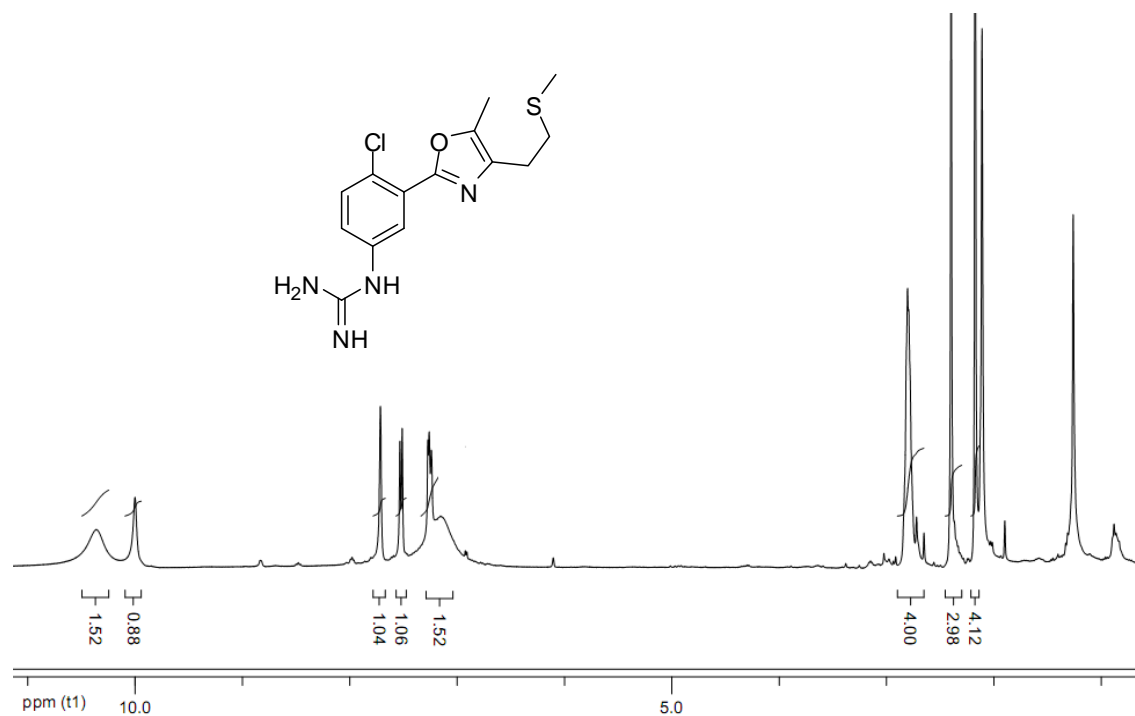
Tert-butyl (5-(5-methyl-4-(2-(methylthio) ethyl) oxazol-2-yl)-1, 3-phenylene) bis (azanediy) bis ((tert-butoxycarbonylamino) methan-1-yl-1-ylidene) dicarbamate (8c):



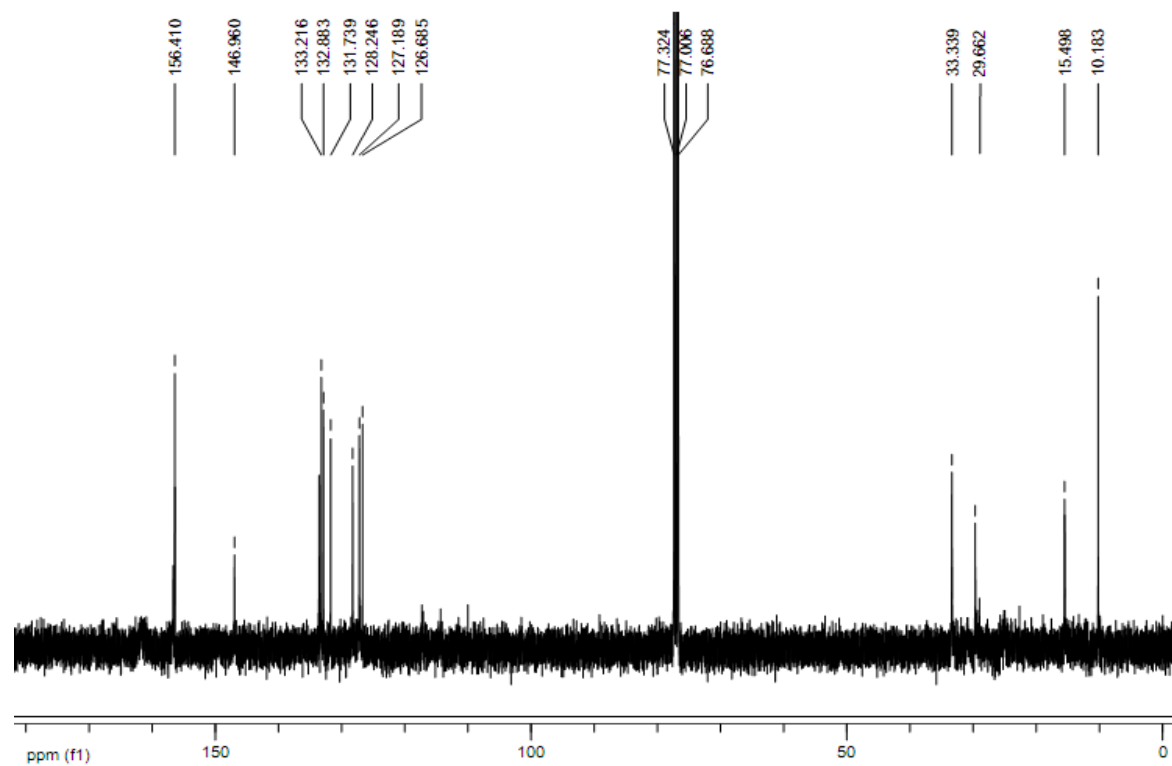
1-(3-(5-Methyl-4-(2-(methylthio) ethyl) oxazol-2-yl) phenyl) guanidine (9a):



1-(4-chloro-3-(5-methyl-4-(2-(methyl thio) ethyl) oxazol-2-yl) phenyl) guanidine (9b):

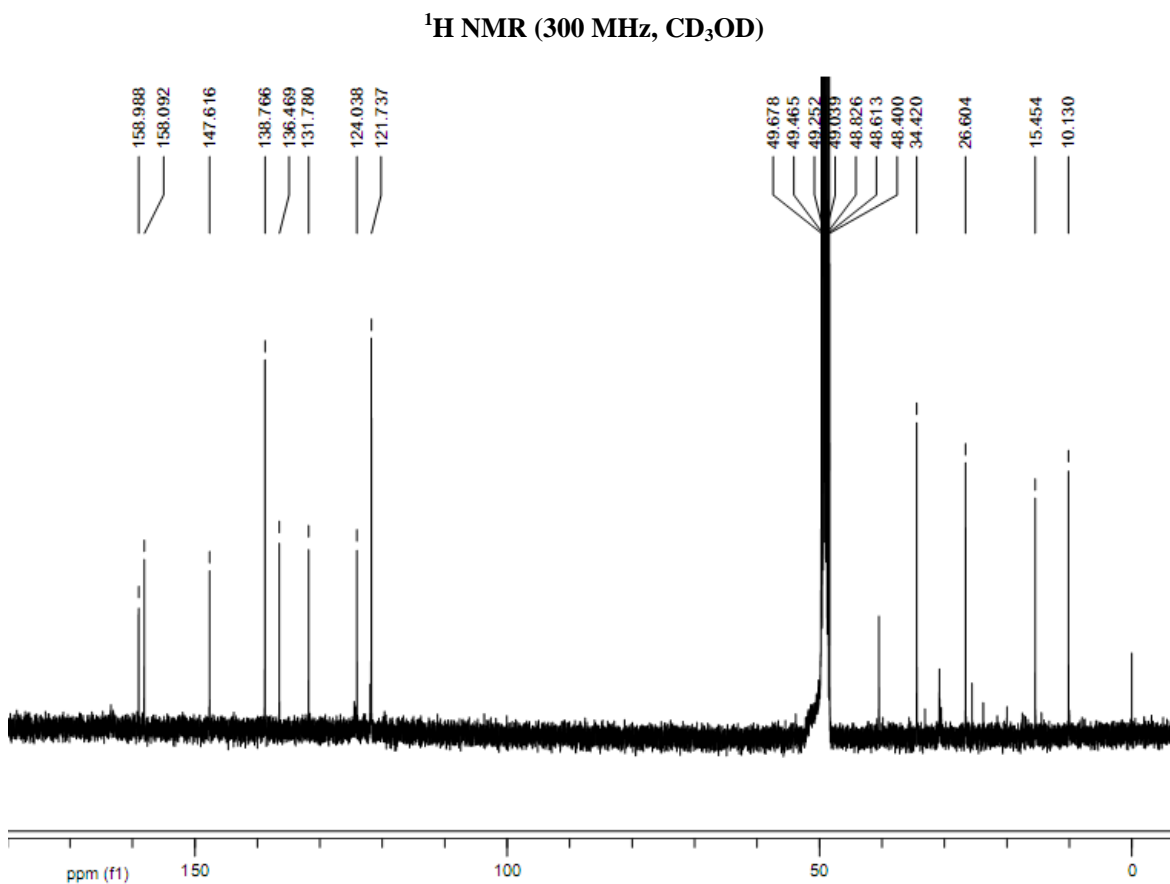
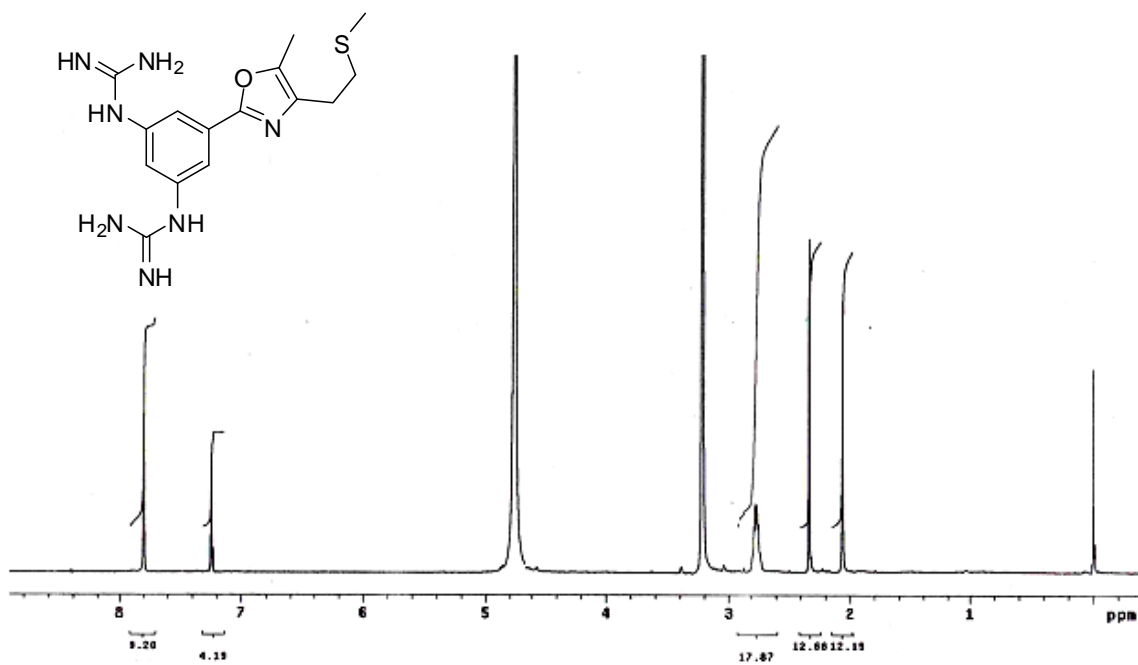


¹H NMR (300 MHz, CDCl₃)

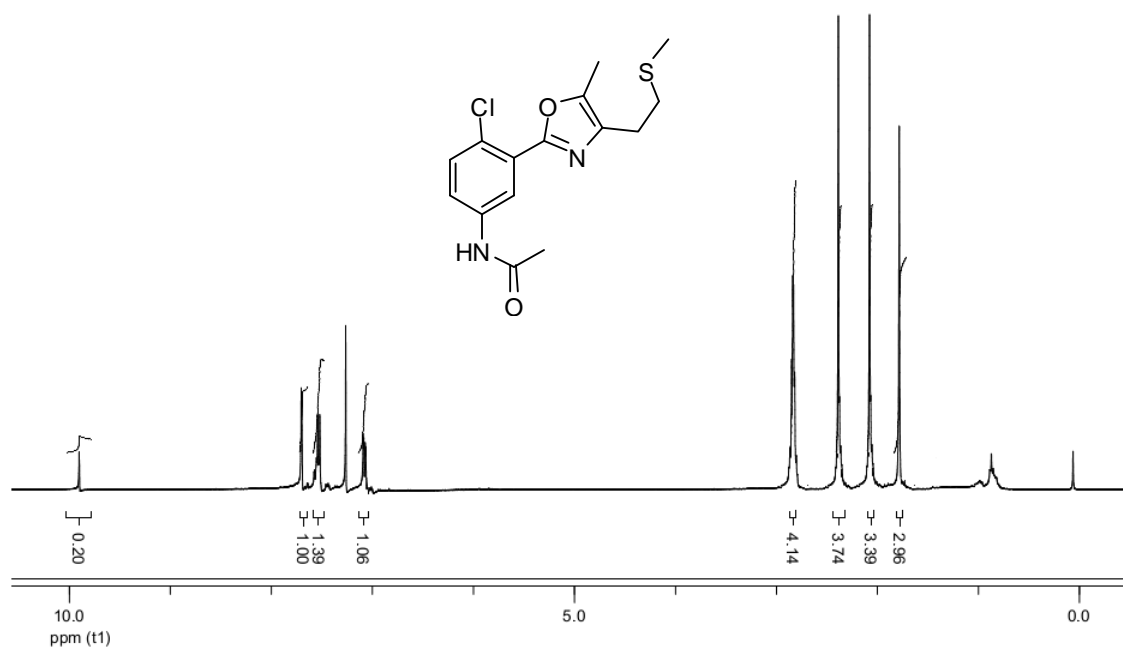


¹³C NMR (75 MHz, CDCl₃)

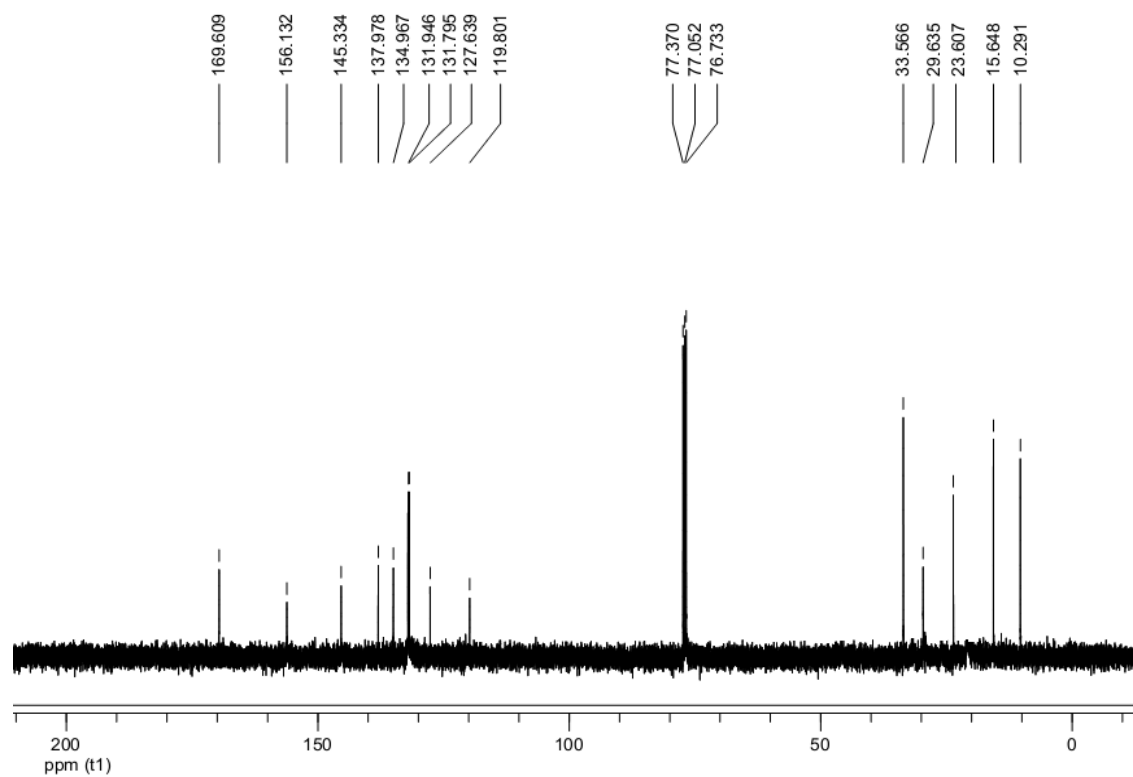
1, 1'-(5-(5-methyl-4-(2-(methylthio) ethyl) oxazol-2-yl)-1, 3-phenylene) diguanidine (9c):



N-(4-chloro-3-(5-methyl-4-(2-(methylthio) ethyl) oxazol-2-yl) phenyl) acetamide (10):

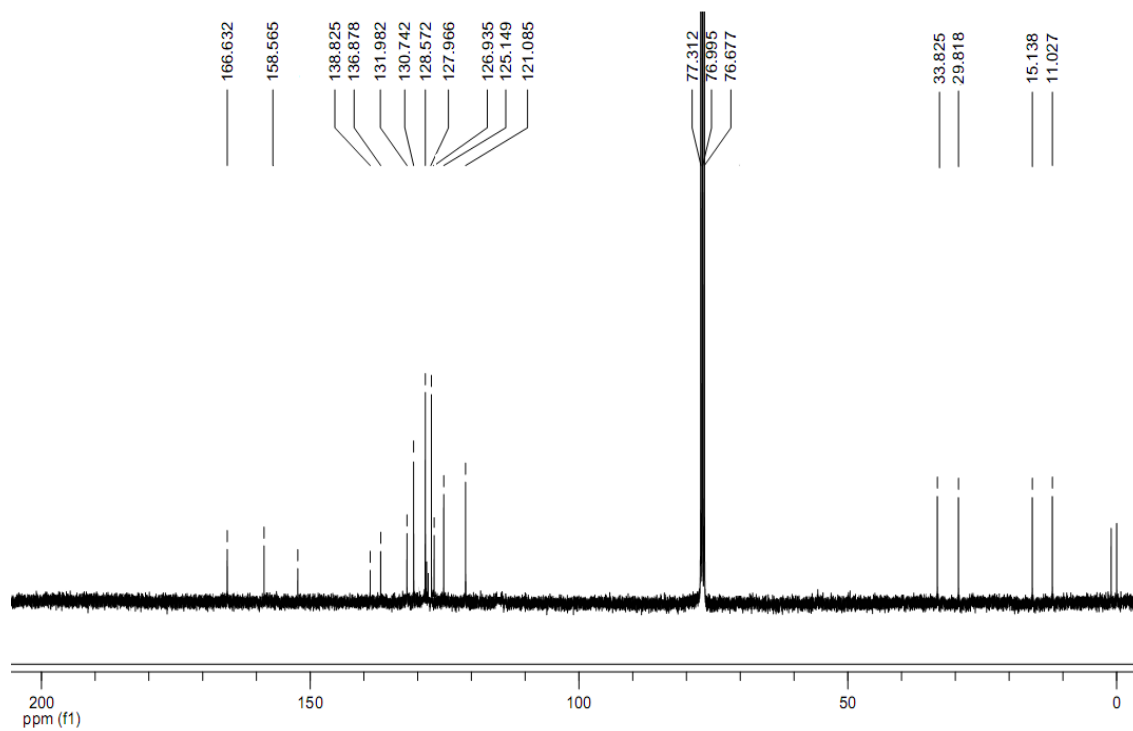
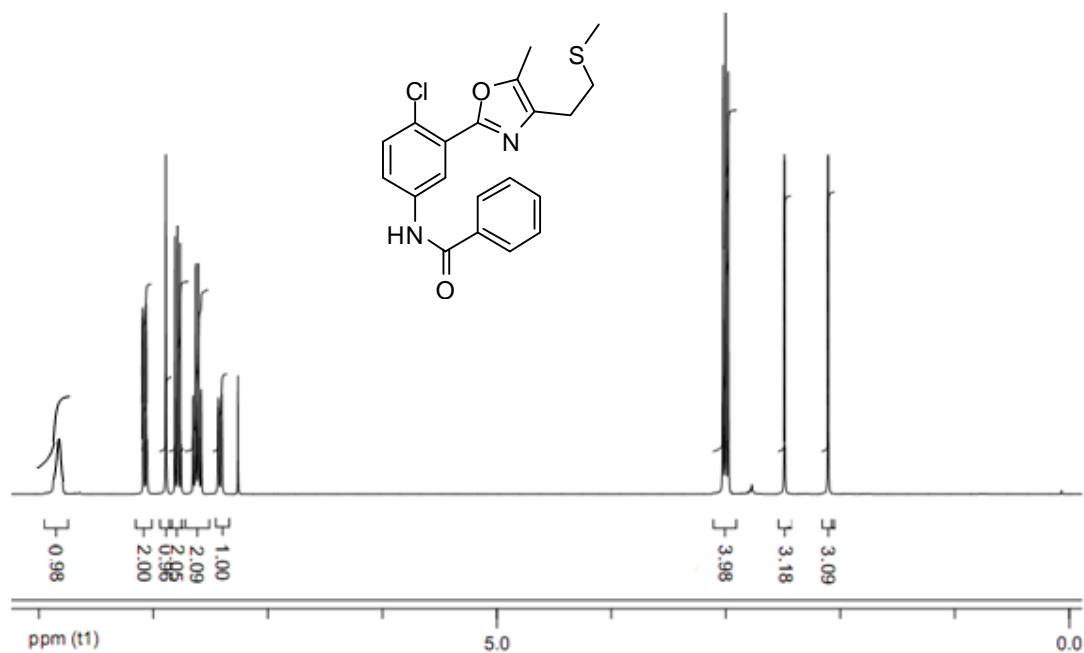


¹H NMR (300 MHz, CDCl₃)

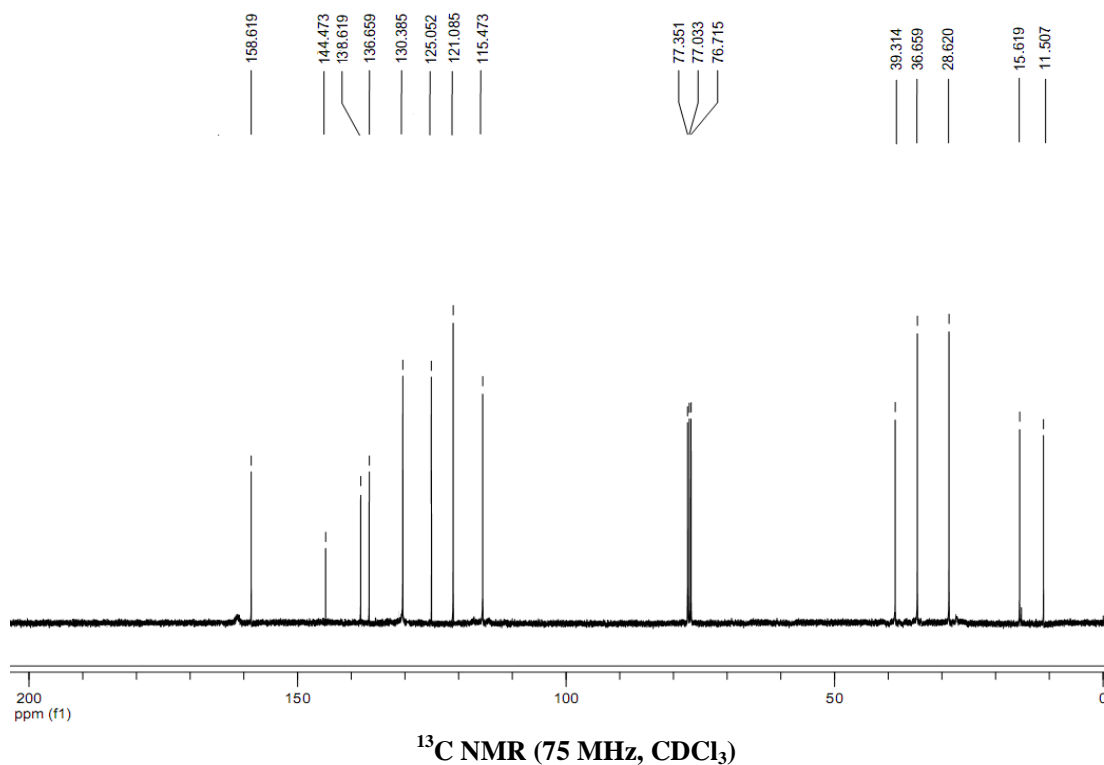
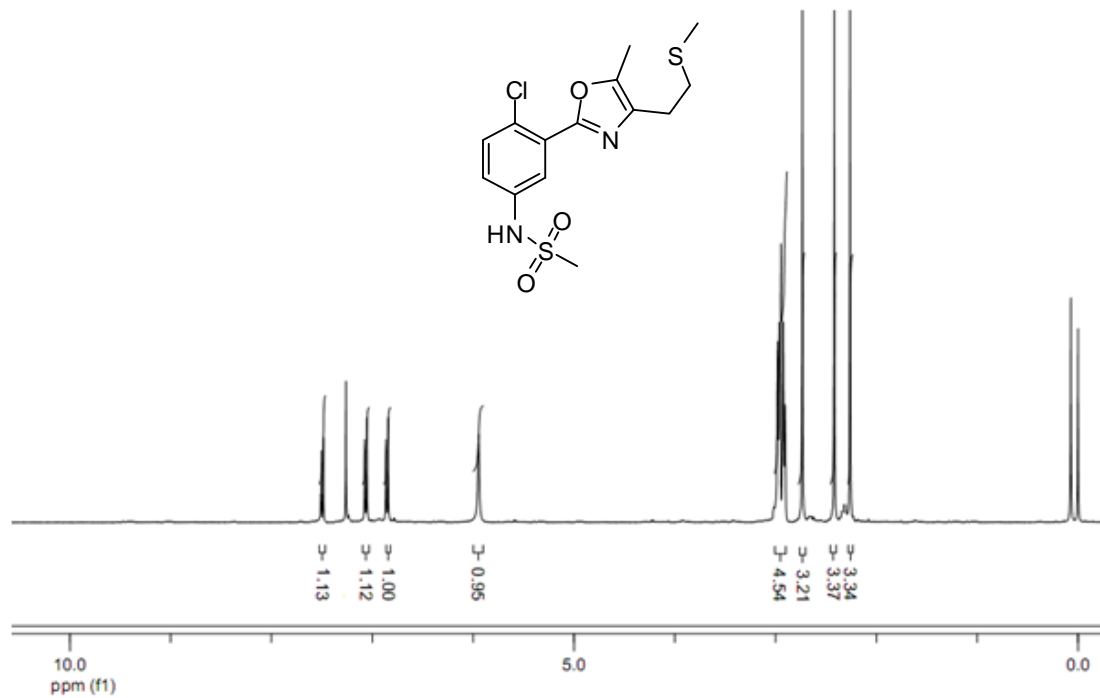


¹³C NMR (75 MHz, CDCl₃)

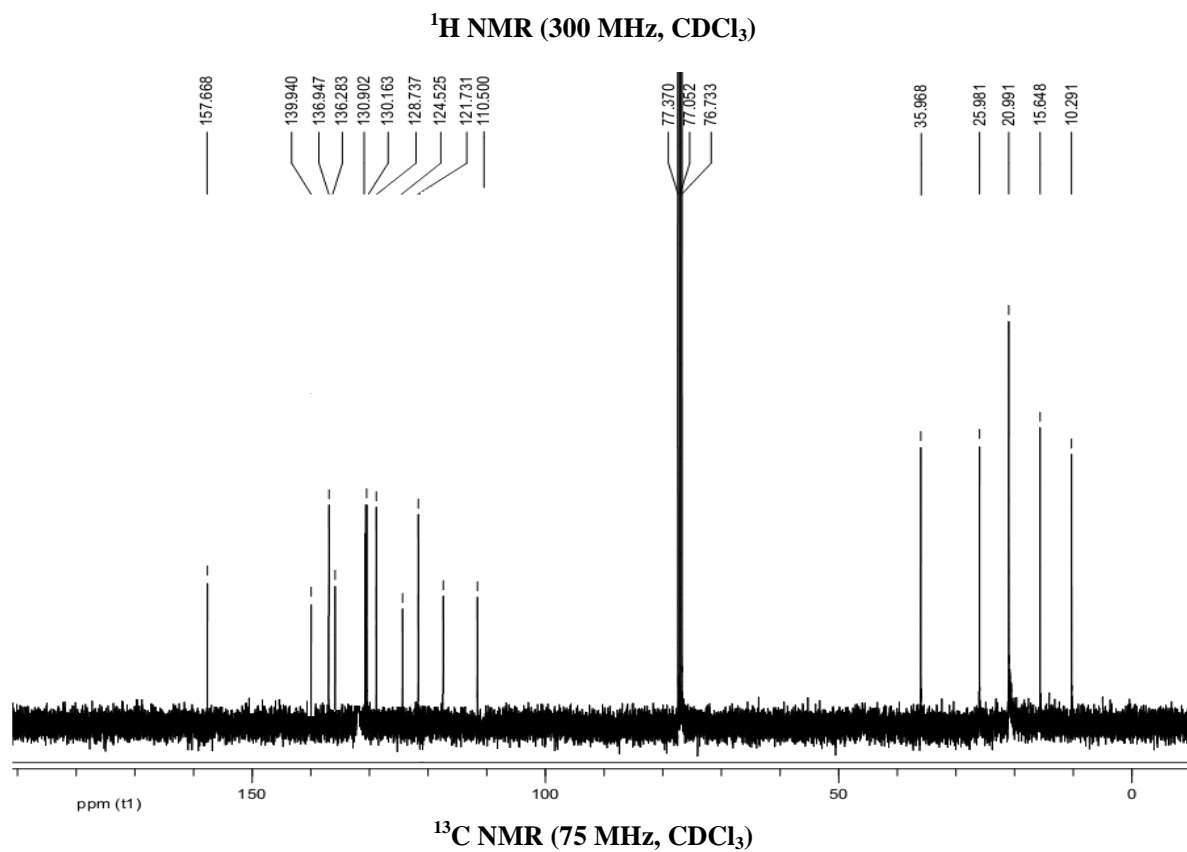
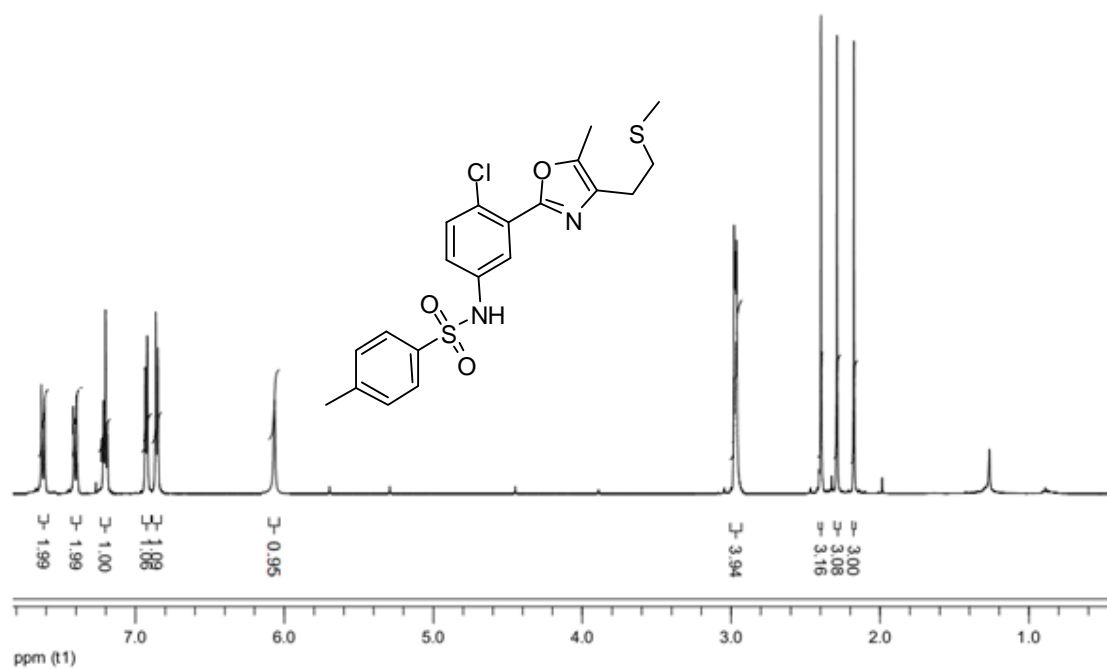
N-(4-chloro-3-(5-methyl-4-(2-(methylthio)ethyl)oxazol-2-yl)phenyl)benzamide (11):



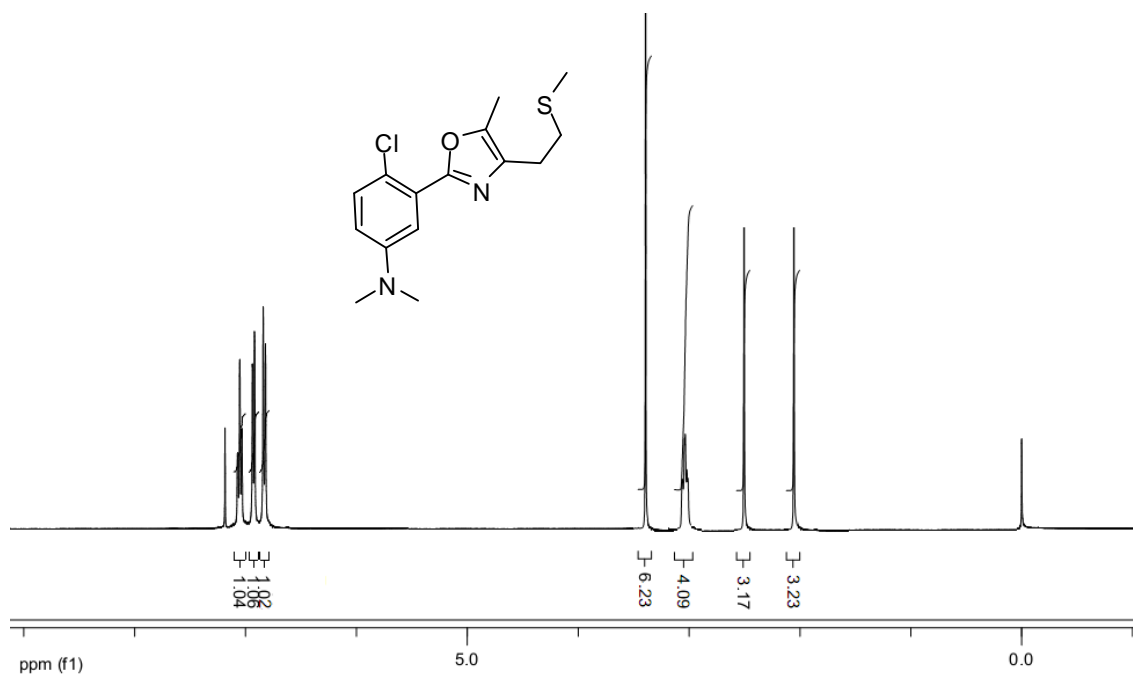
**N-(4-chloro-3-(5-methyl-4-(2-(methylthio)ethyl)oxazol-2-yl)phenyl)methanesulfonamide
(12)**



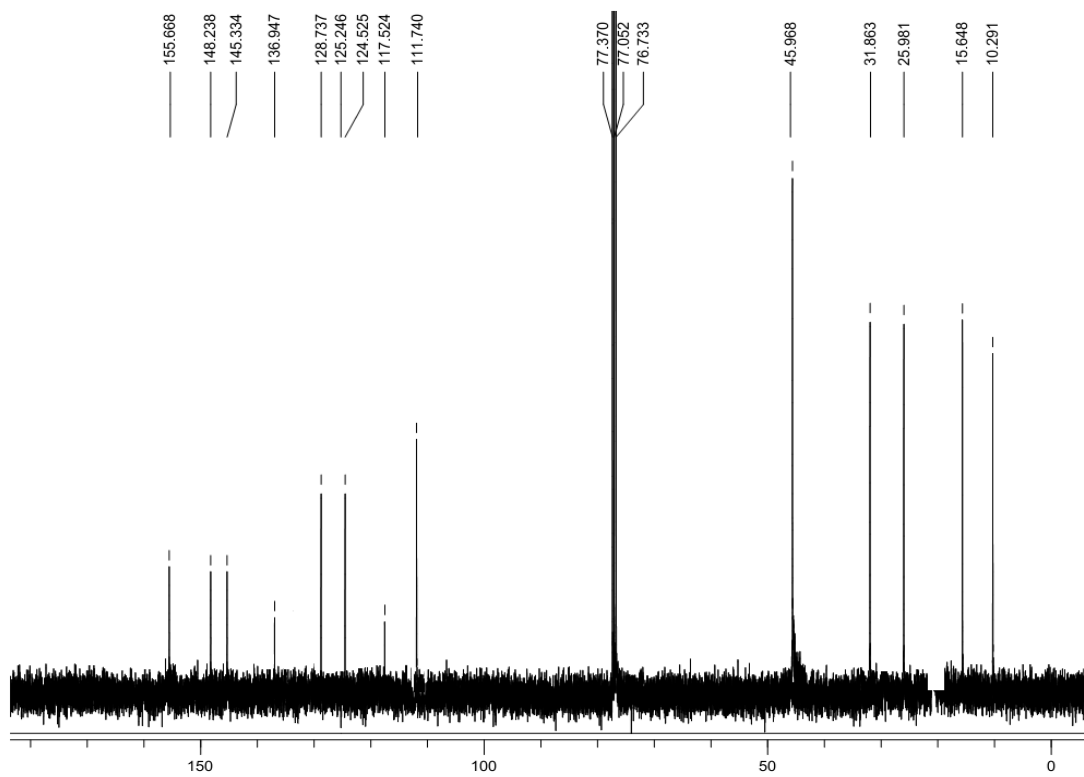
N-(4-chloro-3-(5-methyl-4-(2-(methyl thio) ethyl) oxazol-2-yl) phenyl)-4-methyl benzene sulphonamide (13):



4-chloro-N, N-dimethyl-3-(5-methyl-4-(2-(methylthio) ethyl) oxazol-2-yl) aniline (14):



¹H NMR (300 MHz, CDCl₃)



¹³C NMR (75 MHz, CDCl₃)