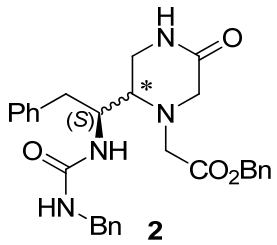
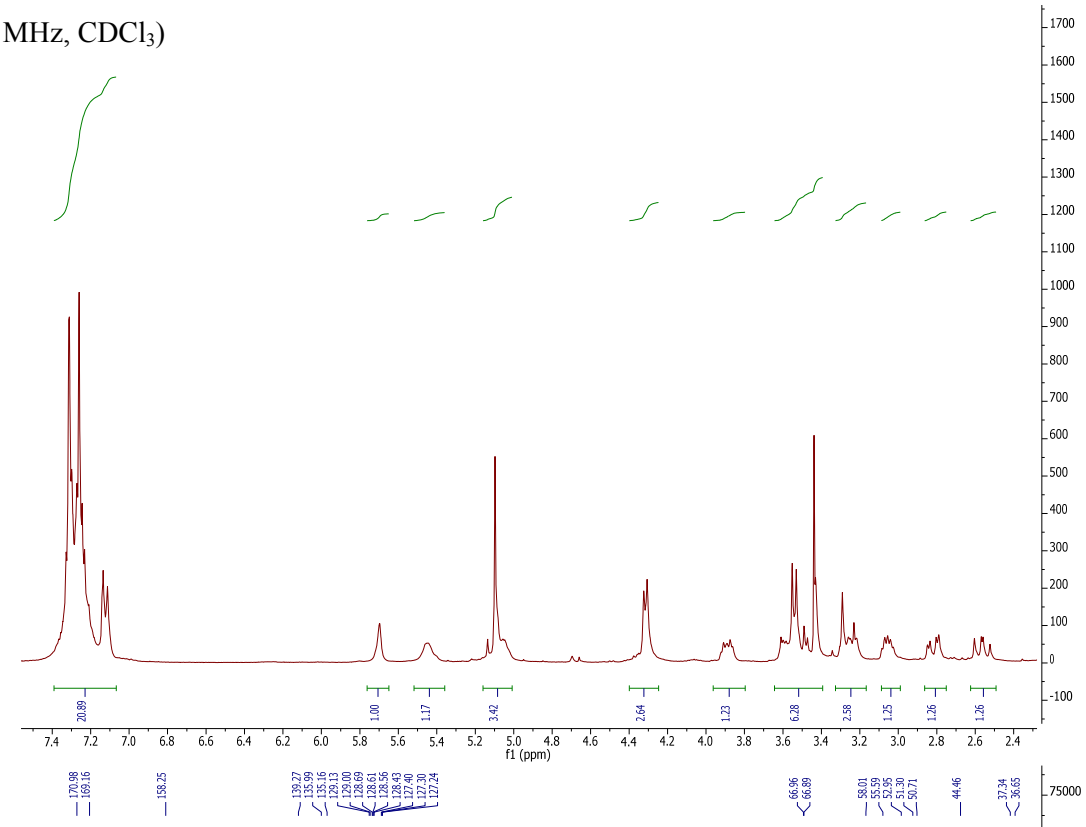
Supplementary Material

Spectra (^{1}H-NMR and ^{13}C-NMR) of New Compounds

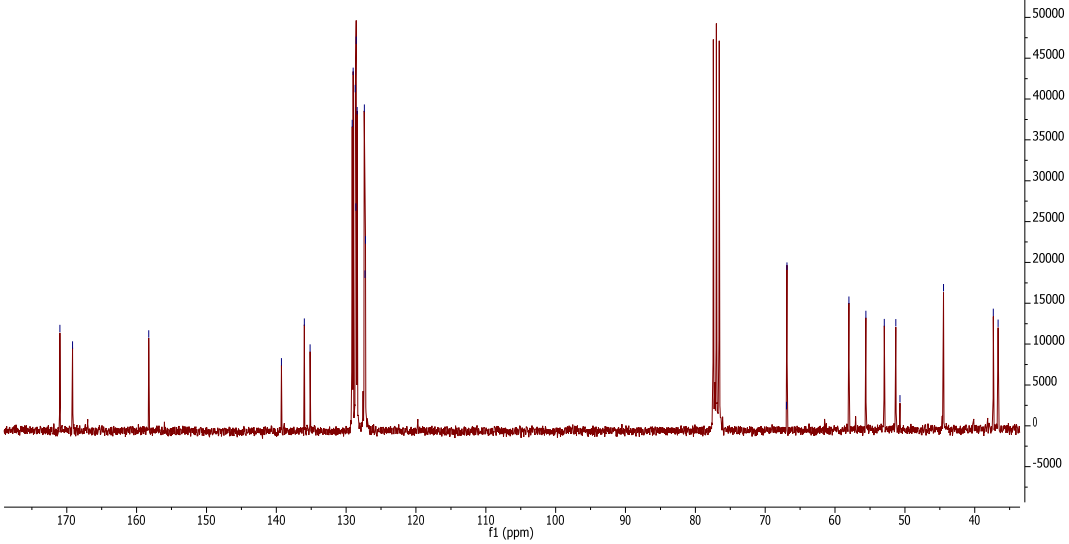


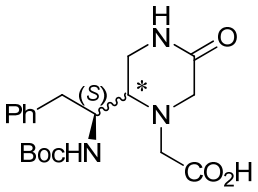
2

2 (300 MHz, $CDCl_3$)



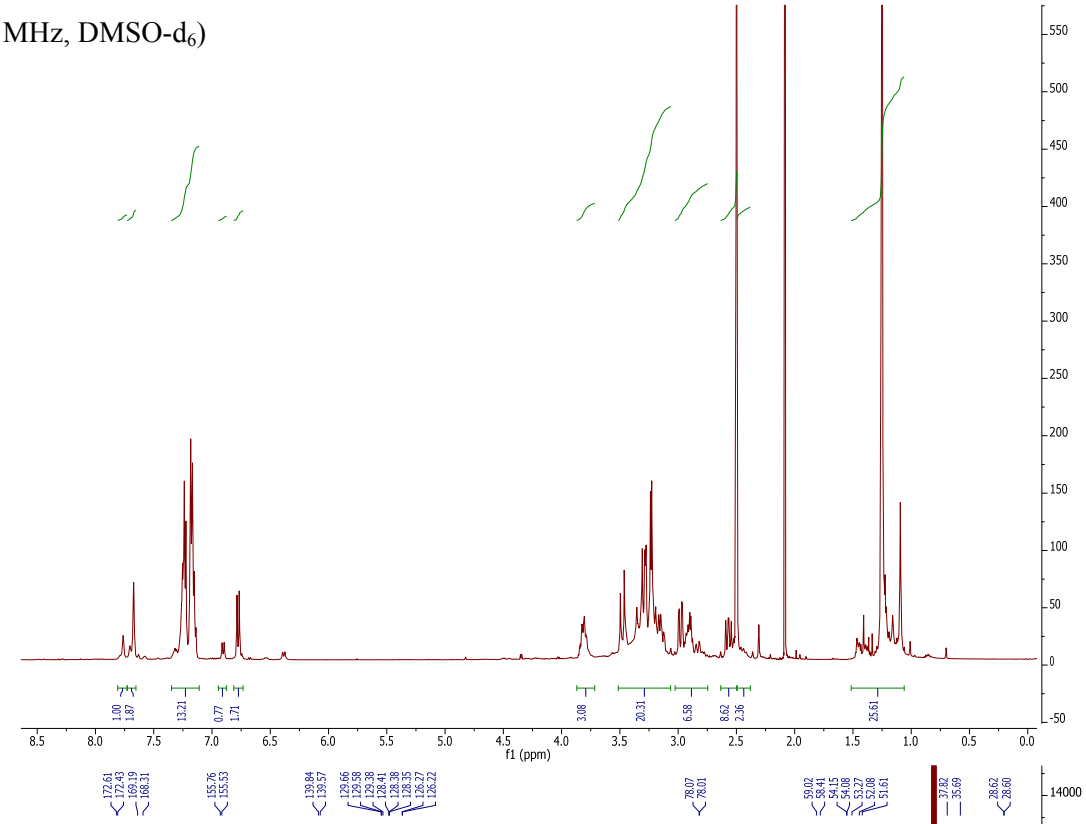
2 (75 MHz, $CDCl_3$)



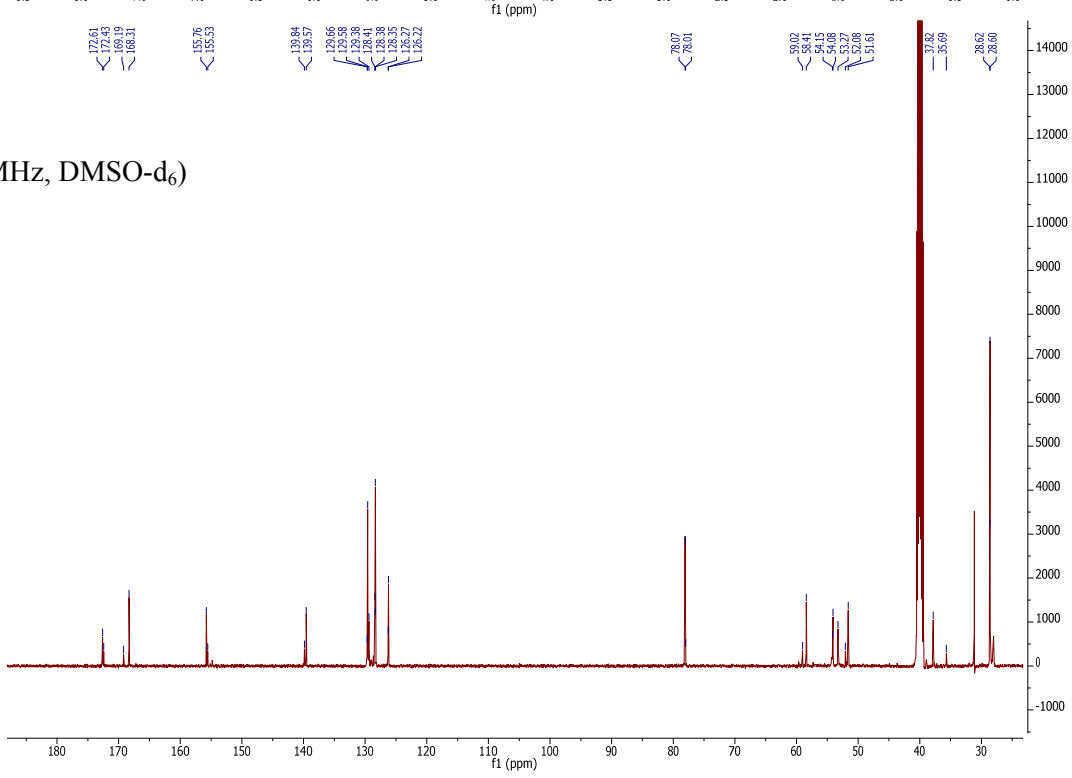


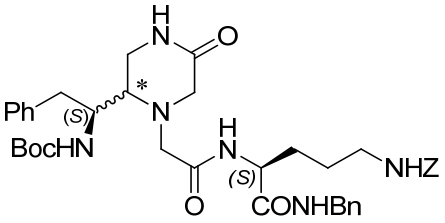
4

4 (500 MHz, DMSO-d_6)



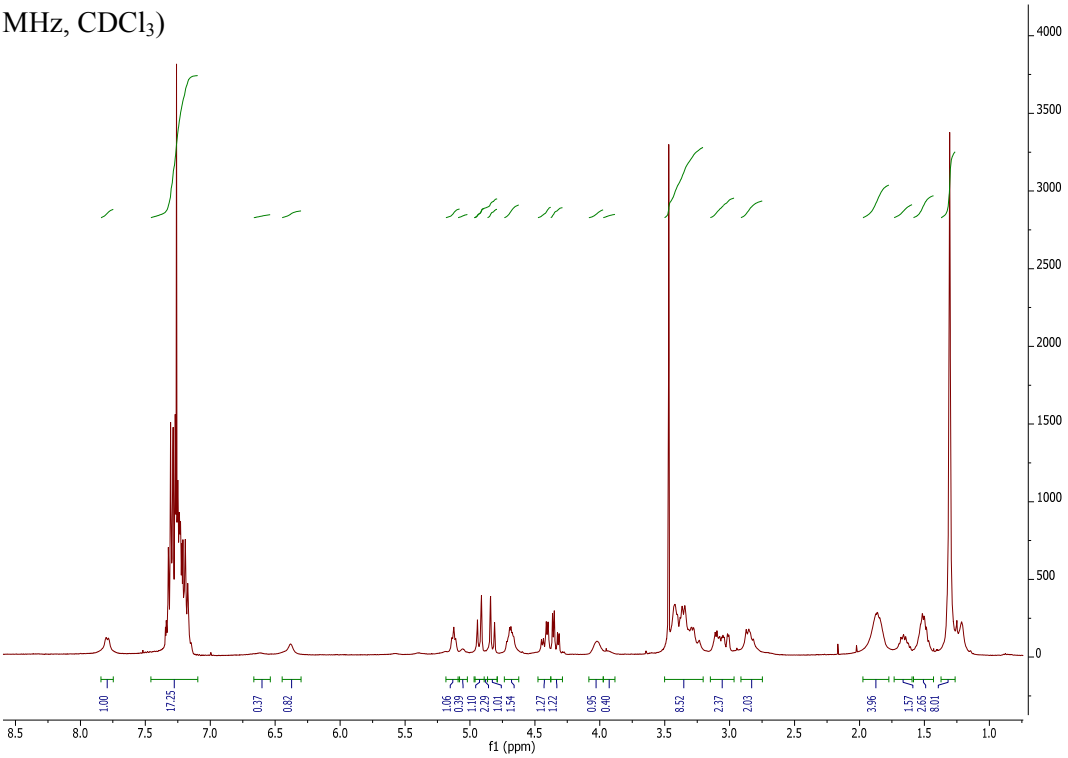
4 (125 MHz, DMSO-d_6)



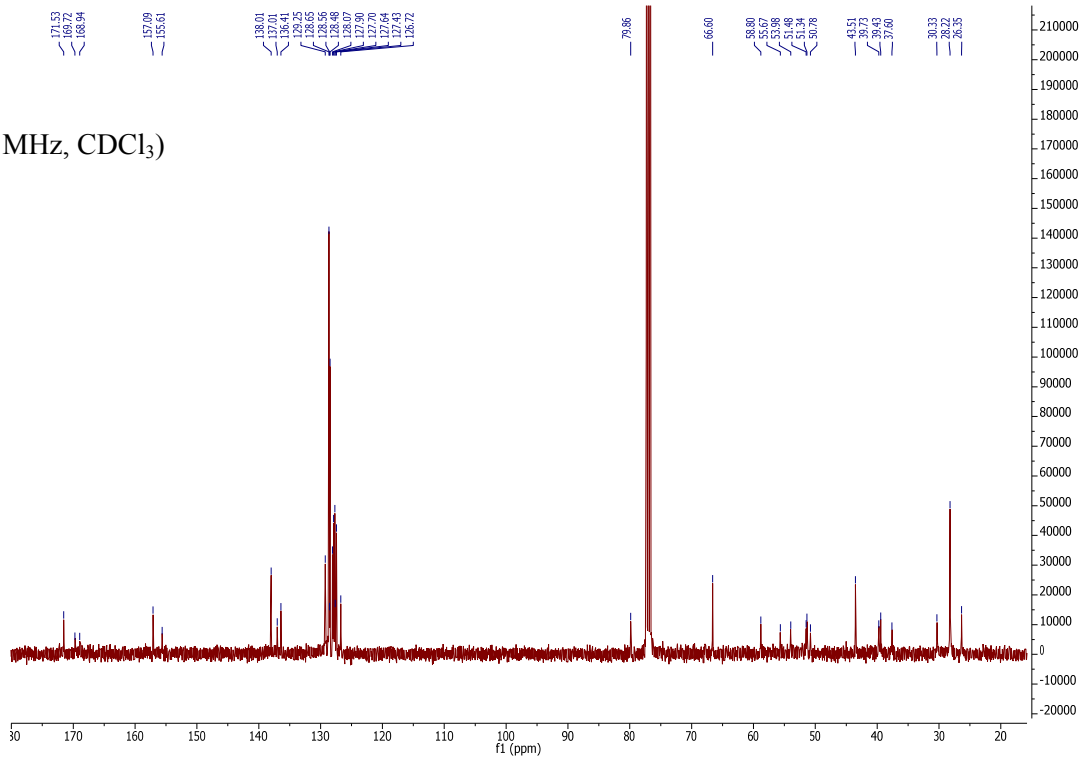


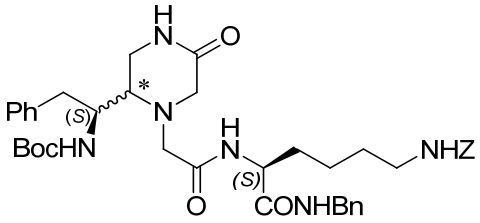
7a

7a (400 MHz, $CDCl_3$)



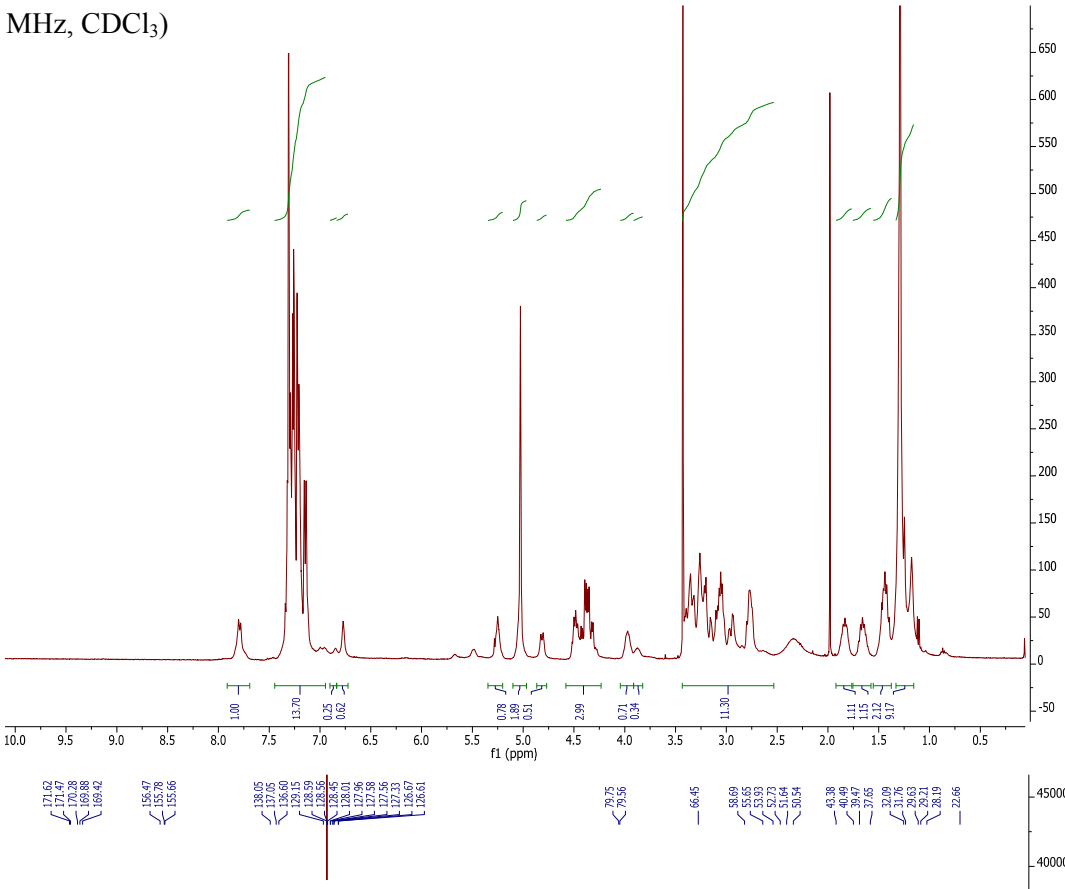
7a (100 MHz, $CDCl_3$)



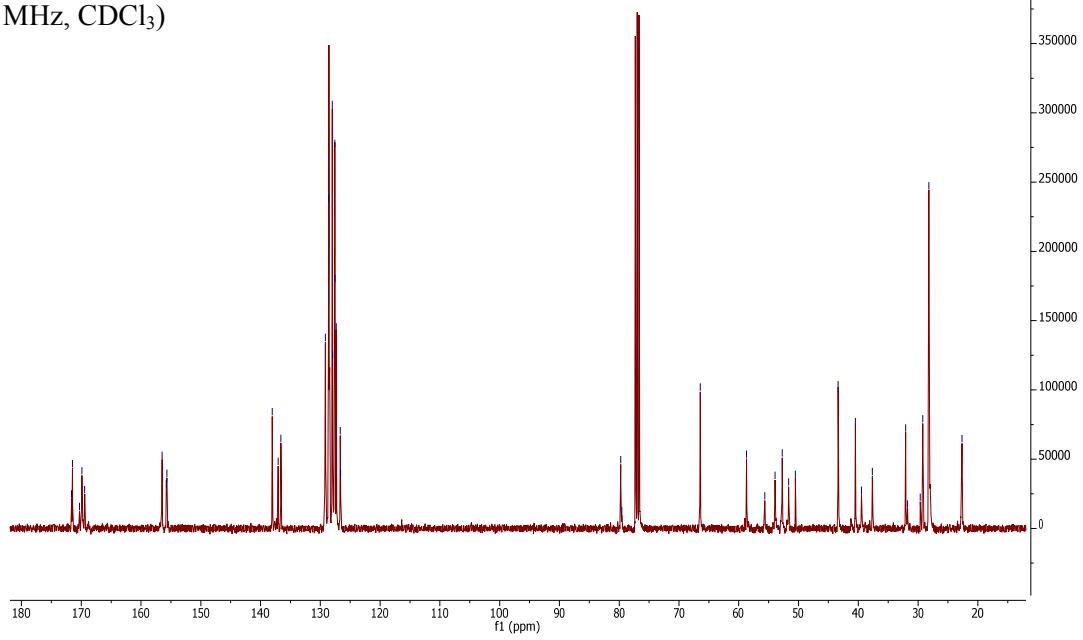


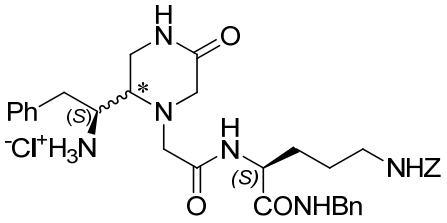
7b

7b (400 MHz, $CDCl_3$)



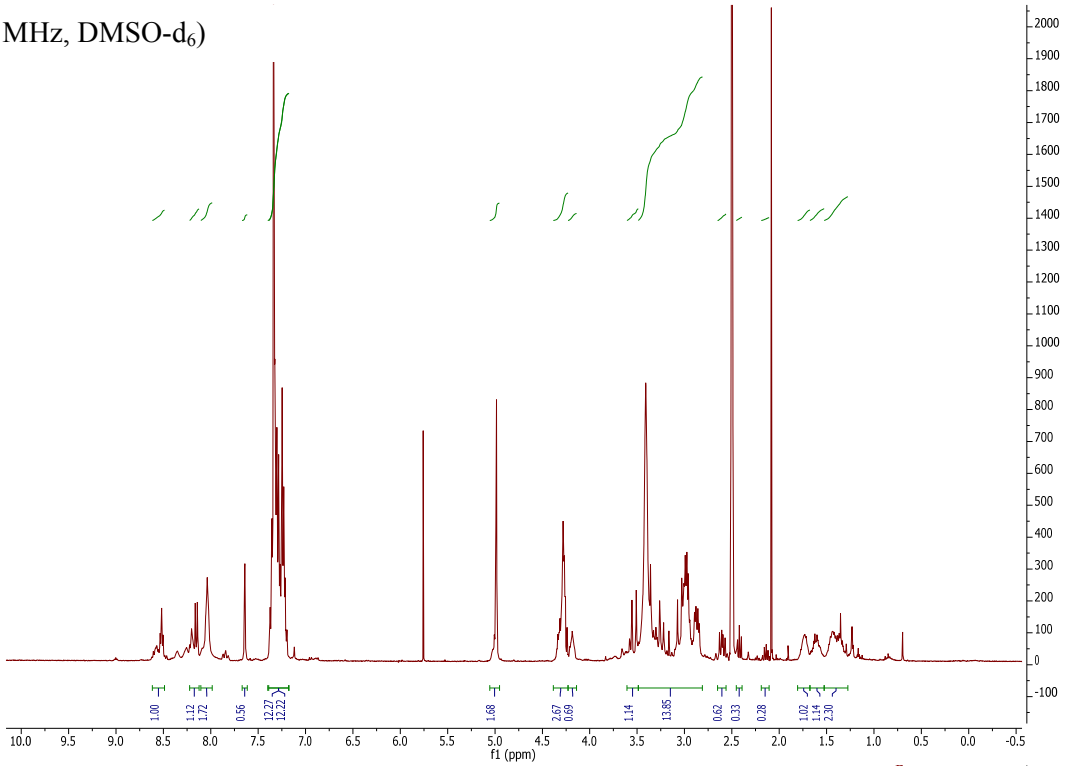
7b (100 MHz, $CDCl_3$)



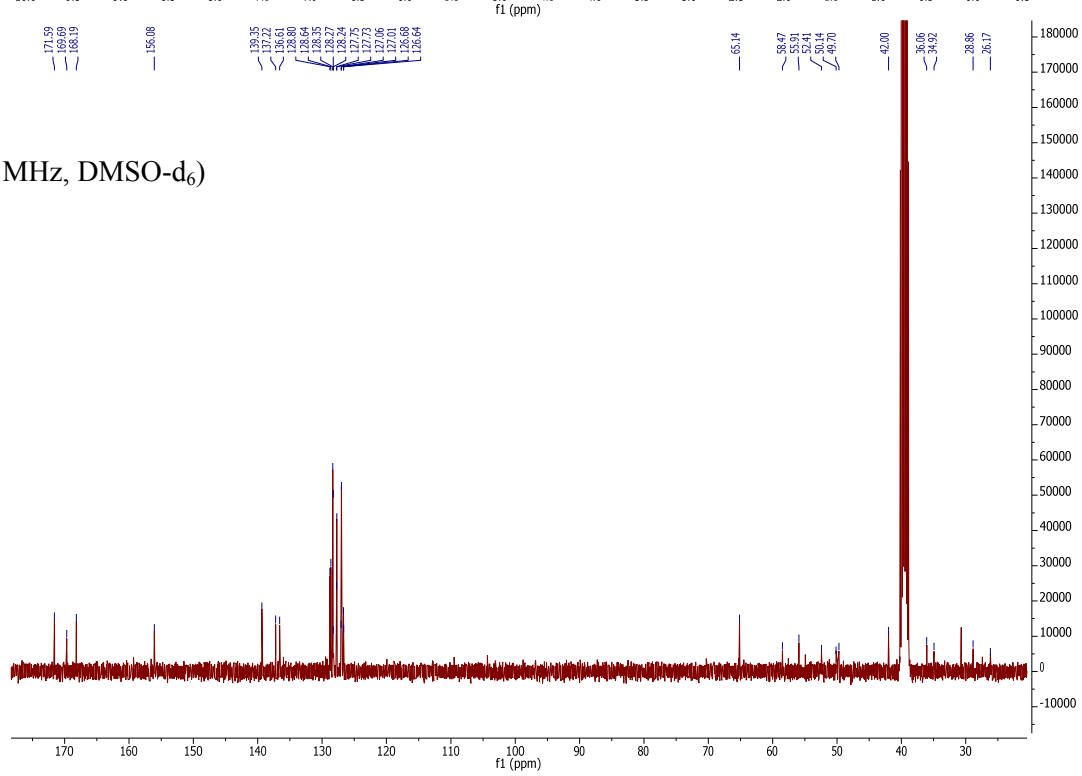


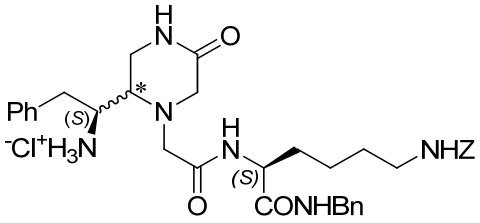
8a

8a (400 MHz, DMSO-d_6)



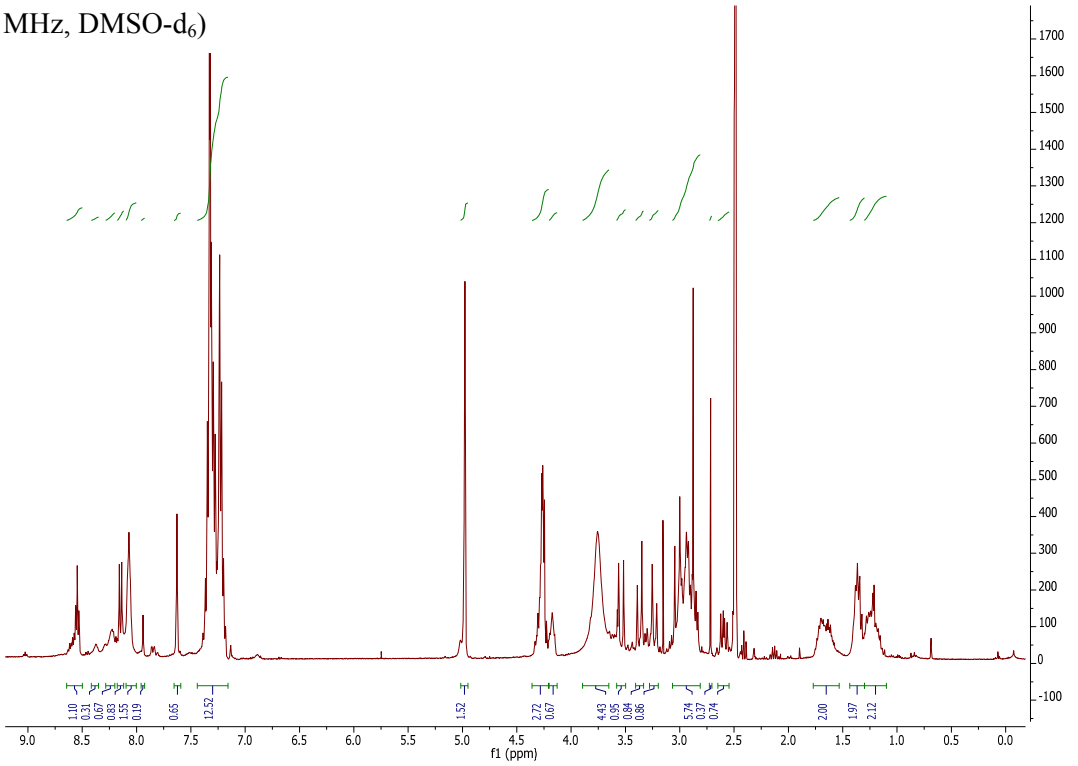
8a (100 MHz, DMSO-d_6)



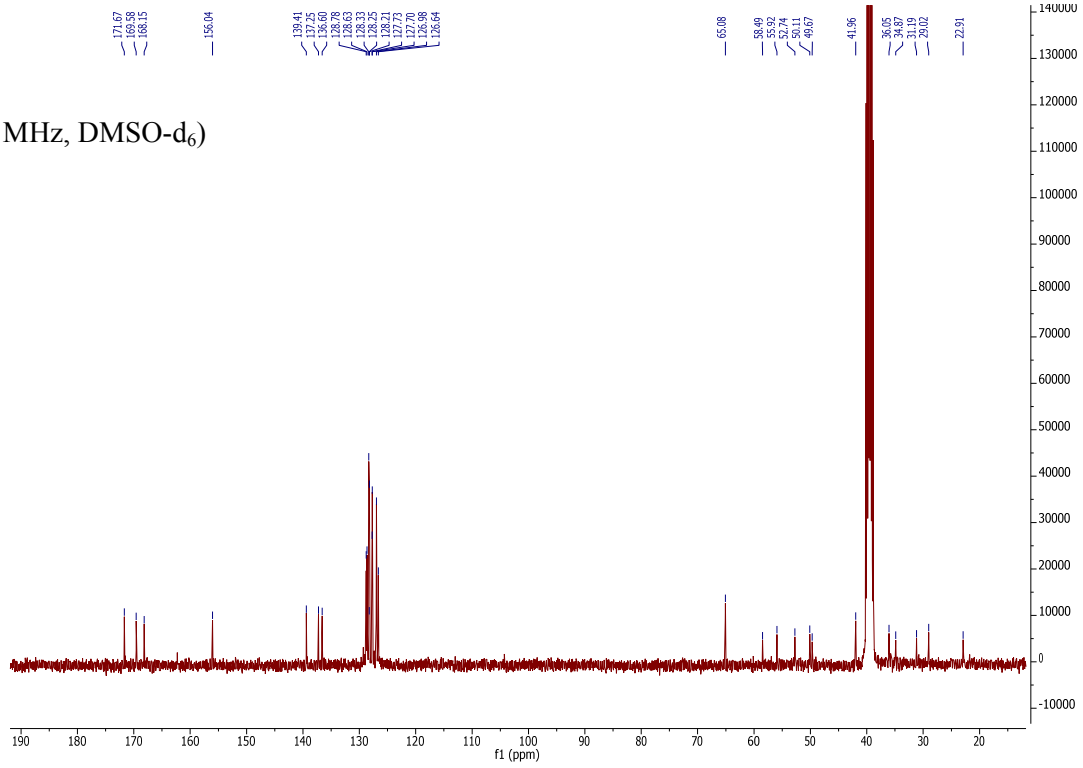


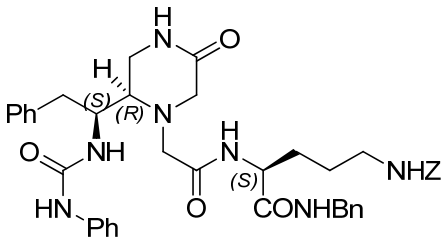
8b

8b (400 MHz, DMSO-d_6)



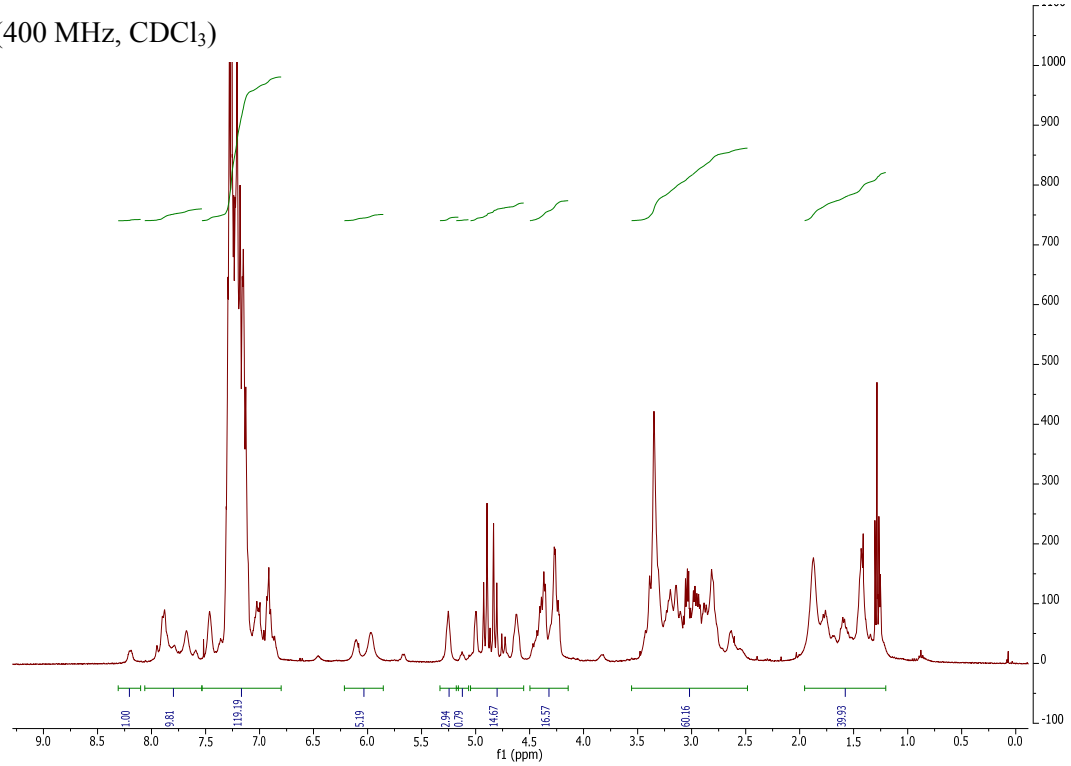
8b (100 MHz, DMSO-d_6)



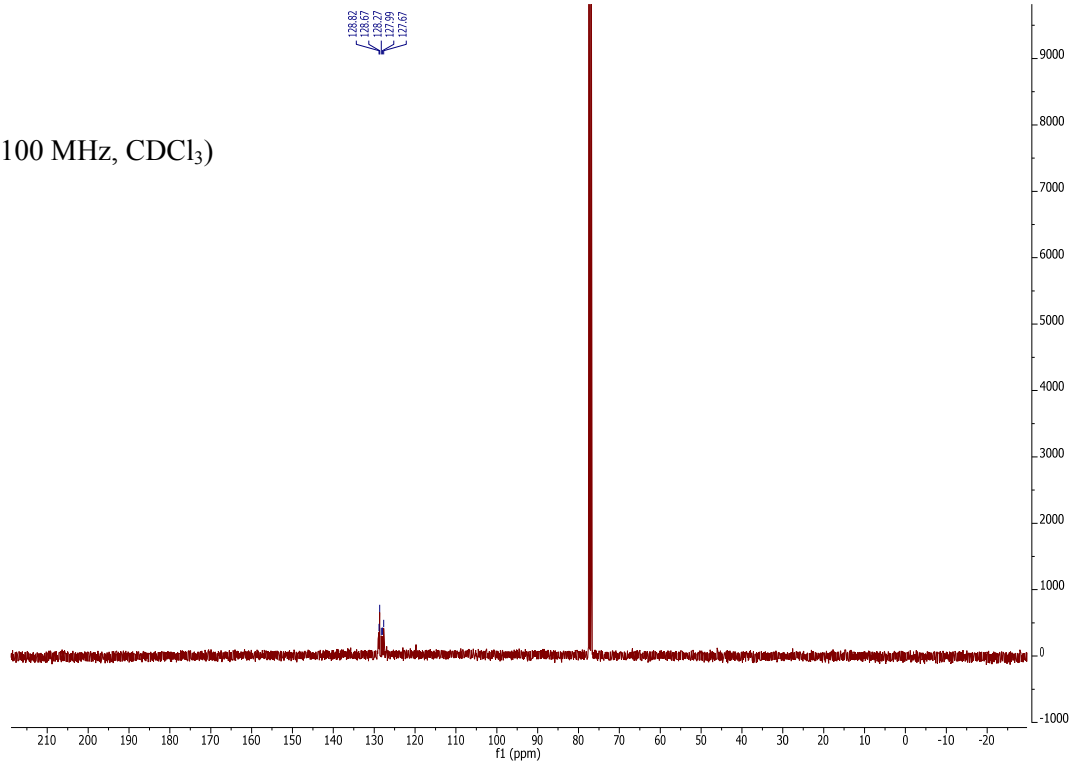


(*R*)-9a

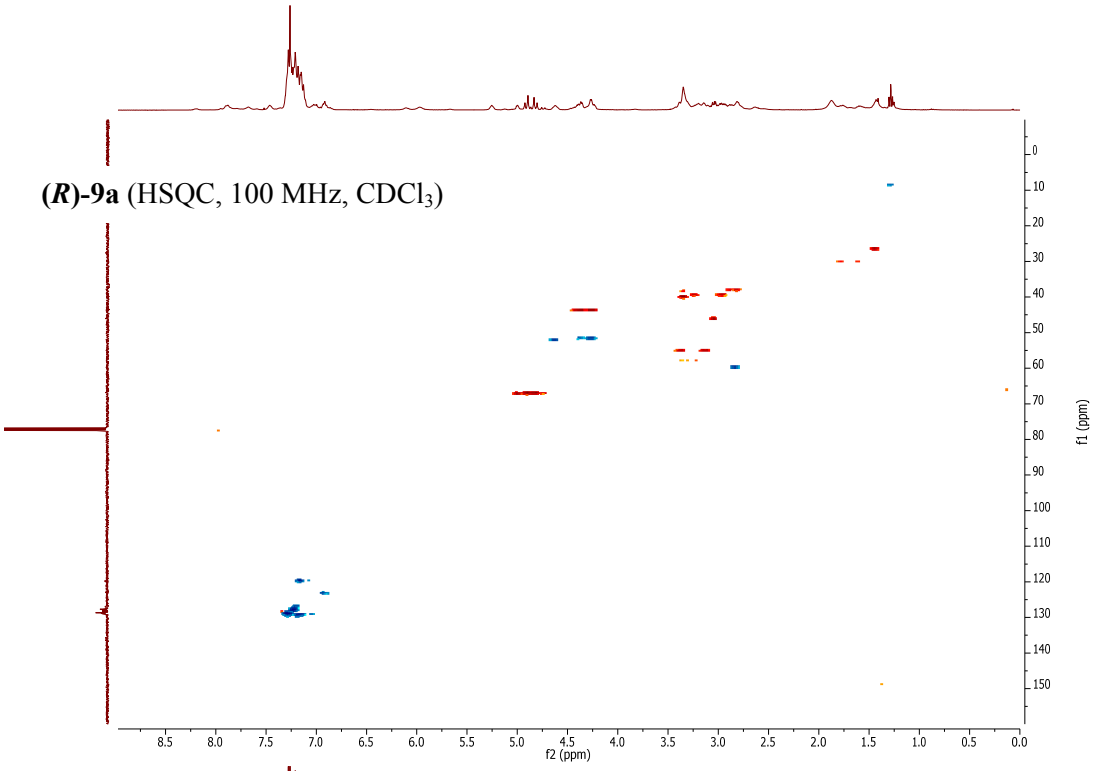
(*R*)-9a (400 MHz, $CDCl_3$)



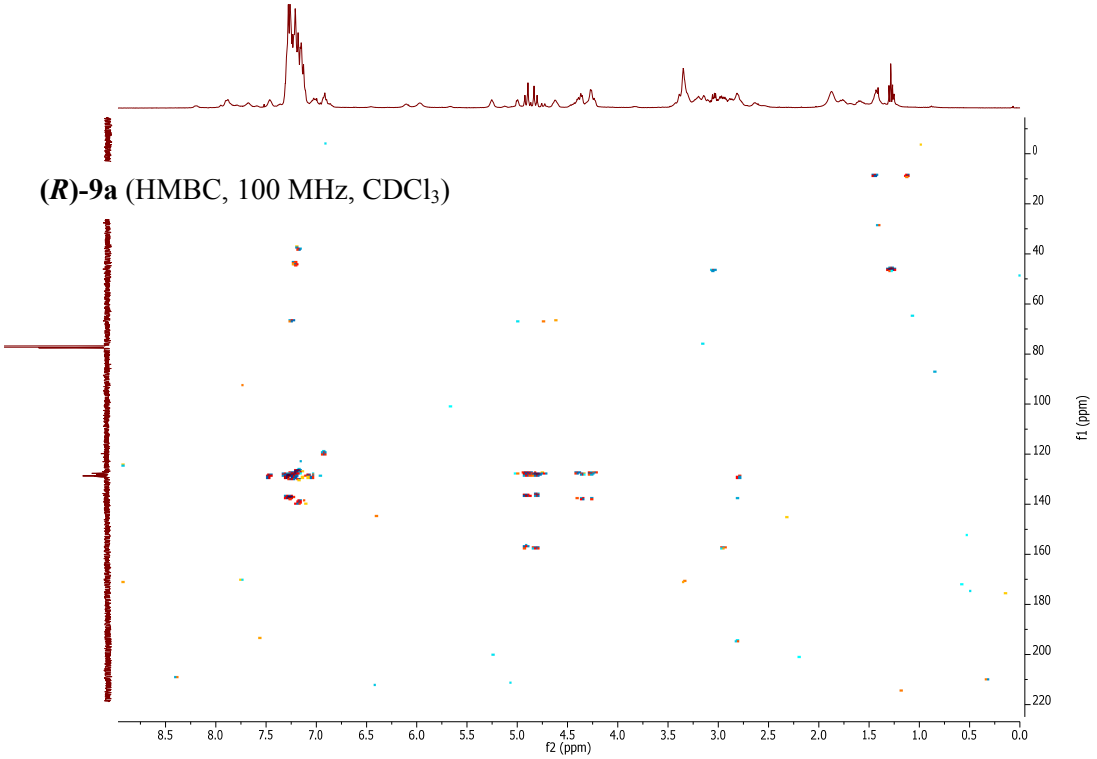
(*R*)-9a (100 MHz, $CDCl_3$)

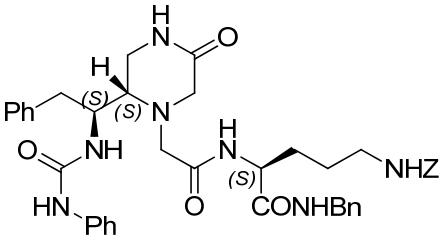


(*R*)-9a (HSQC, 100 MHz, $CDCl_3$)



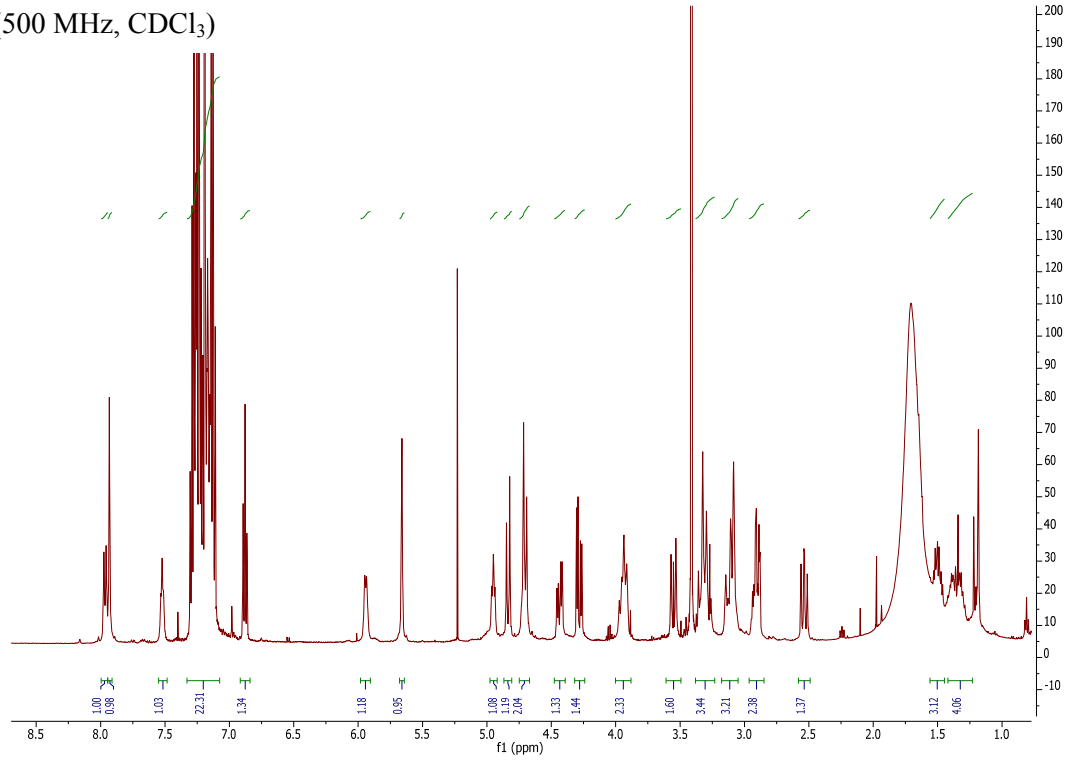
(*R*)-9a (HMBC, 100 MHz, $CDCl_3$)



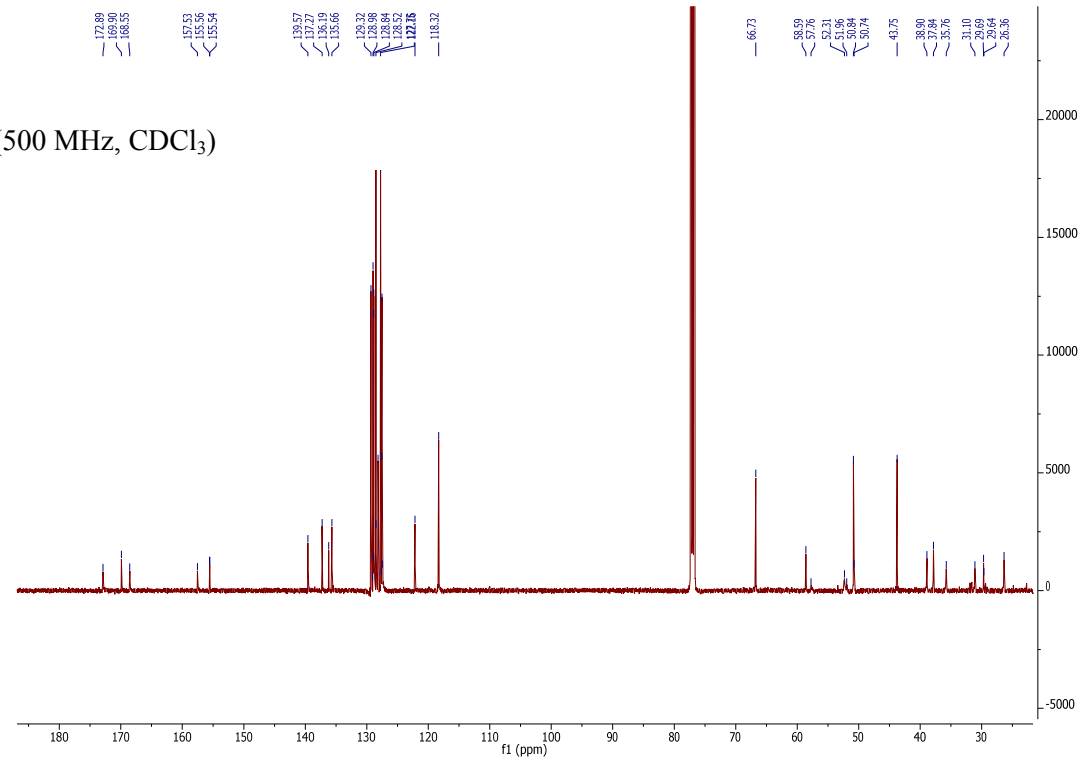


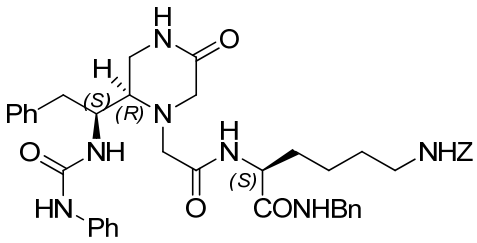
(*S*)-9a

(*S*)-9a (500 MHz, $CDCl_3$)



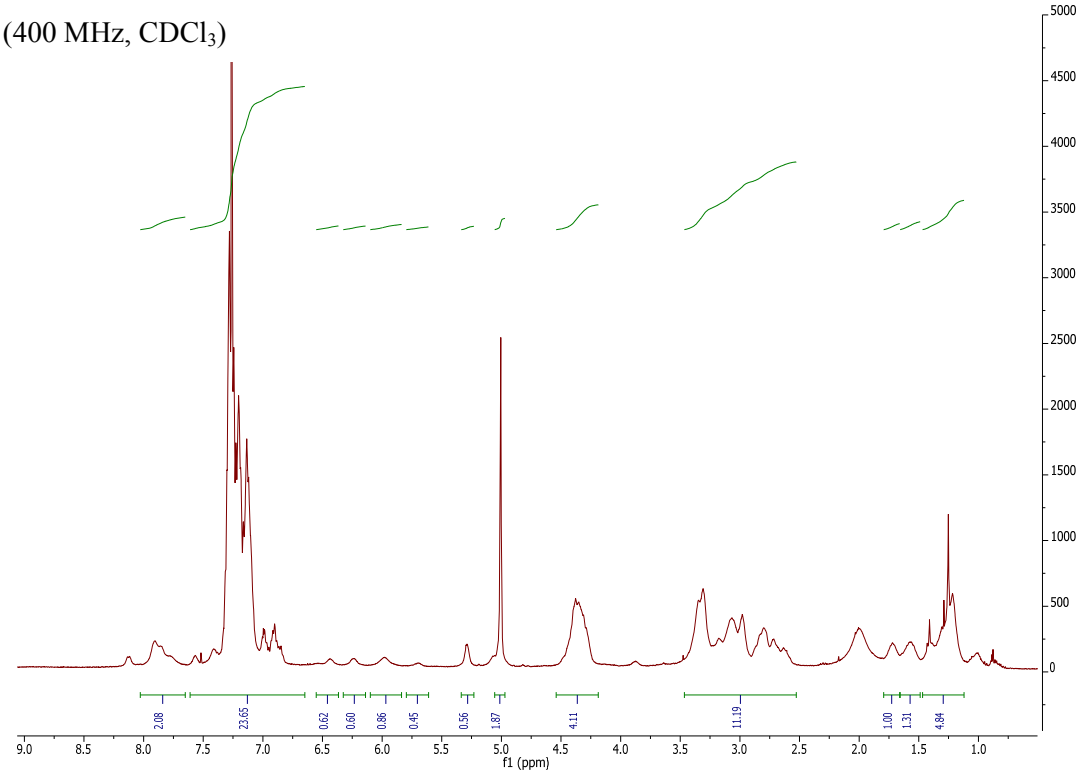
(*S*)-9a (500 MHz, $CDCl_3$)



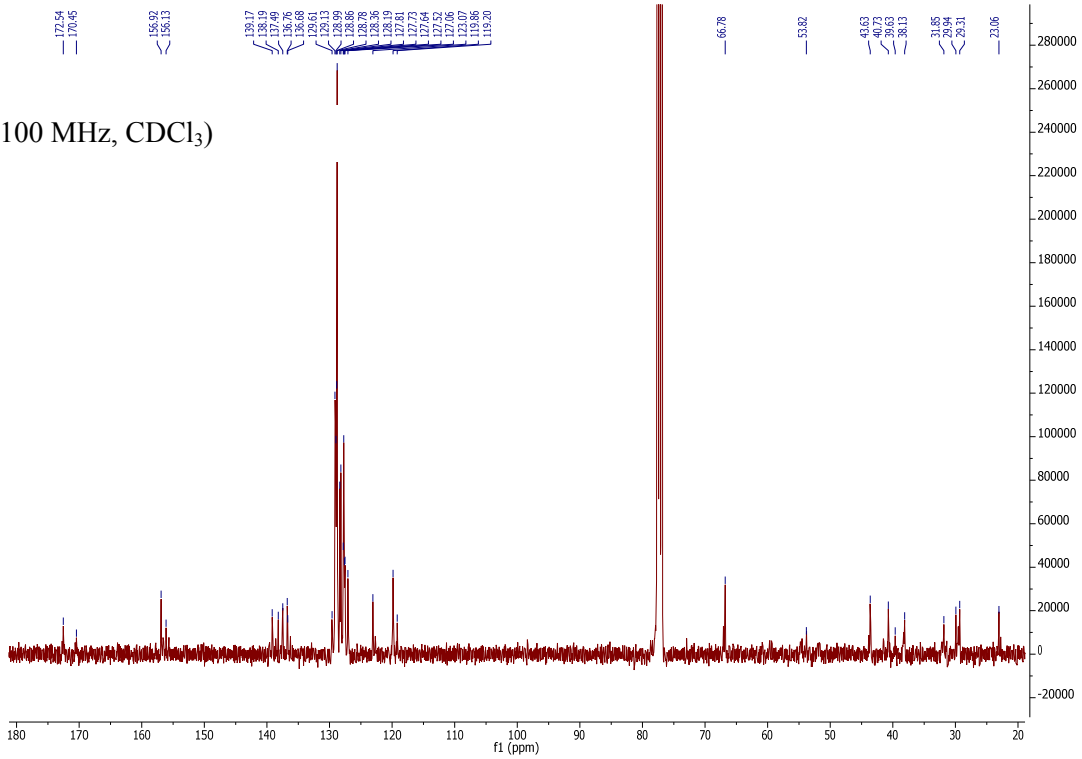


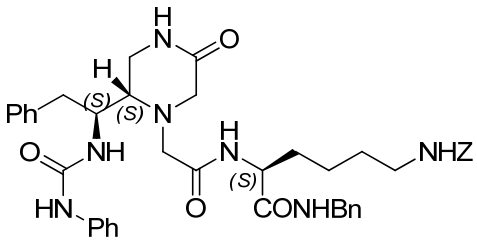
(*R*)-9b

(*R*)-9b (400 MHz, $CDCl_3$)



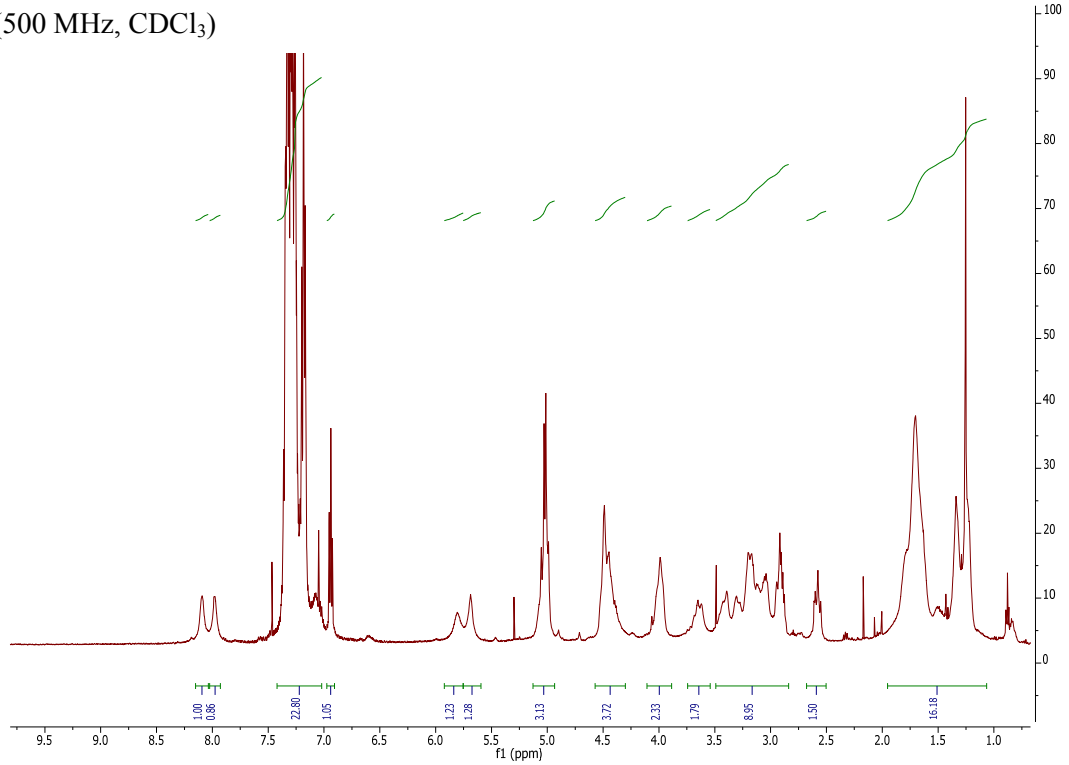
(*R*)-9b (100 MHz, $CDCl_3$)



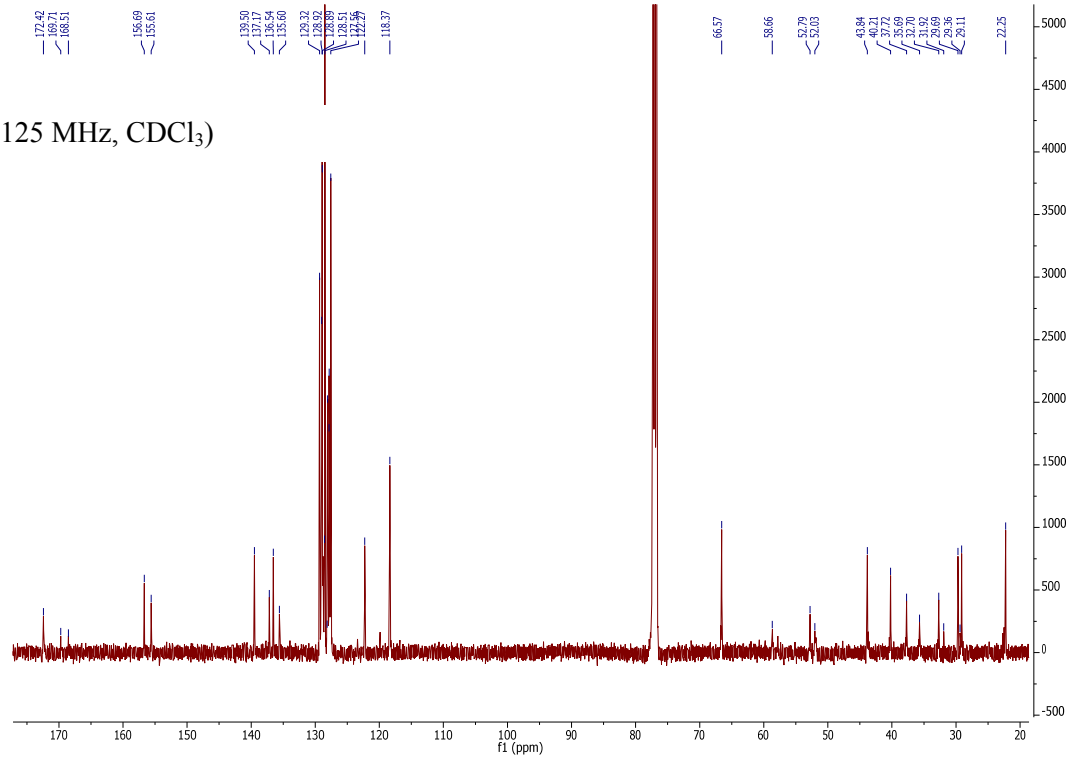


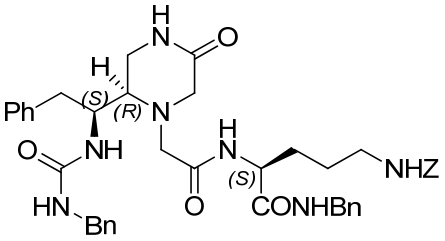
(*S*)-9b

(*S*)-9b (500 MHz, $CDCl_3$)



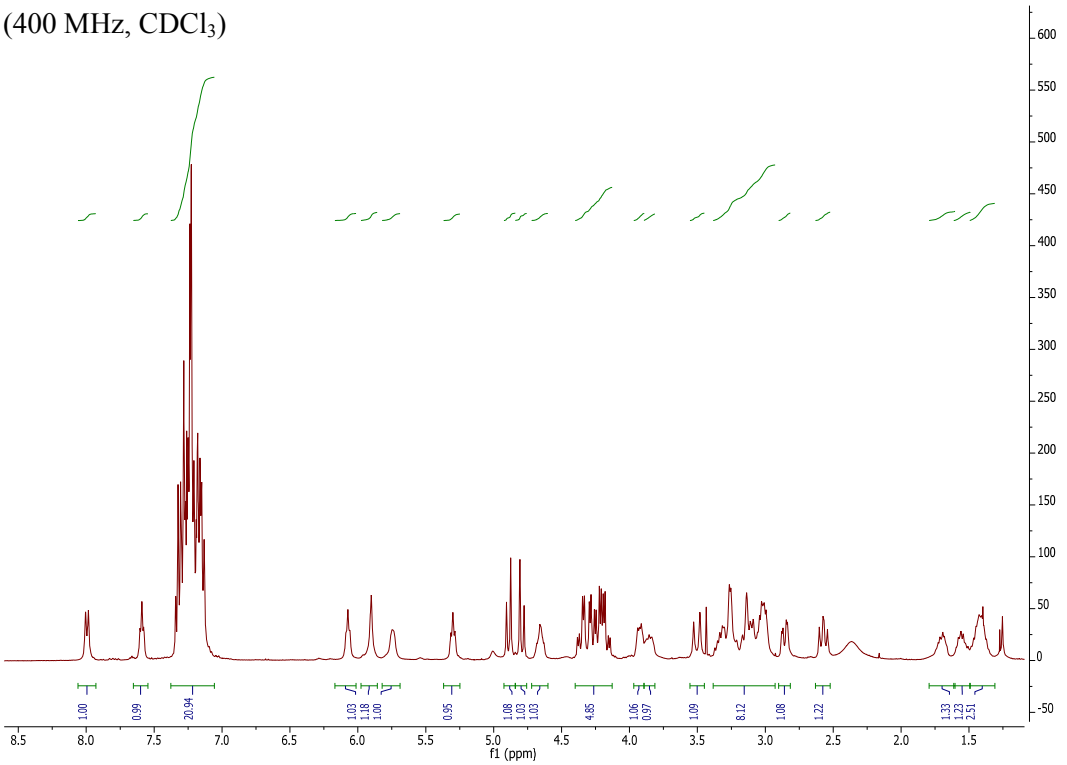
(*S*)-9b (125 MHz, $CDCl_3$)



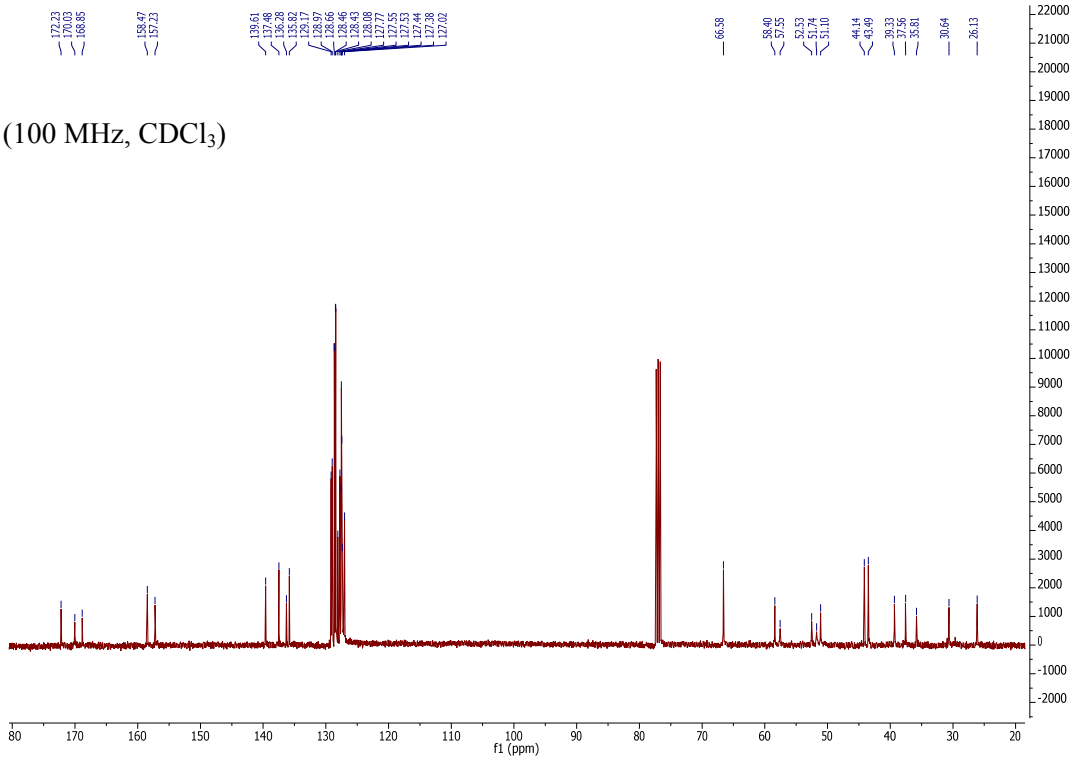


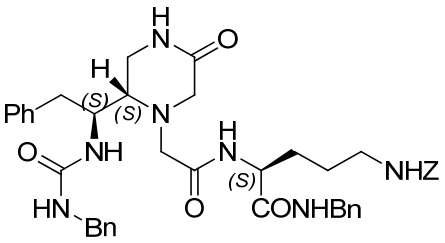
(*R*)-10a

(*R*)-10a (400 MHz, $CDCl_3$)



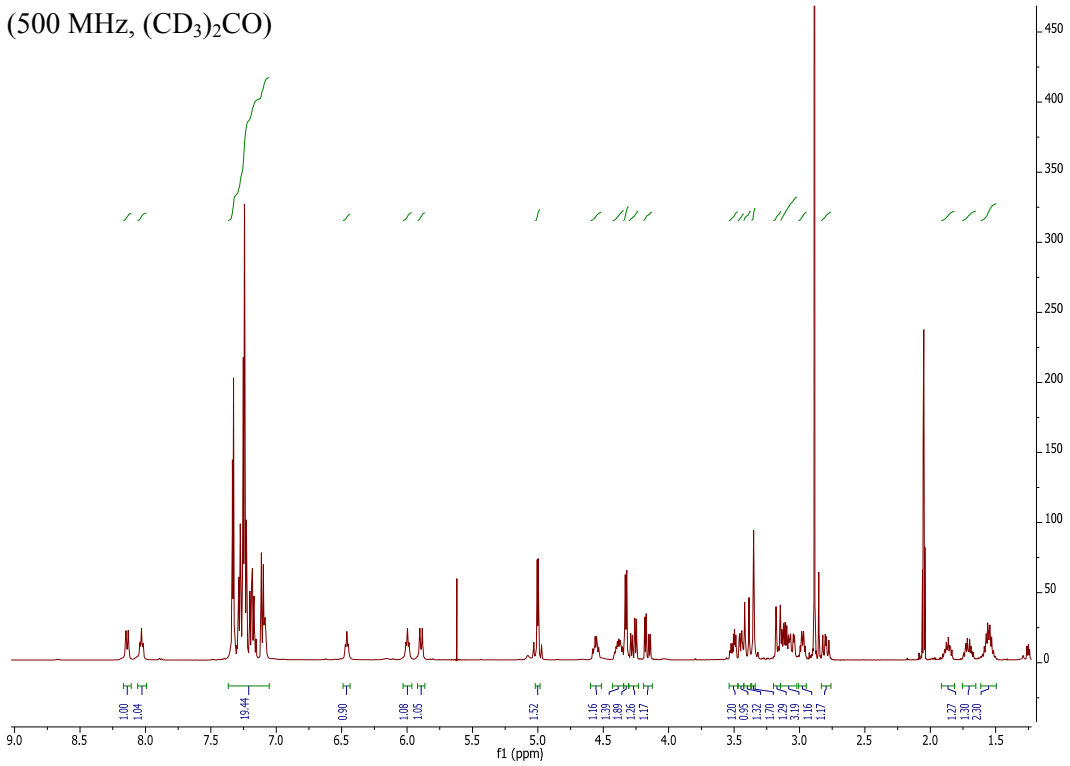
(*R*)-10a (100 MHz, $CDCl_3$)



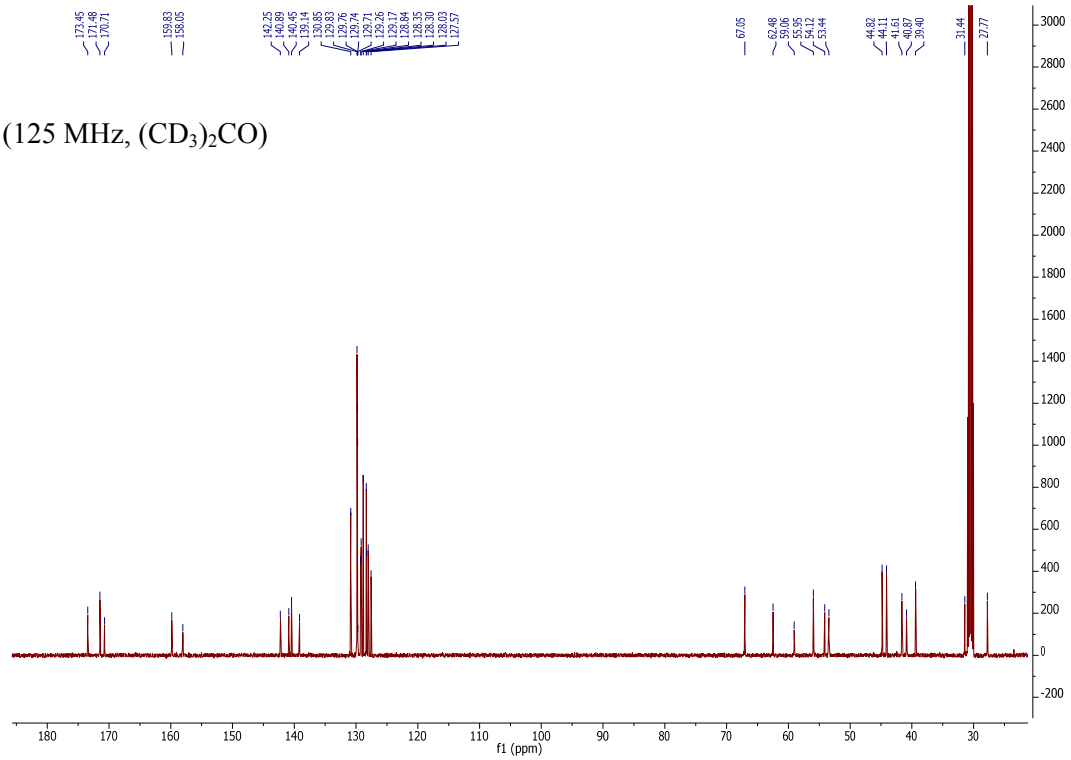


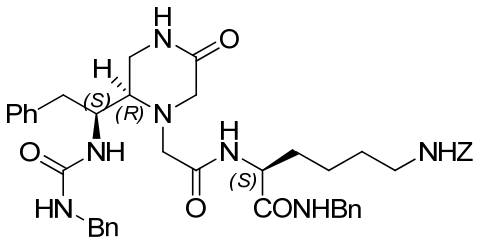
(*S*)-10a

(*S*)-10a (500 MHz, $(CD_3)_2CO$)



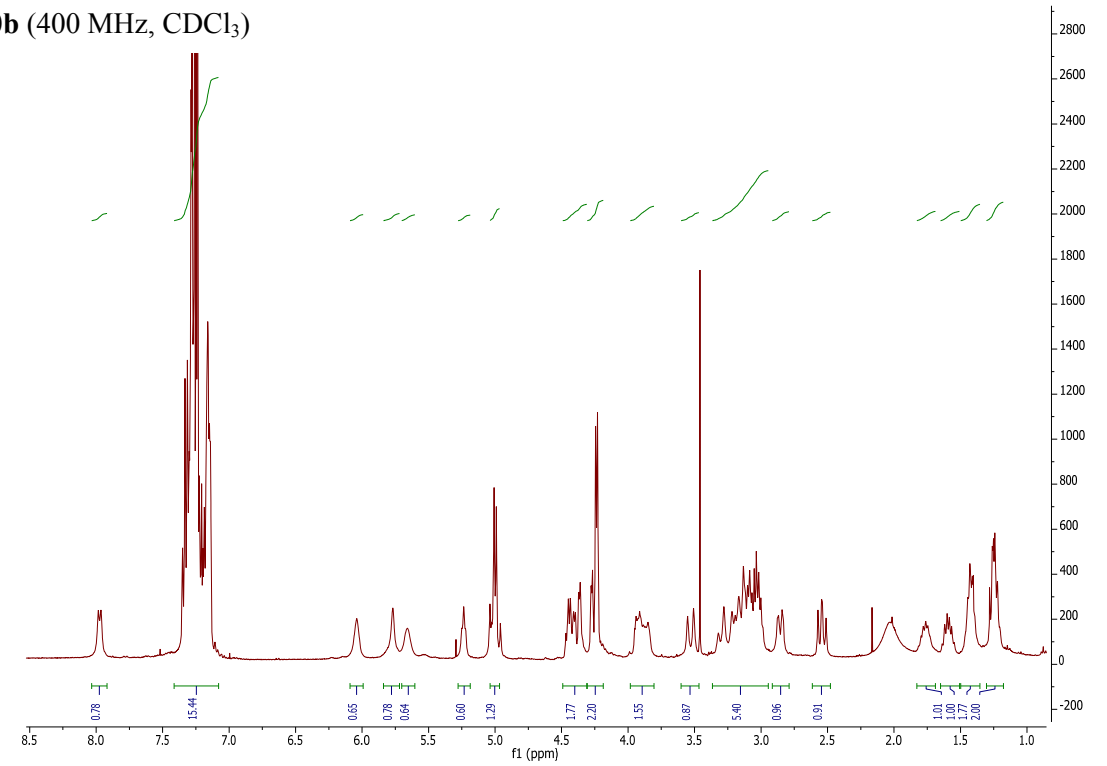
(*S*)-10a (125 MHz, $(CD_3)_2CO$)



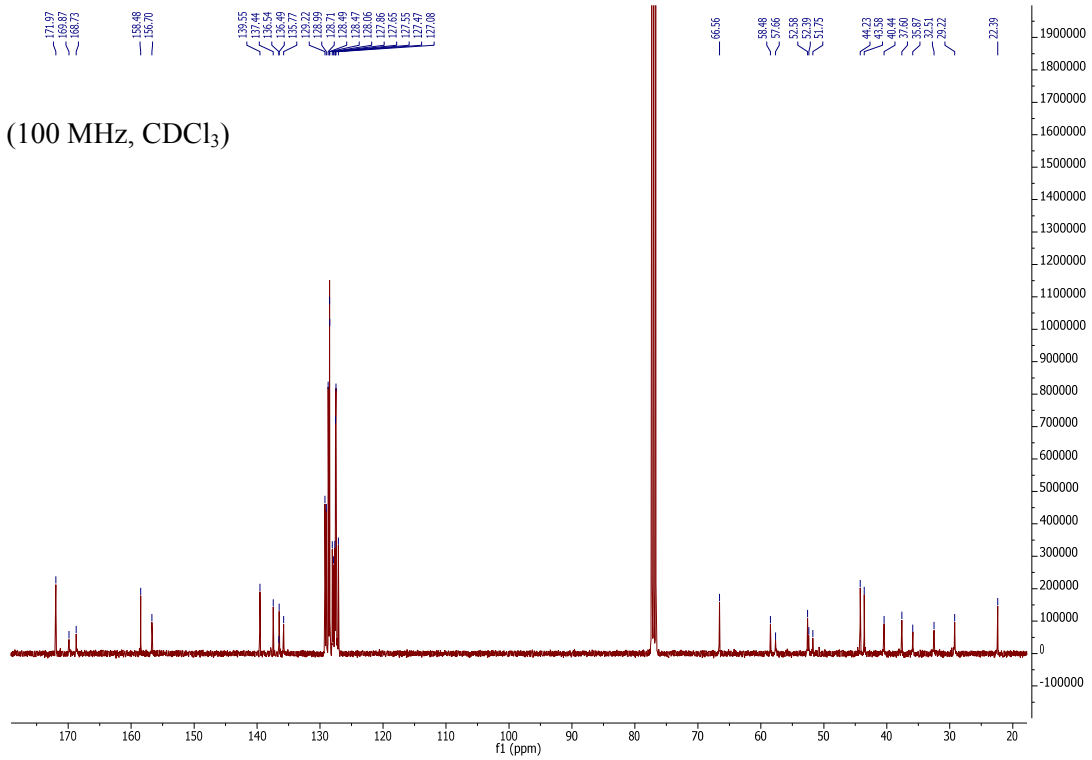


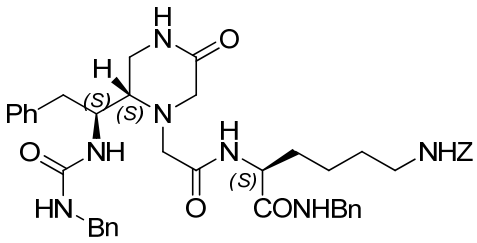
(*R*)-10b

(*R*)-10b (400 MHz, $CDCl_3$)



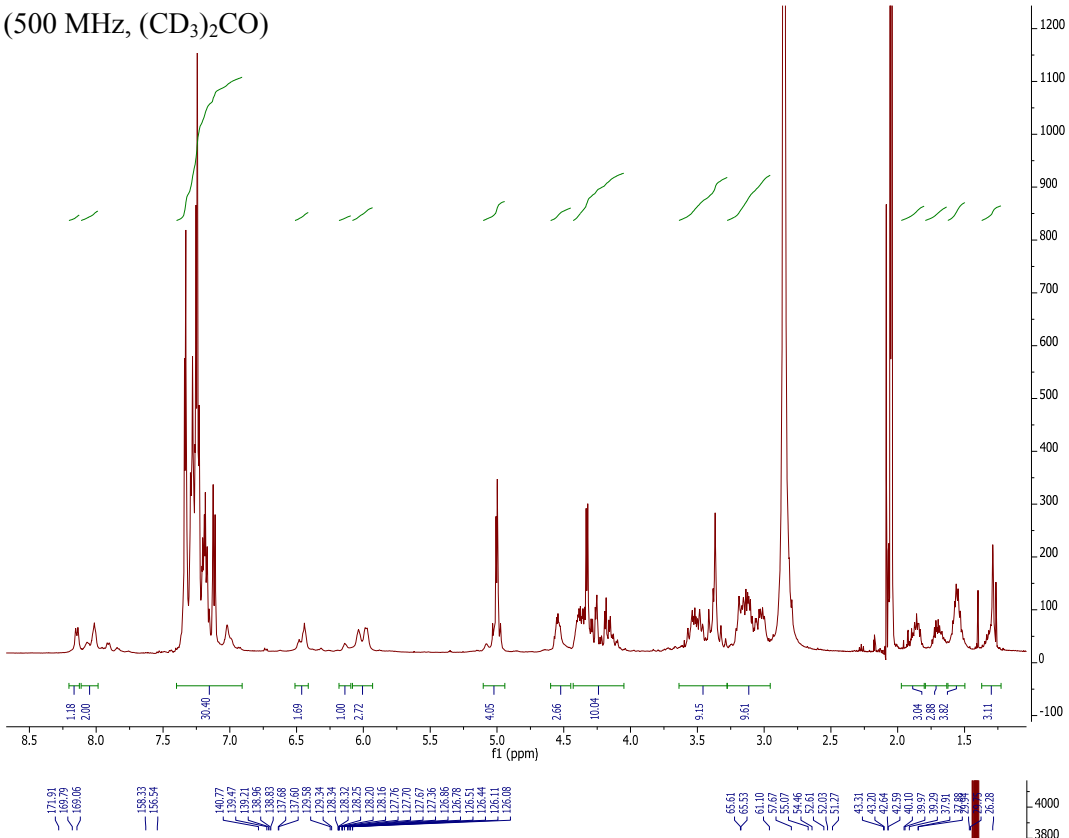
(*R*)-10b (100 MHz, $CDCl_3$)



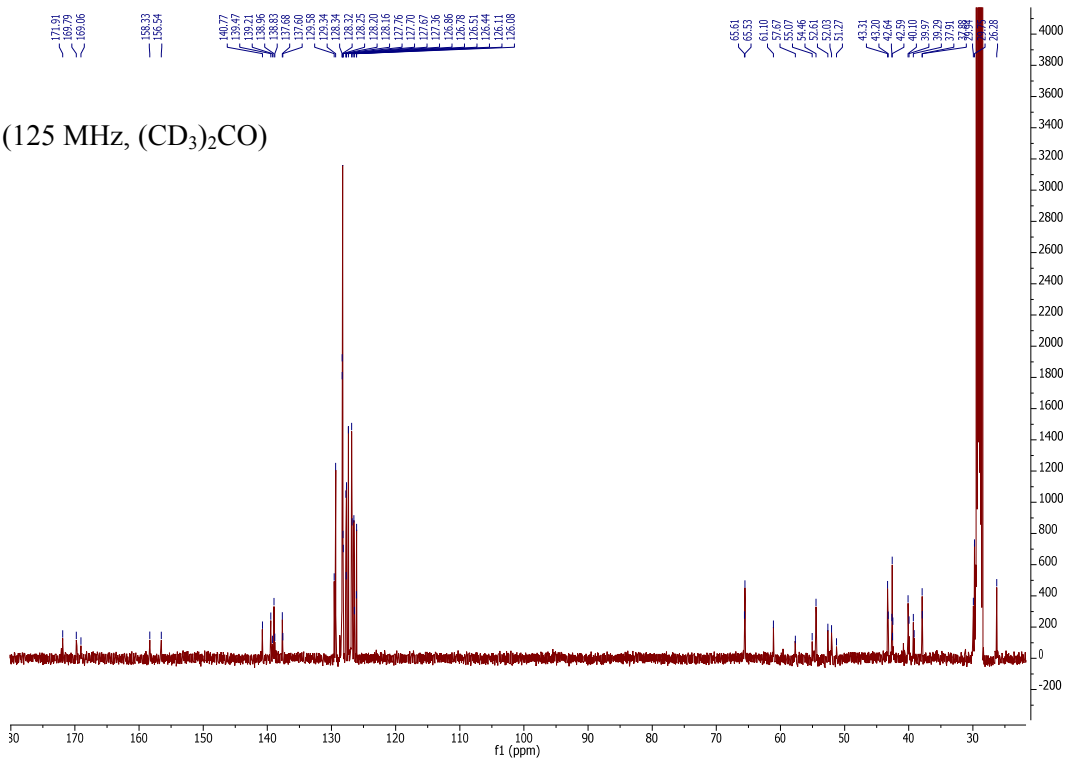


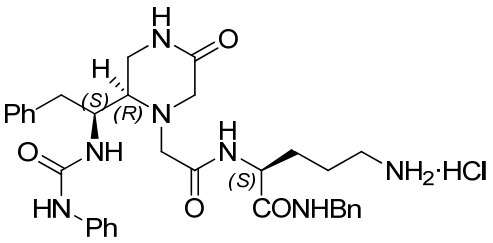
(*S*)-10b

(*S*)-10b (500 MHz, $(CD_3)_2CO$)



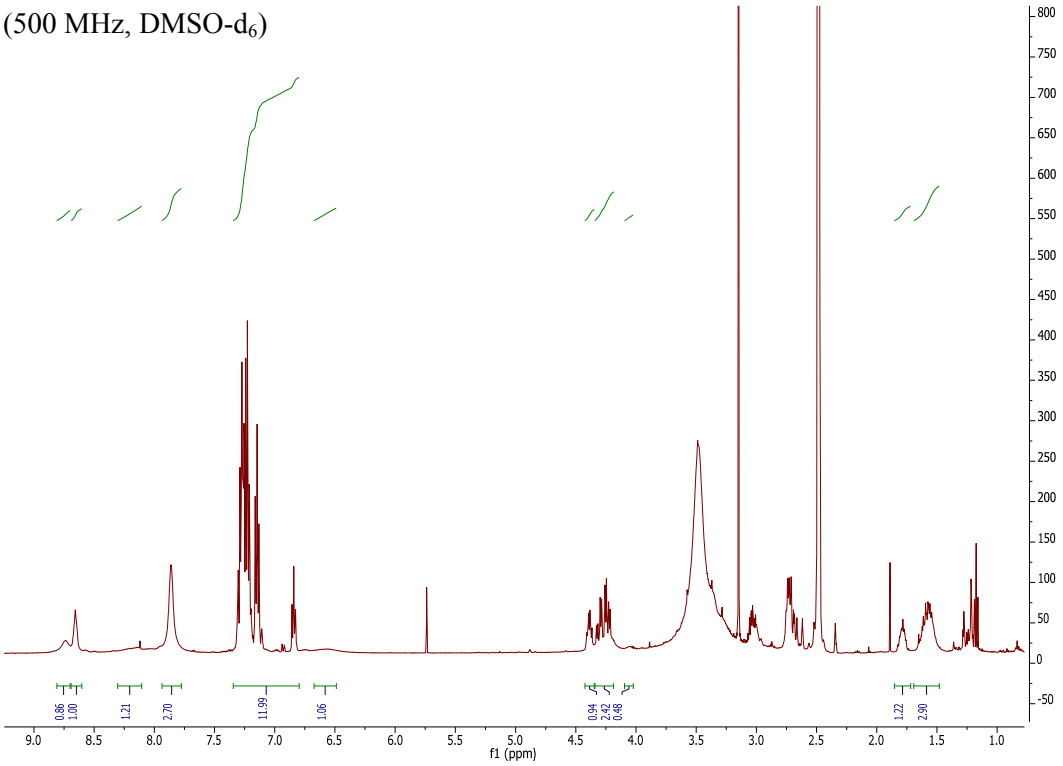
(*S*)-10b (125 MHz, $(CD_3)_2CO$)



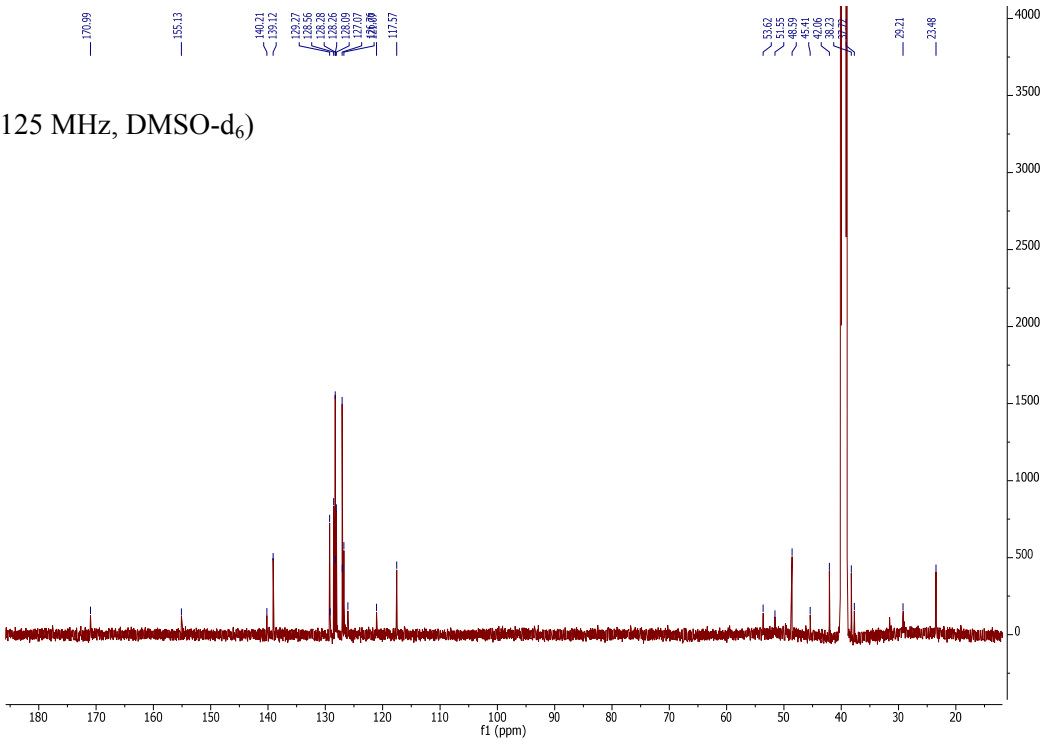


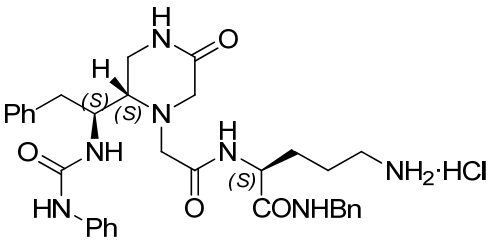
(*R*)-11a

(*R*)-11a (500 MHz, DMSO-d_6)



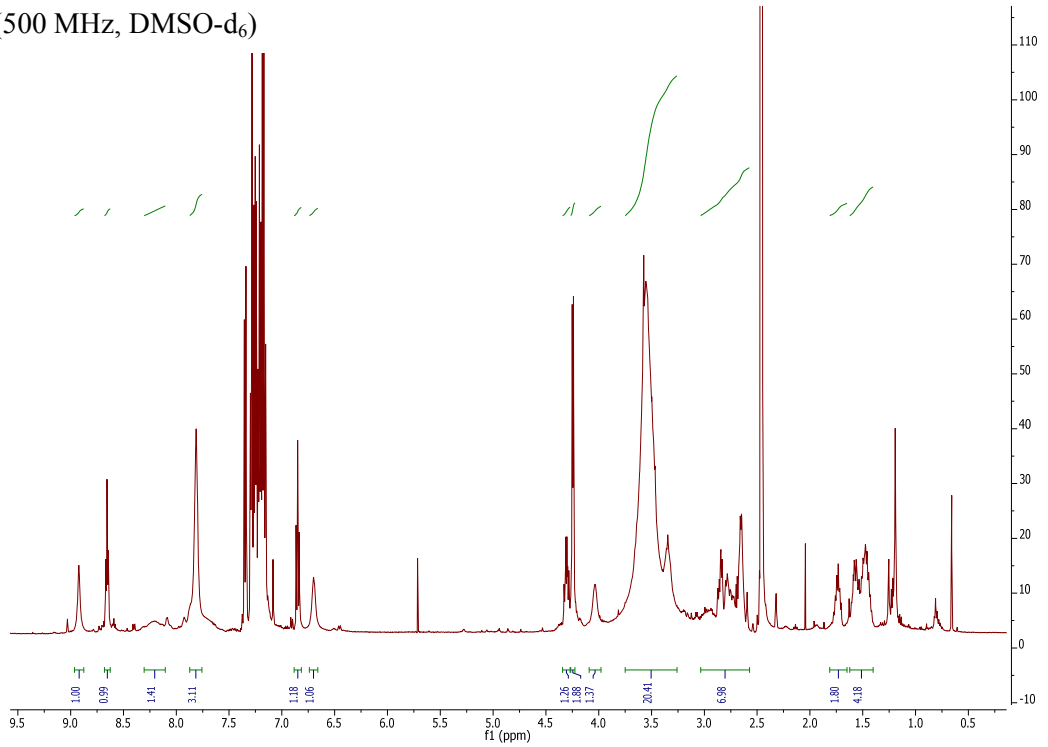
(*R*)-11a (125 MHz, DMSO-d_6)



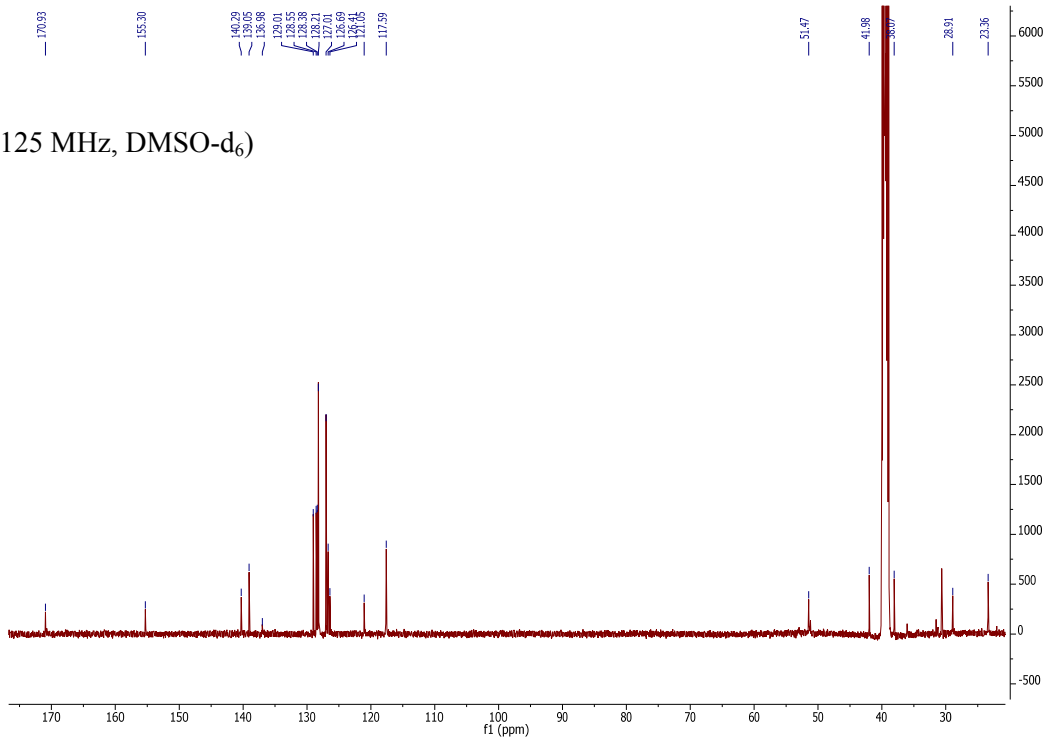


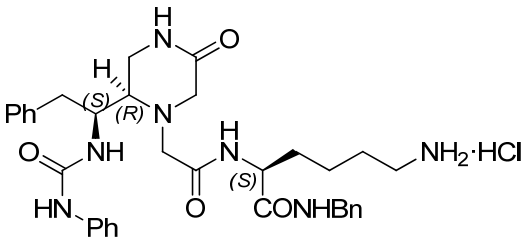
(*S*)-11a

(*S*)-11a (500 MHz, DMSO-d$_6$)



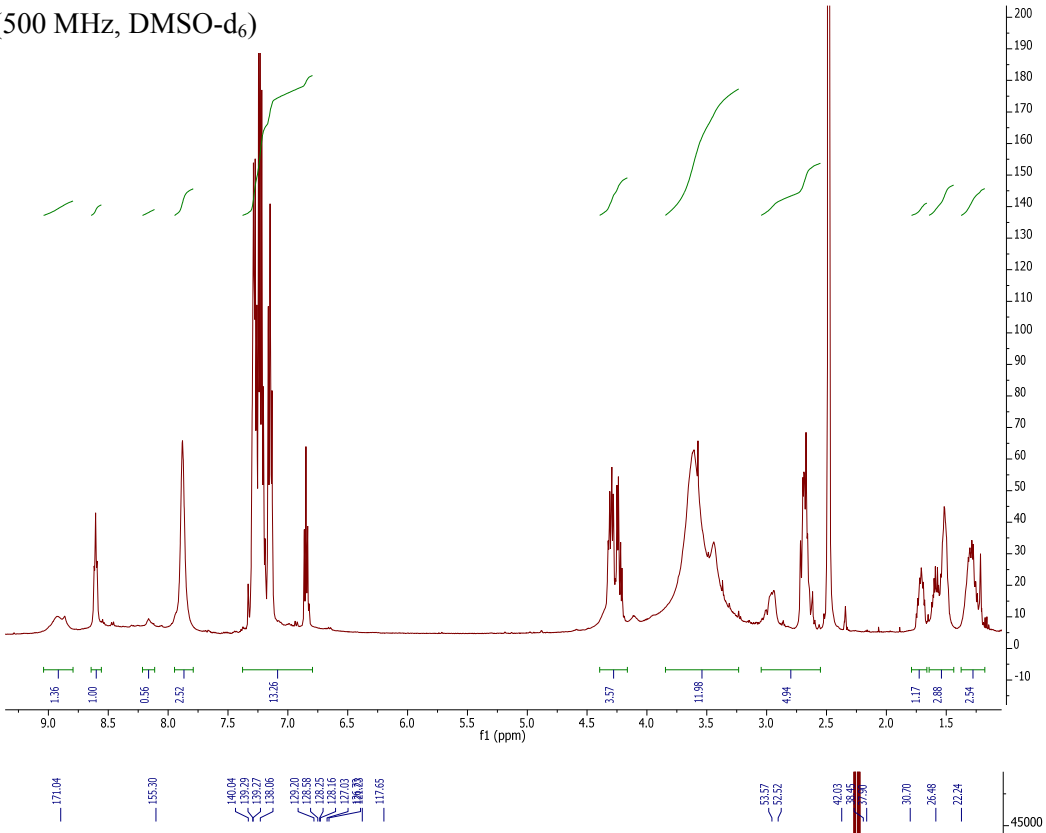
(*S*)-11a (125 MHz, DMSO-d$_6$)



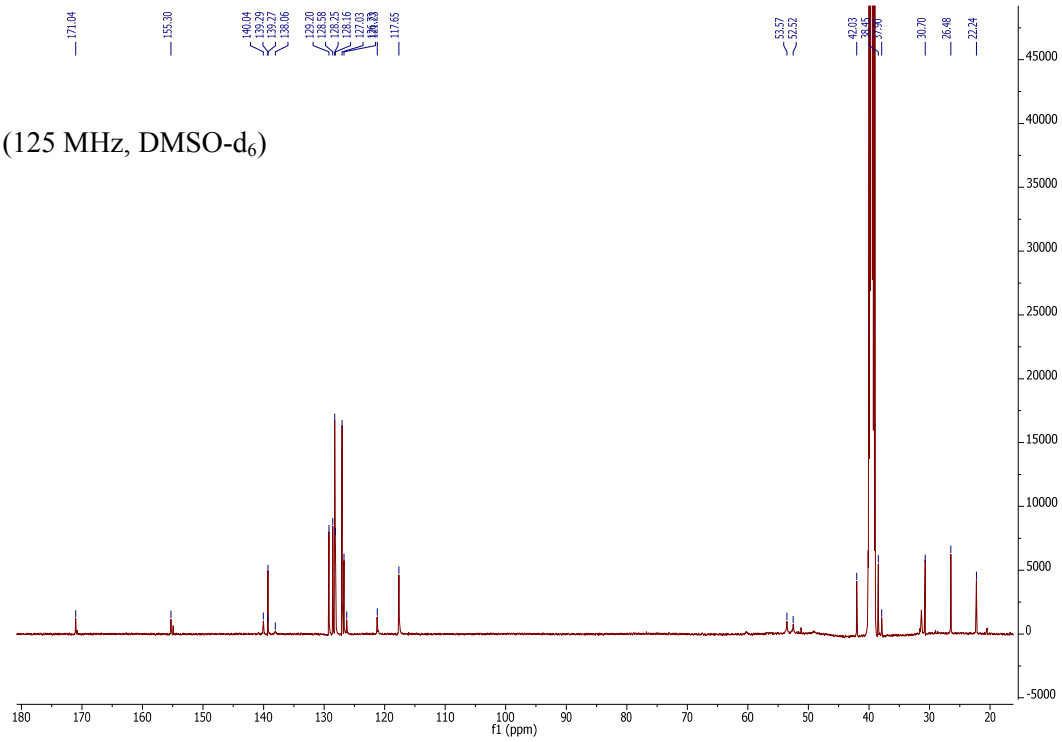


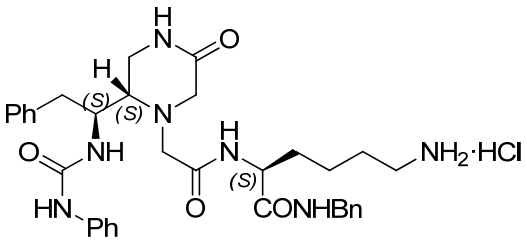
(*R*)-11b

(*R*)-11b (500 MHz, DMSO-d_6)



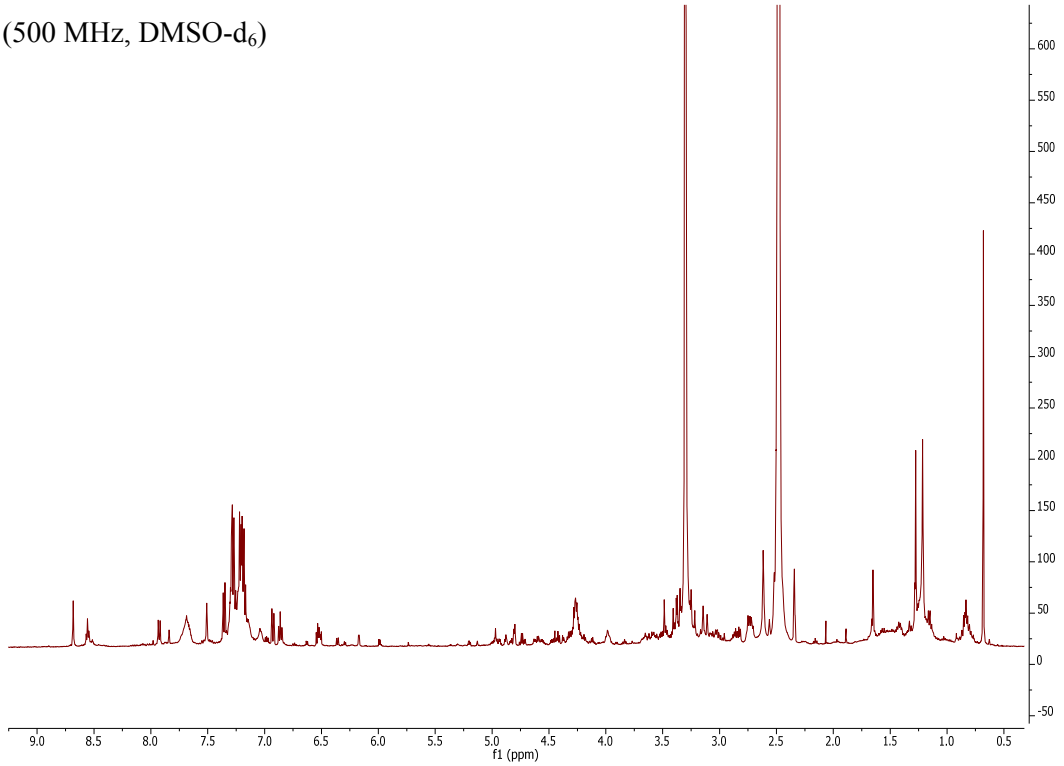
(*R*)-11b (125 MHz, DMSO-d_6)

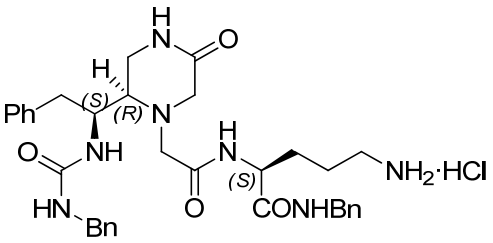




(*S*)-11b

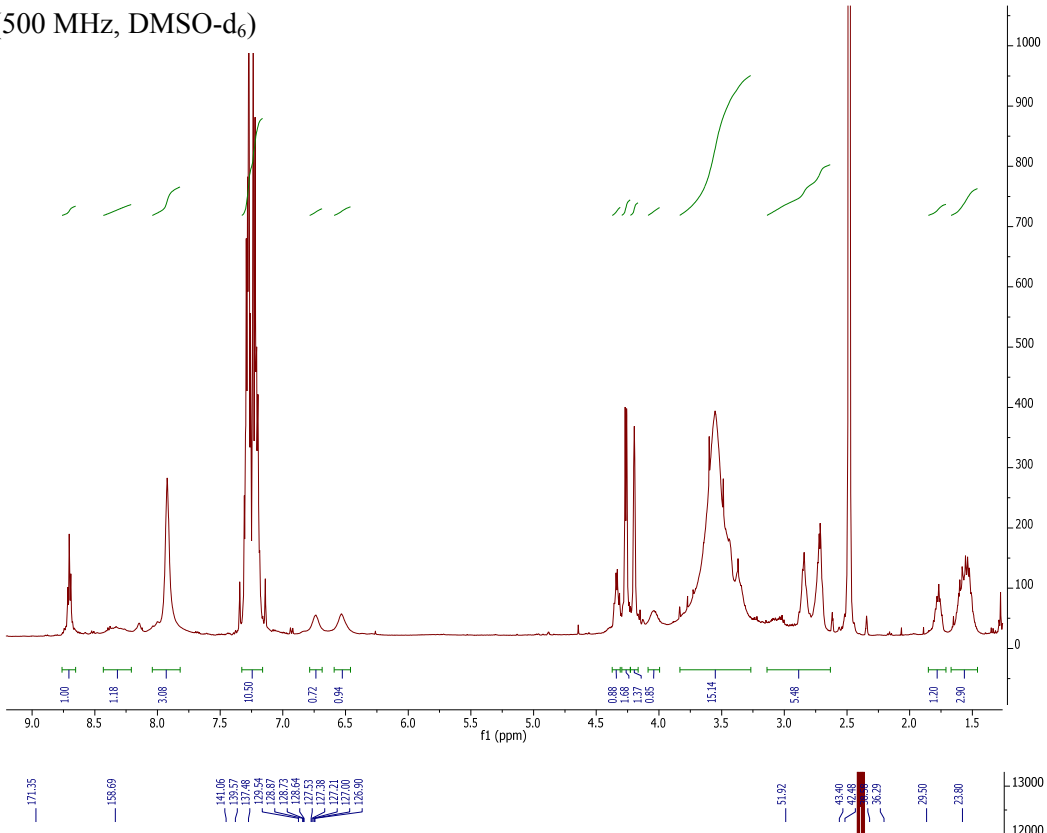
(*S*)-11b (500 MHz, DMSO-d_6)



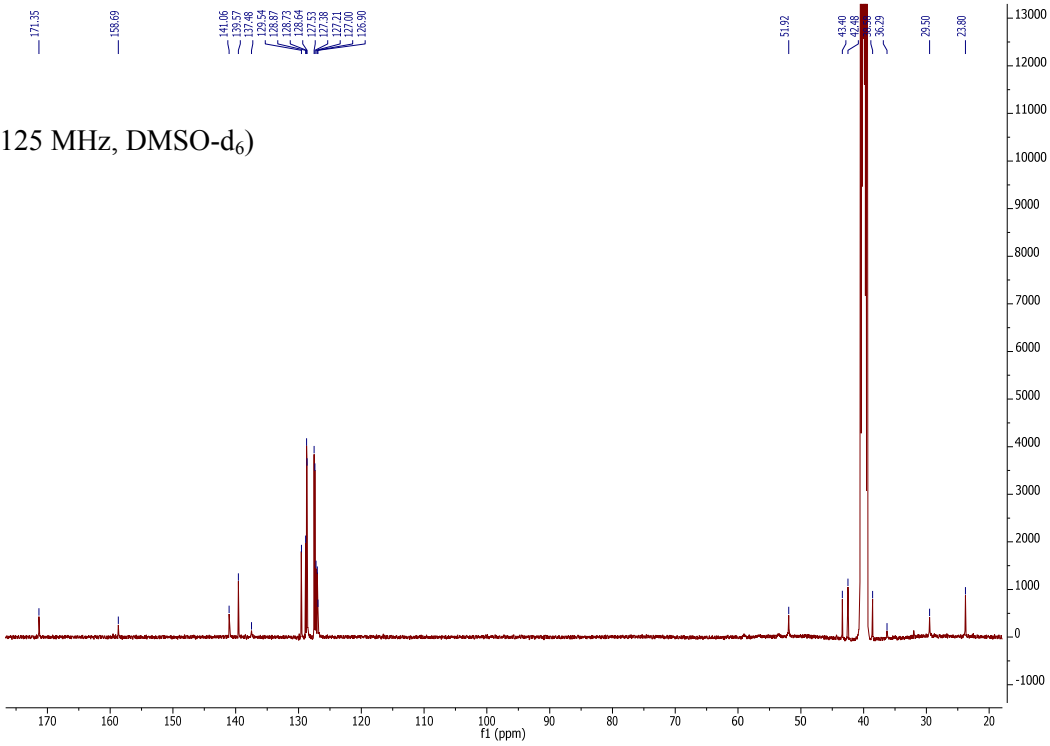


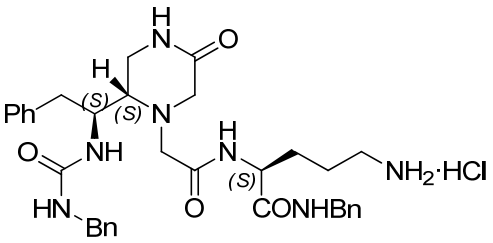
(*R*)-12a

(*R*)-12a (500 MHz, DMSO-d_6)



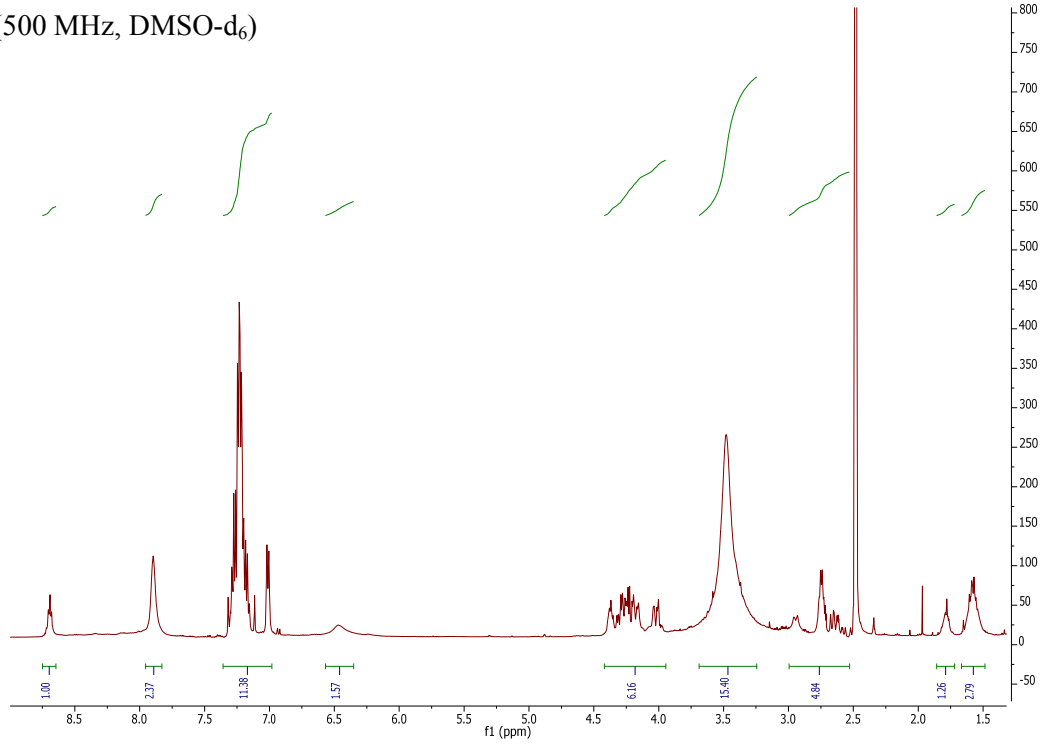
(*R*)-12a (125 MHz, DMSO-d_6)



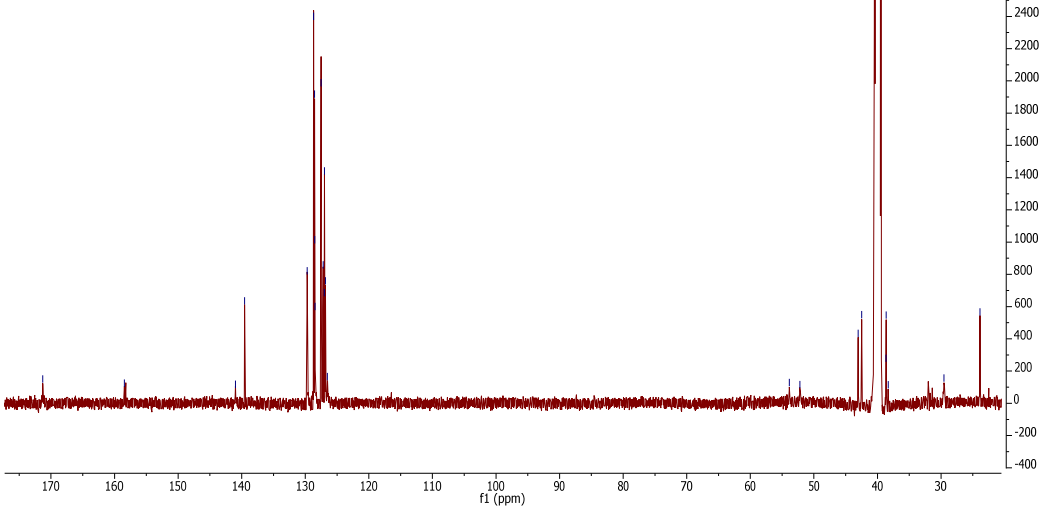


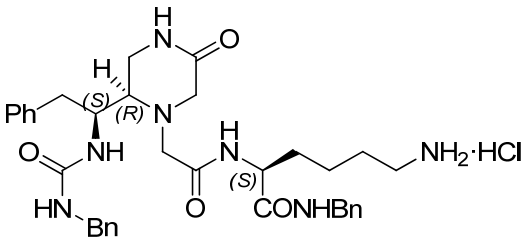
(*S*)-12a

(*S*)-12a (500 MHz, DMSO-d$_6$)



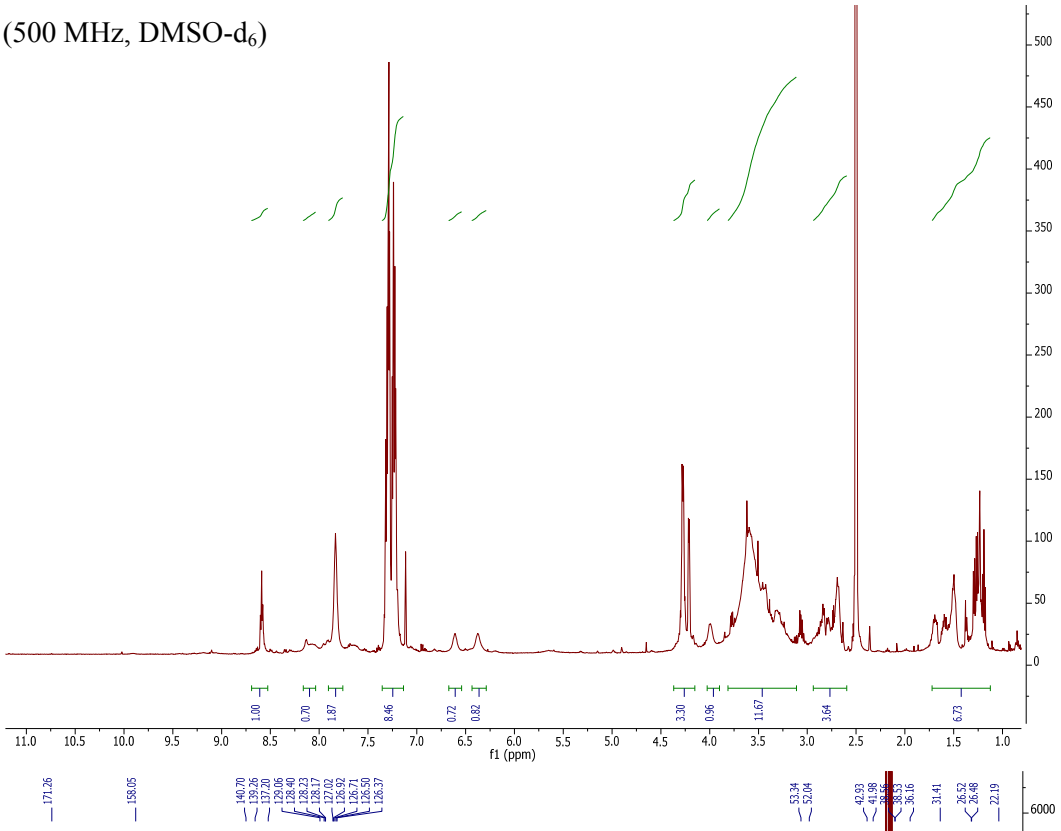
(*S*)-12a (125 MHz, DMSO-d$_6$)



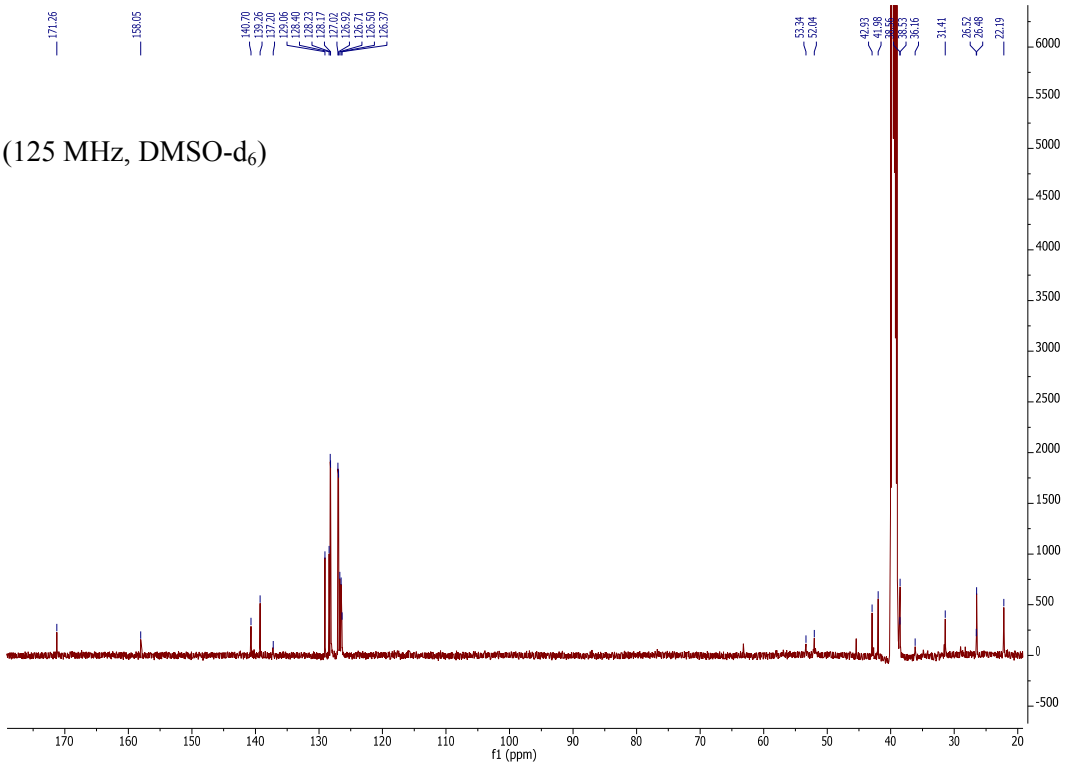


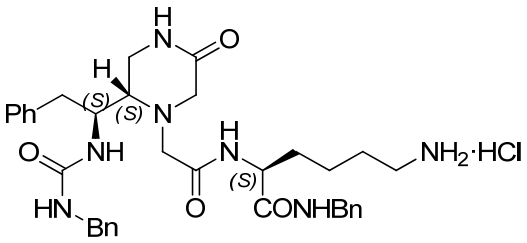
(*R*)-12b

(*R*)-12b (500 MHz, DMSO-d_6)



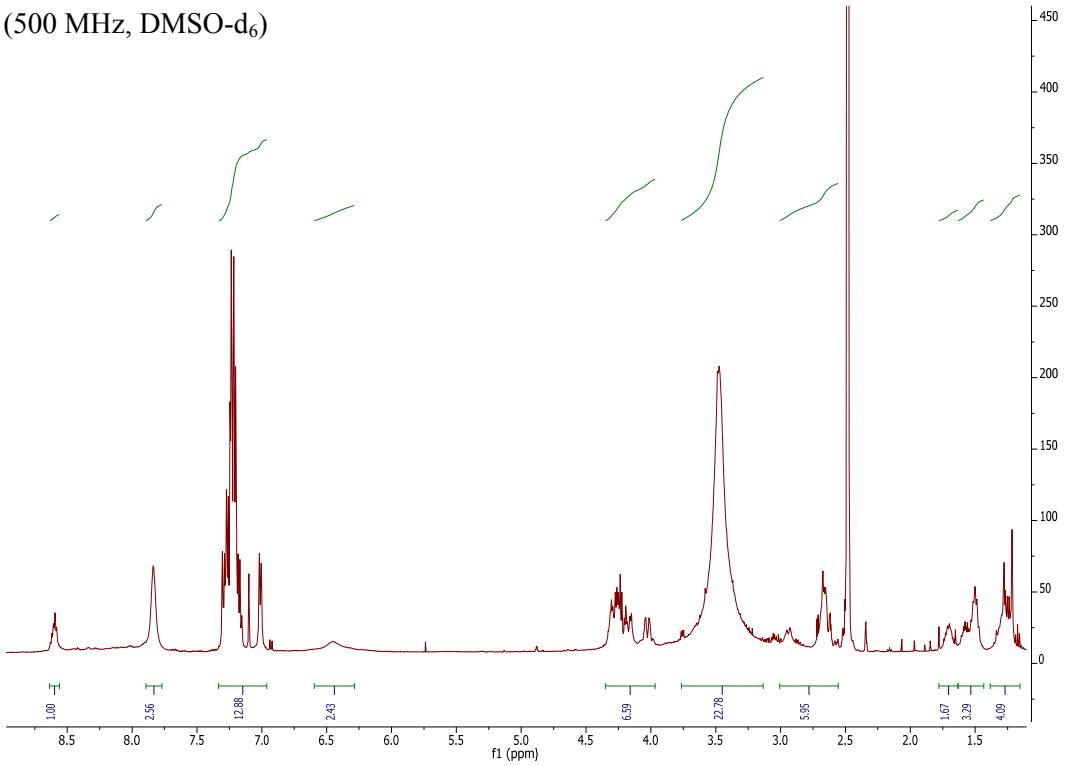
(*R*)-12b (125 MHz, DMSO-d_6)



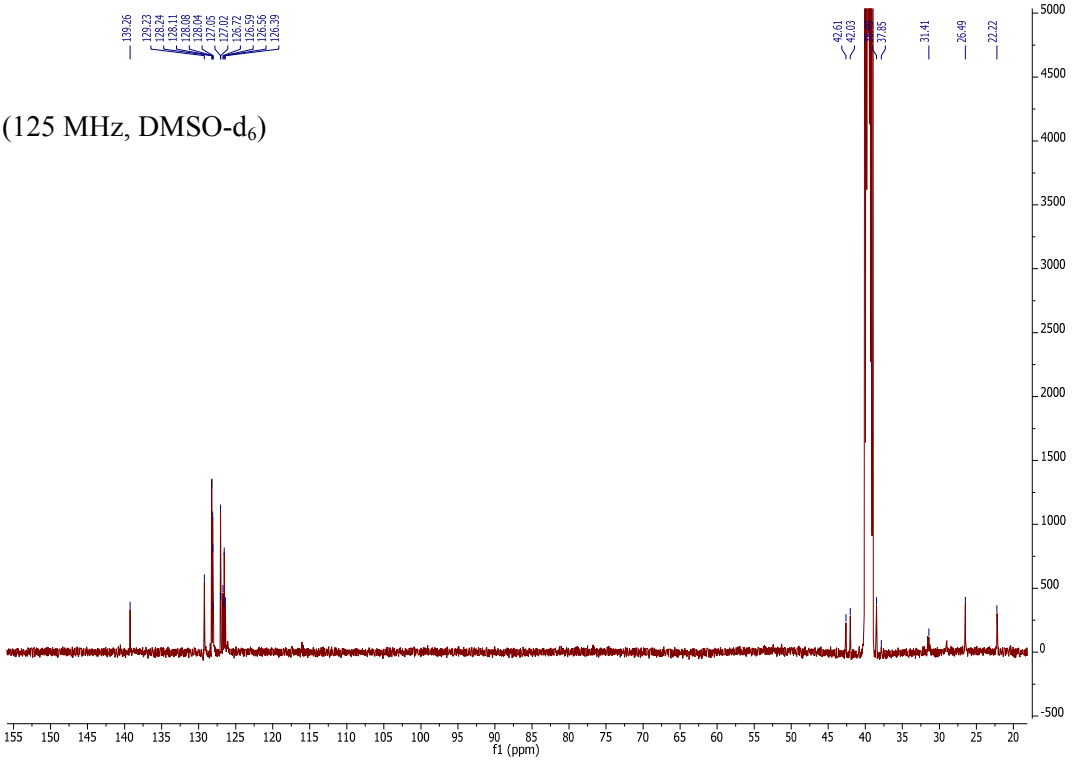


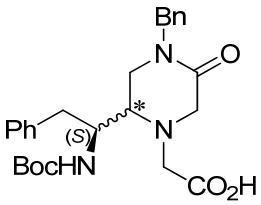
(*S*)-12b

(*S*)-12b (500 MHz, DMSO-d$_6$)



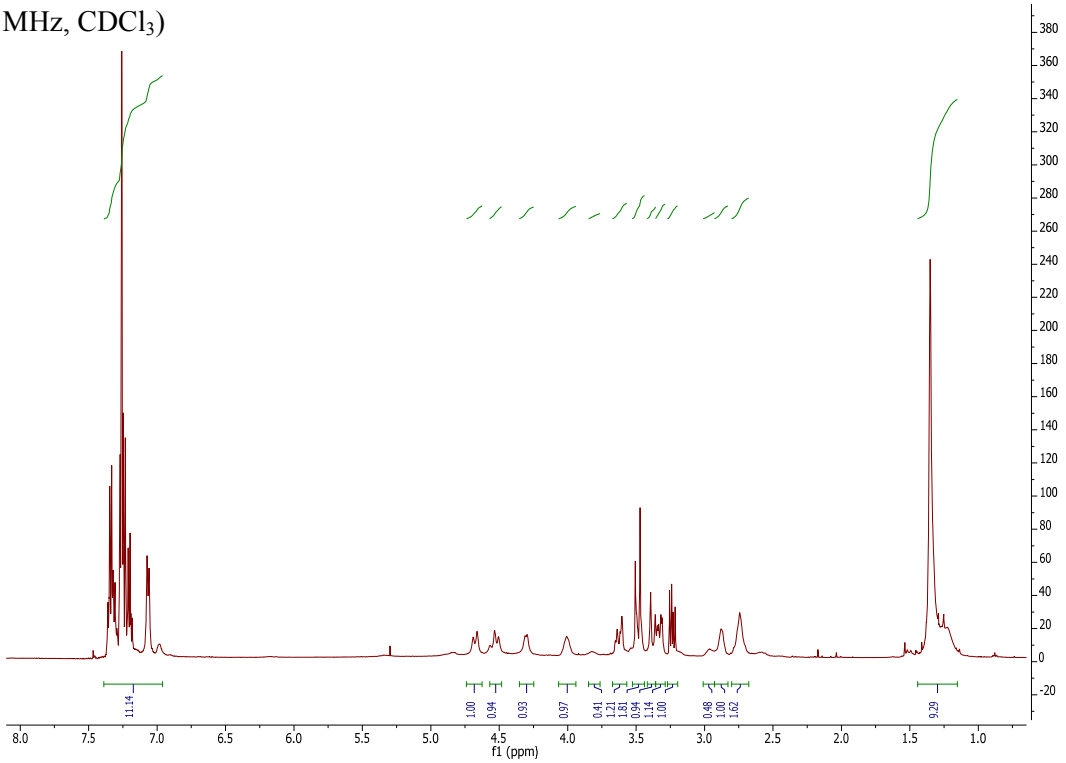
(*S*)-12b (125 MHz, DMSO-d$_6$)



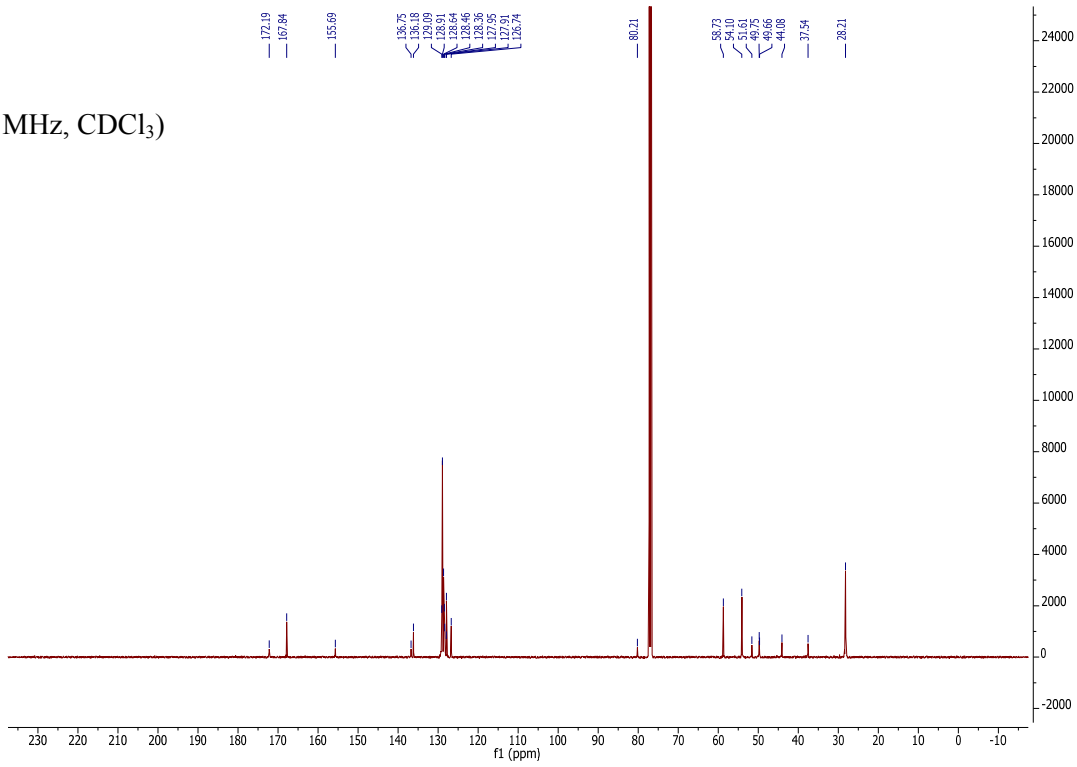


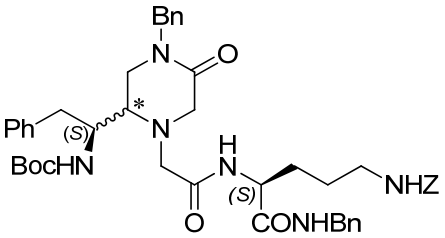
14

14 (500 MHz, $CDCl_3$)



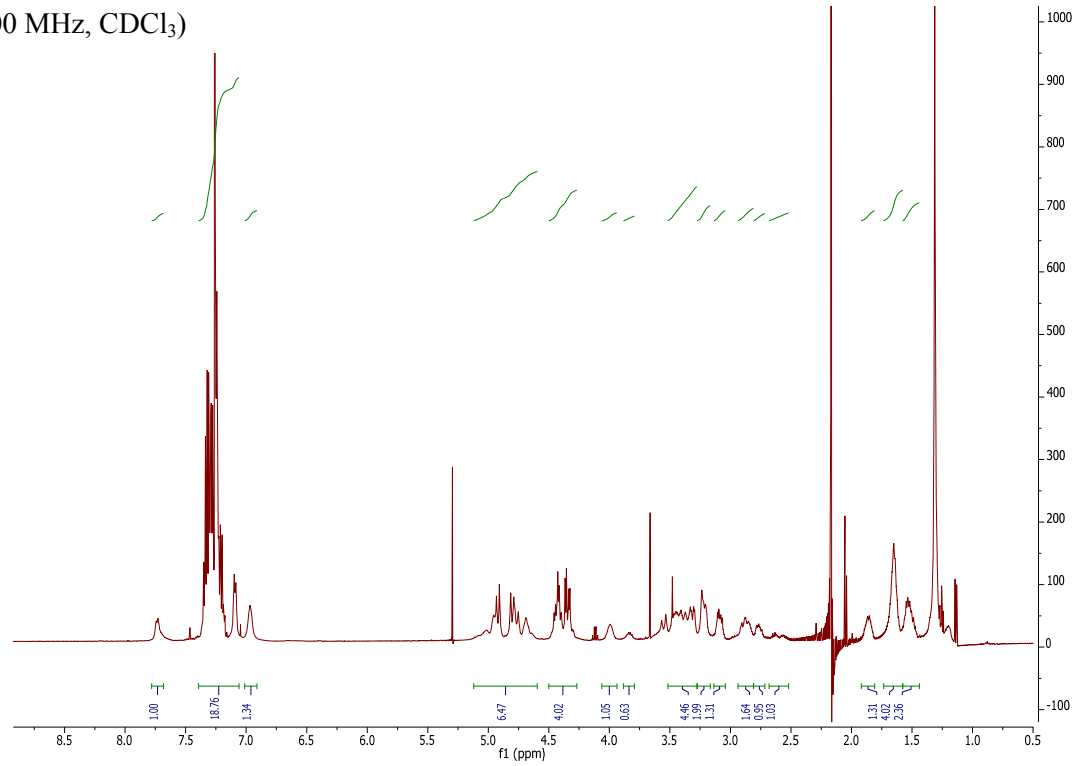
14 (125 MHz, $CDCl_3$)



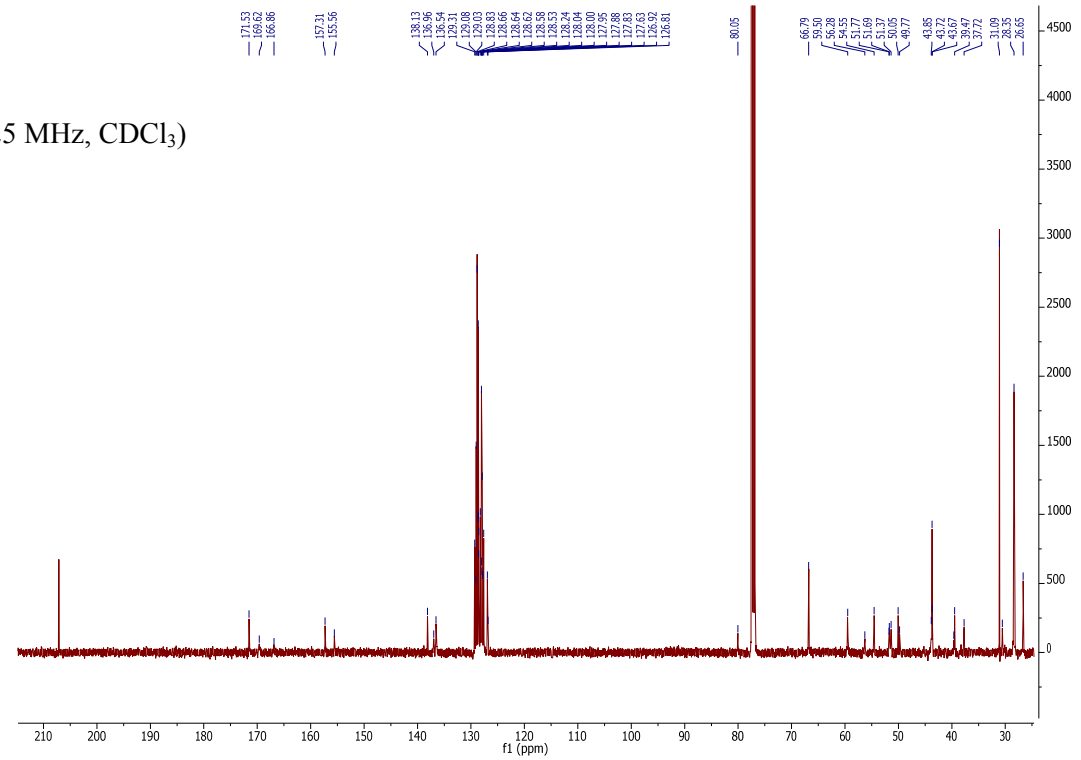


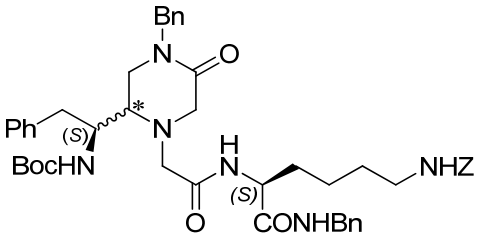
15a

15a (500 MHz, $CDCl_3$)



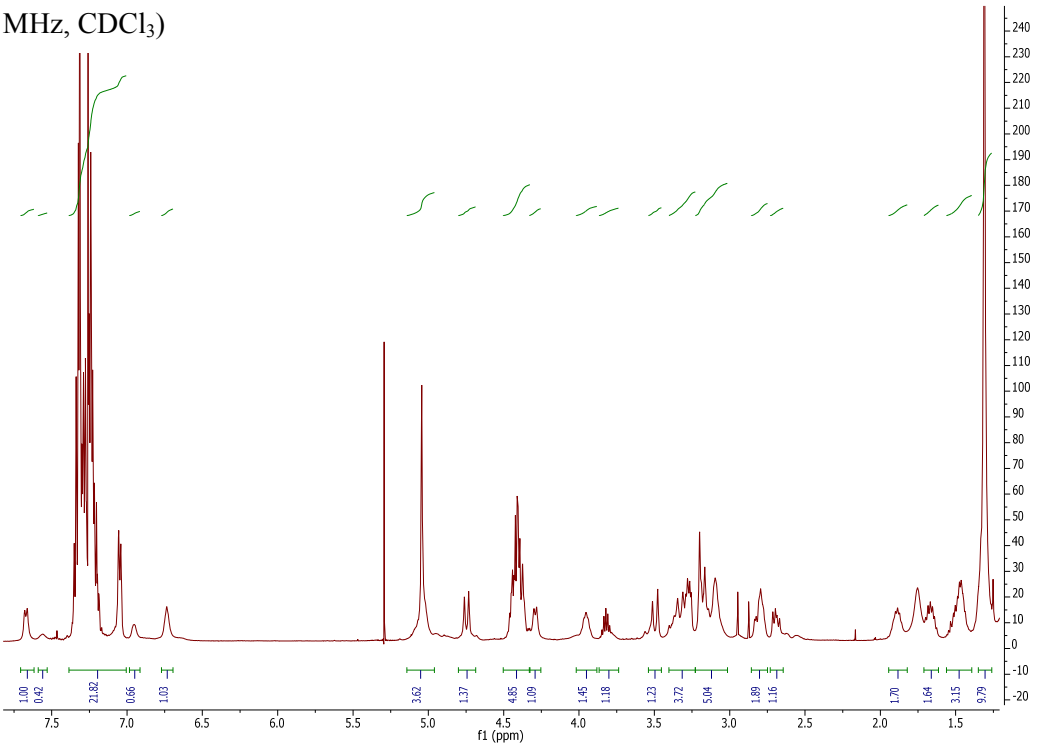
15a (125 MHz, $CDCl_3$)



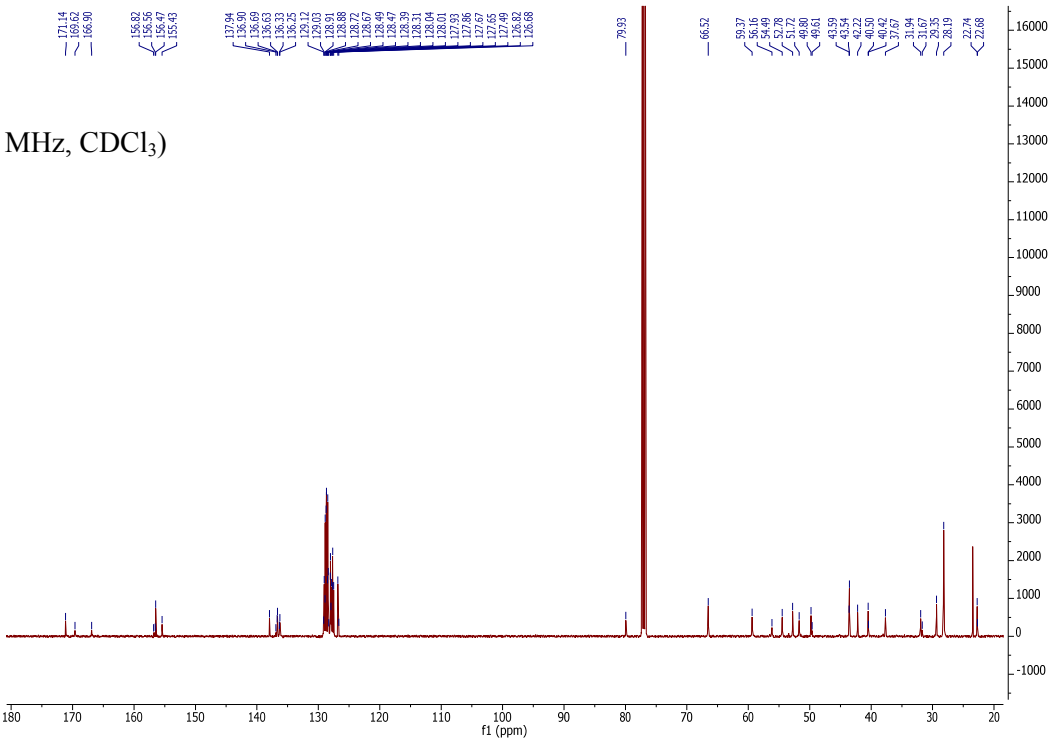


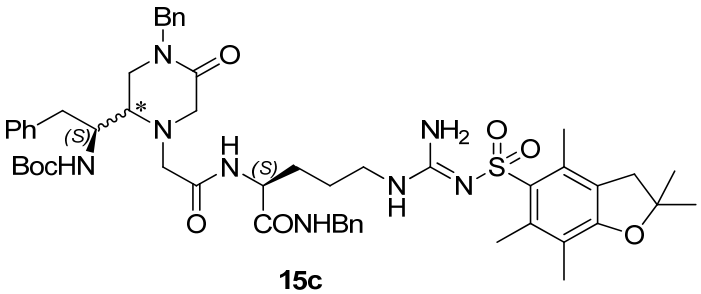
15b

15b (500 MHz, $CDCl_3$)



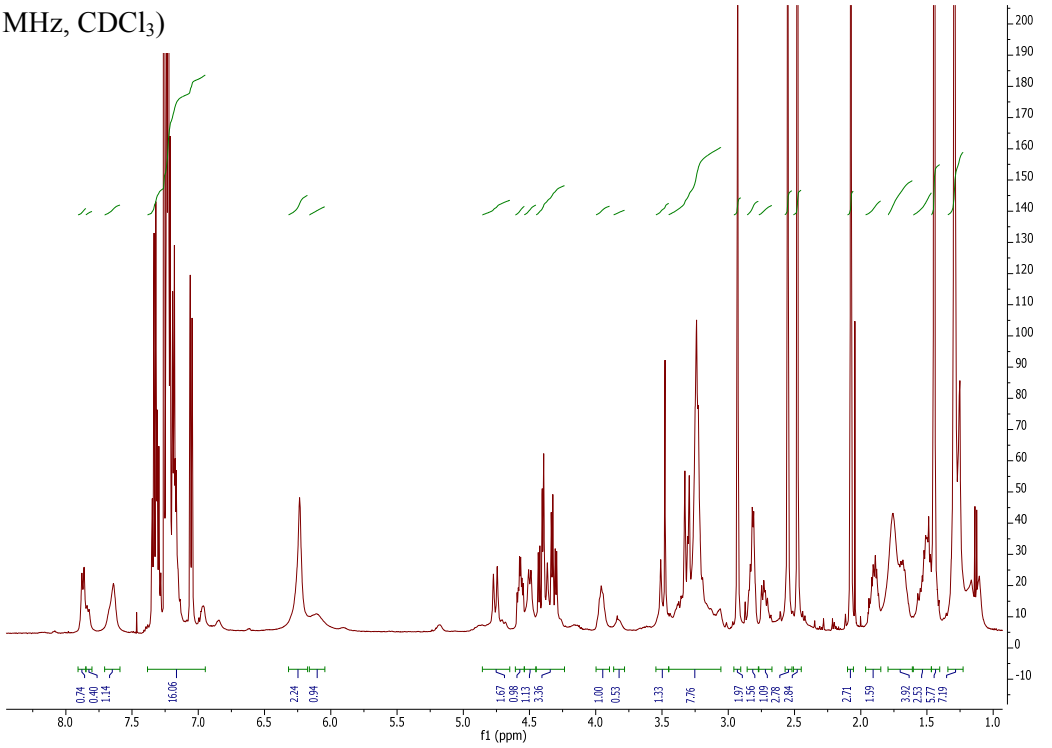
15b (125 MHz, $CDCl_3$)



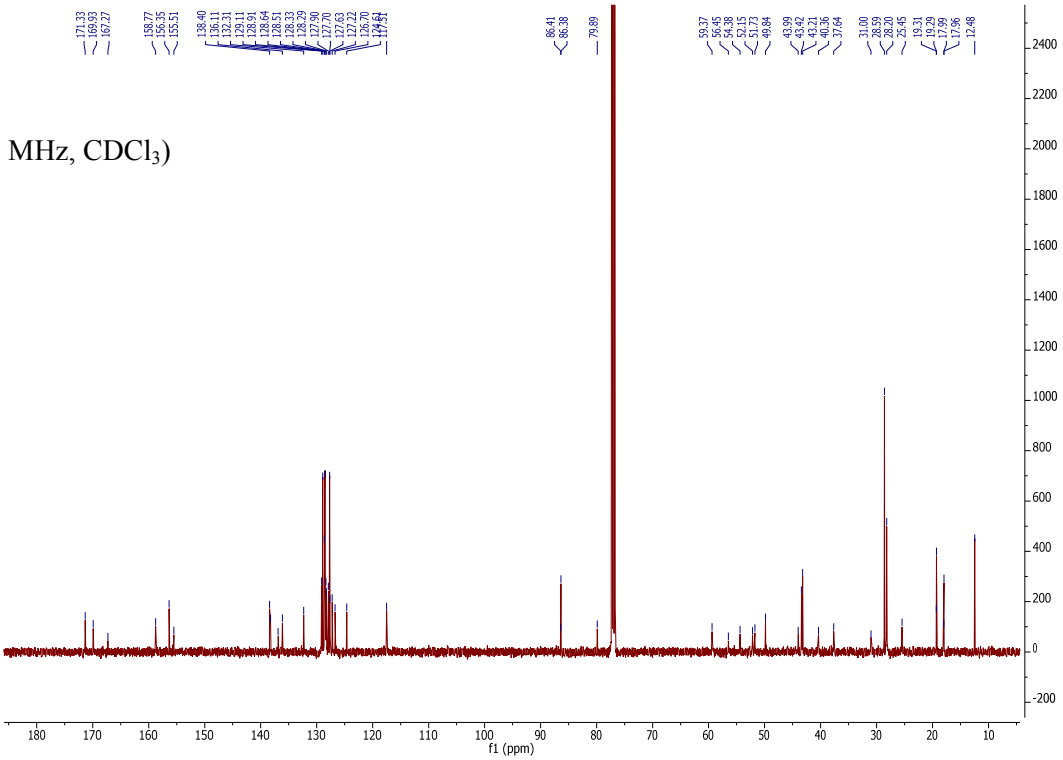


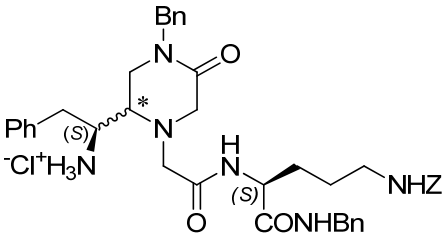
15c

15c (500 MHz, $CDCl_3$)



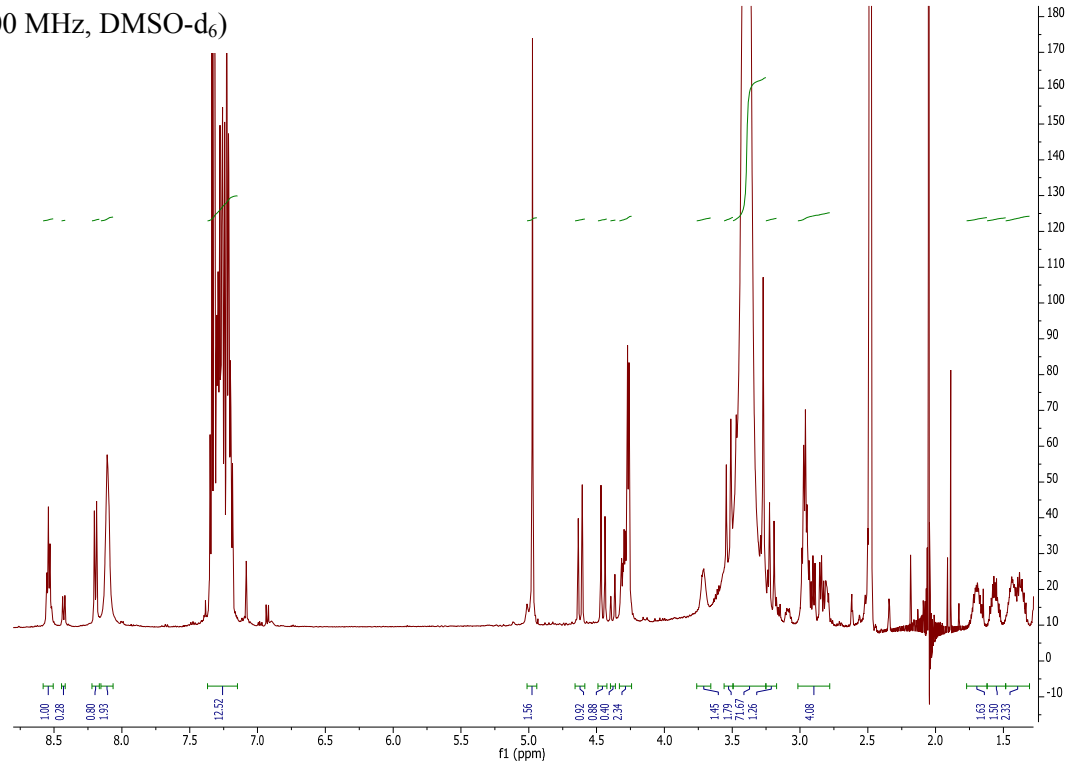
15c (125 MHz, $CDCl_3$)



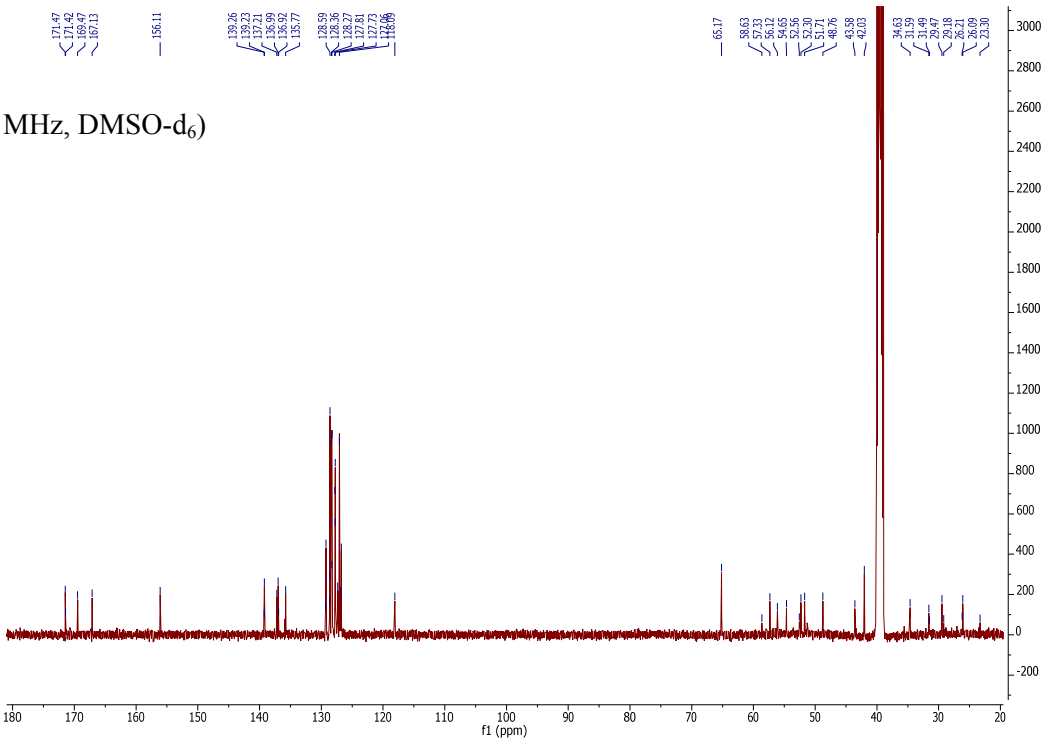


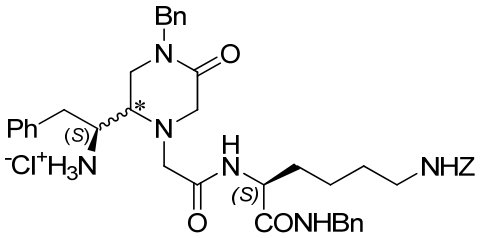
16a

16a (500 MHz, DMSO-d_6)



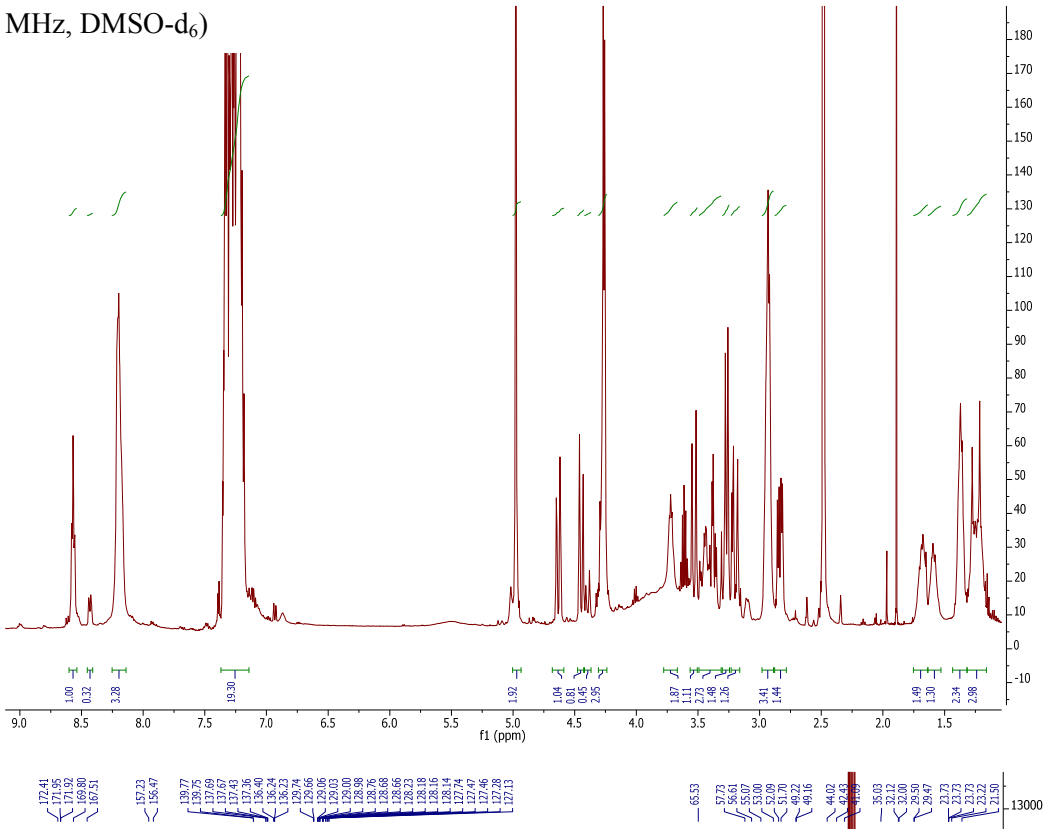
16a (125 MHz, DMSO-d_6)



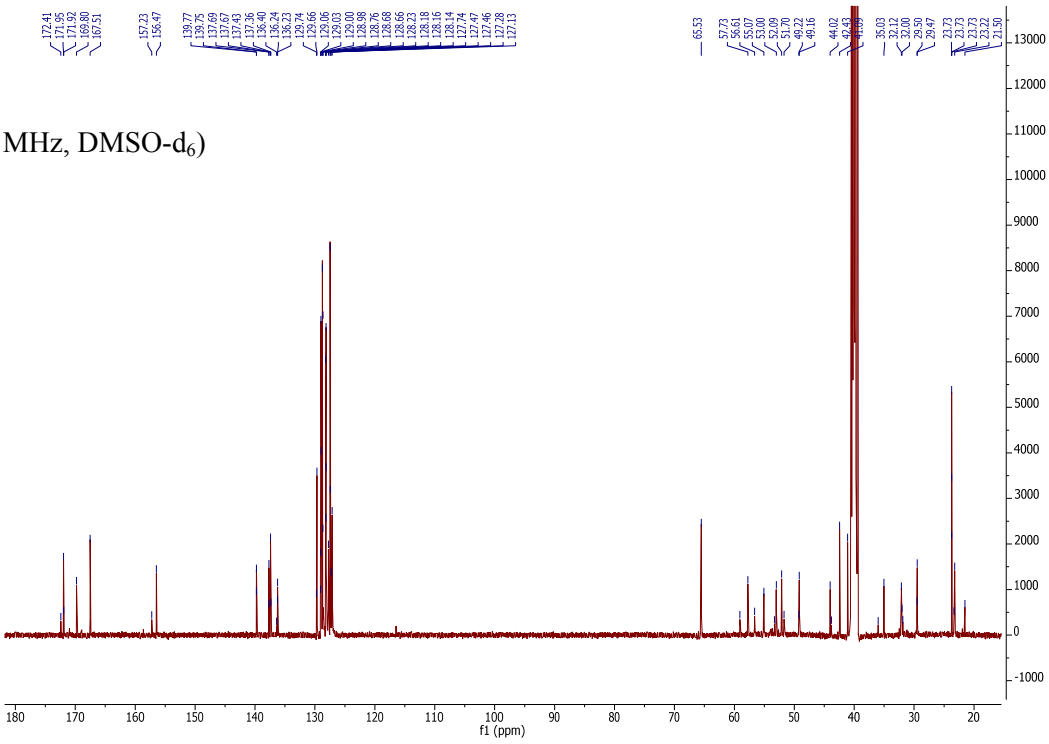


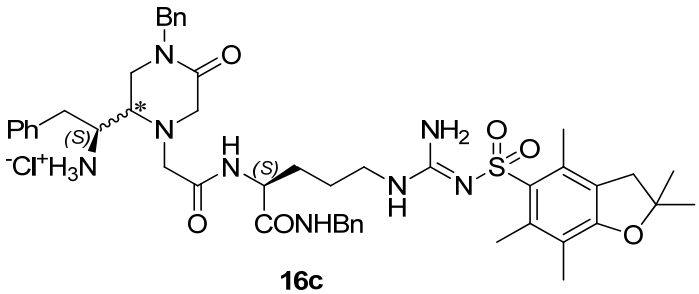
16b

16b (500 MHz, DMSO-d_6)



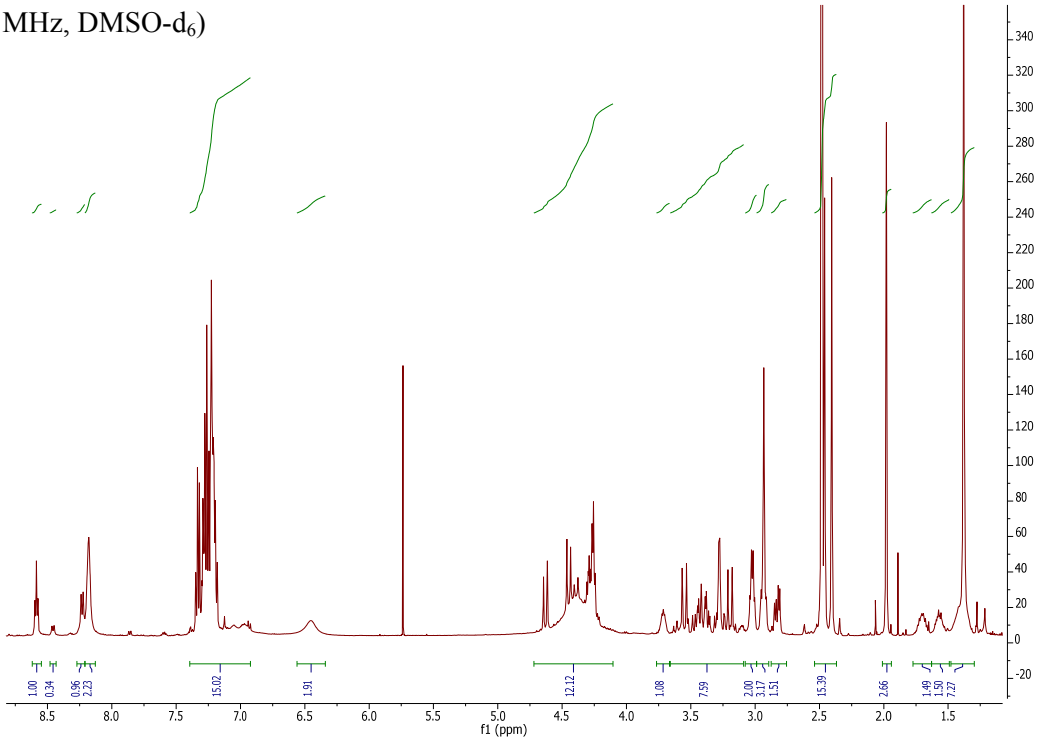
16b (125 MHz, DMSO-d_6)



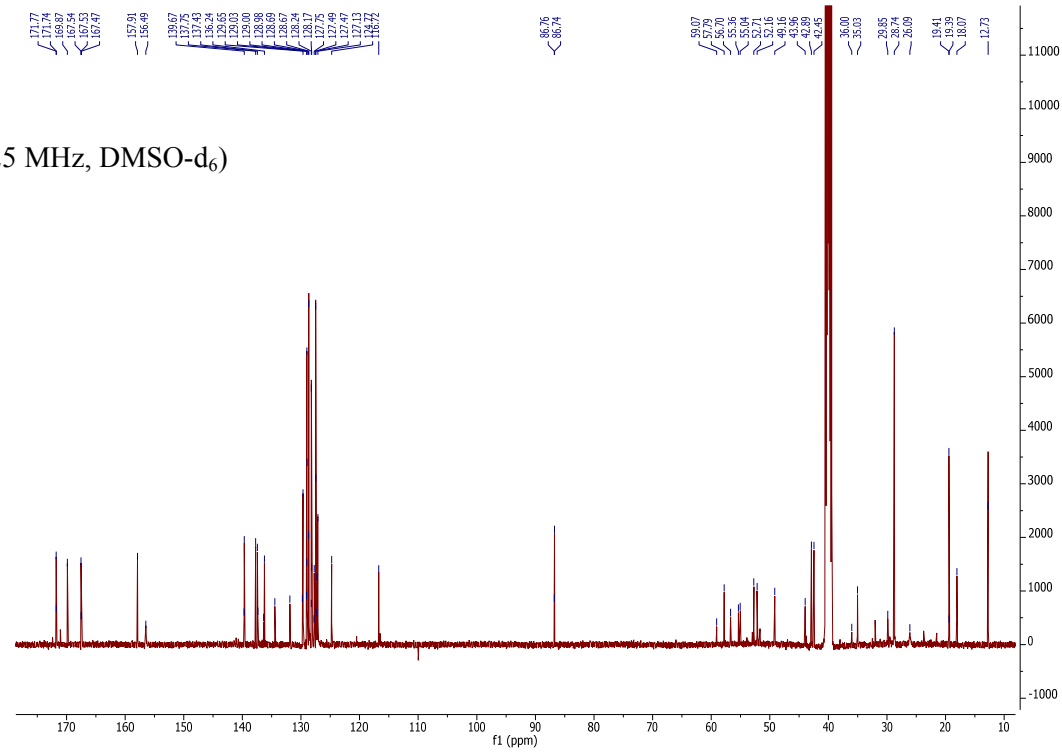


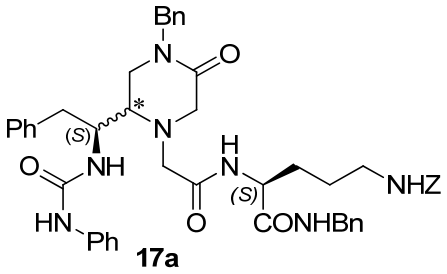
16c

16c (500 MHz, DMSO-d_6)



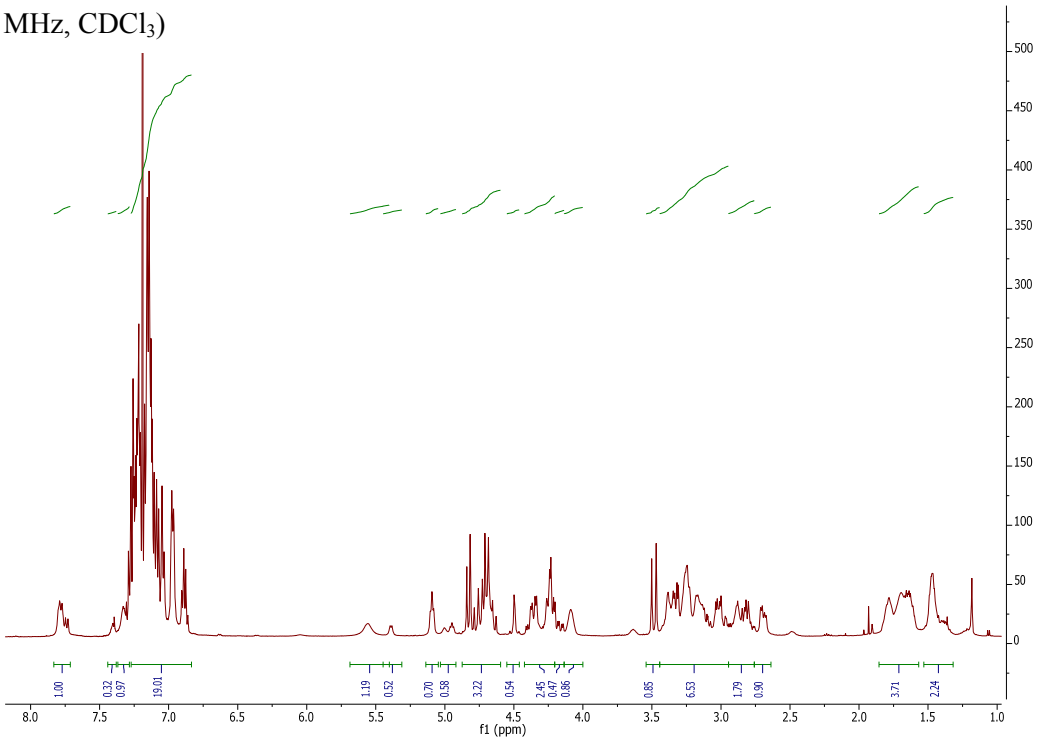
16cc (125 MHz, DMSO-d_6)



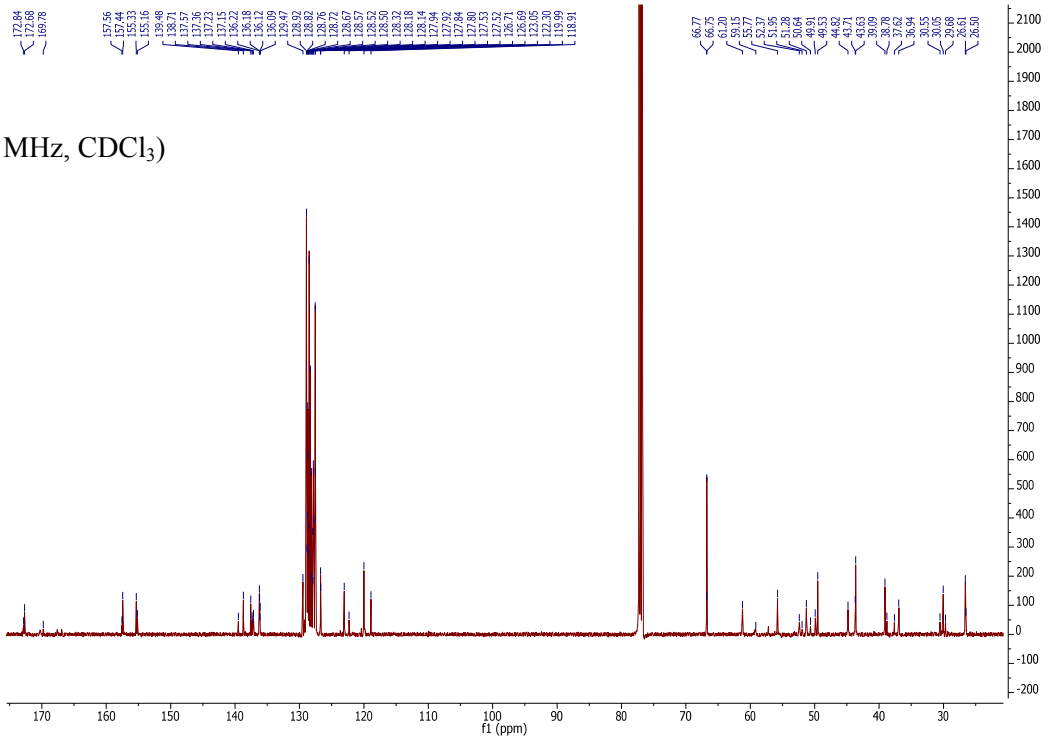


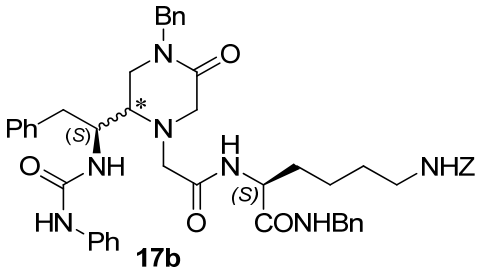
17a

17a (500 MHz, $CDCl_3$)



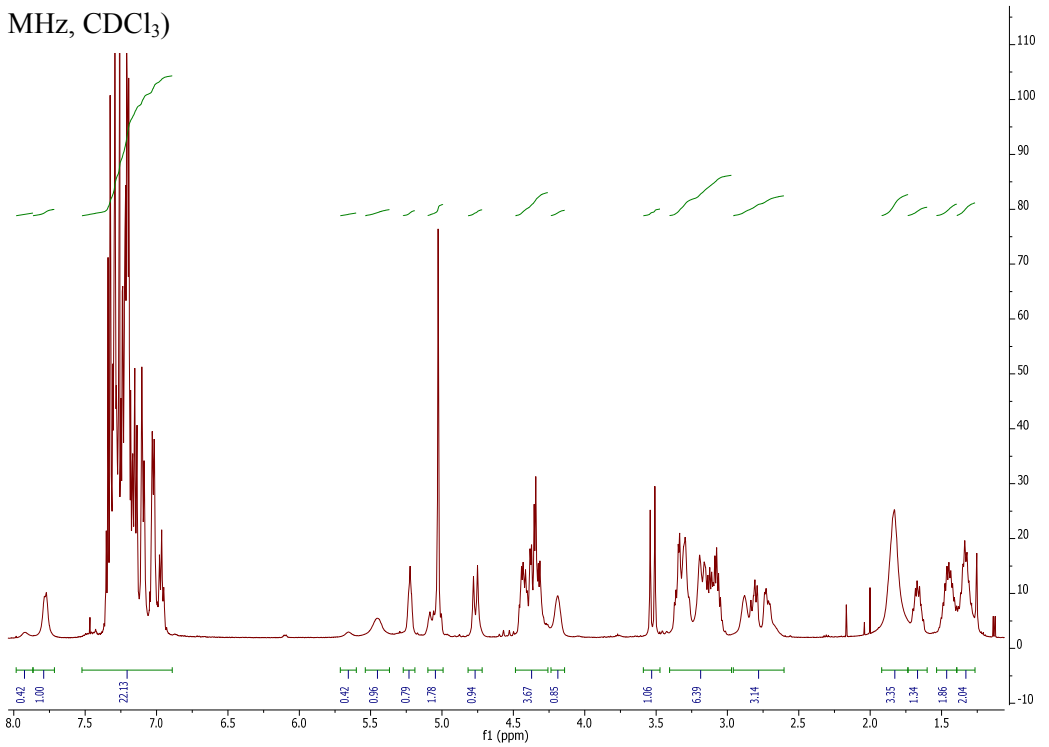
17a (125 MHz, $CDCl_3$)



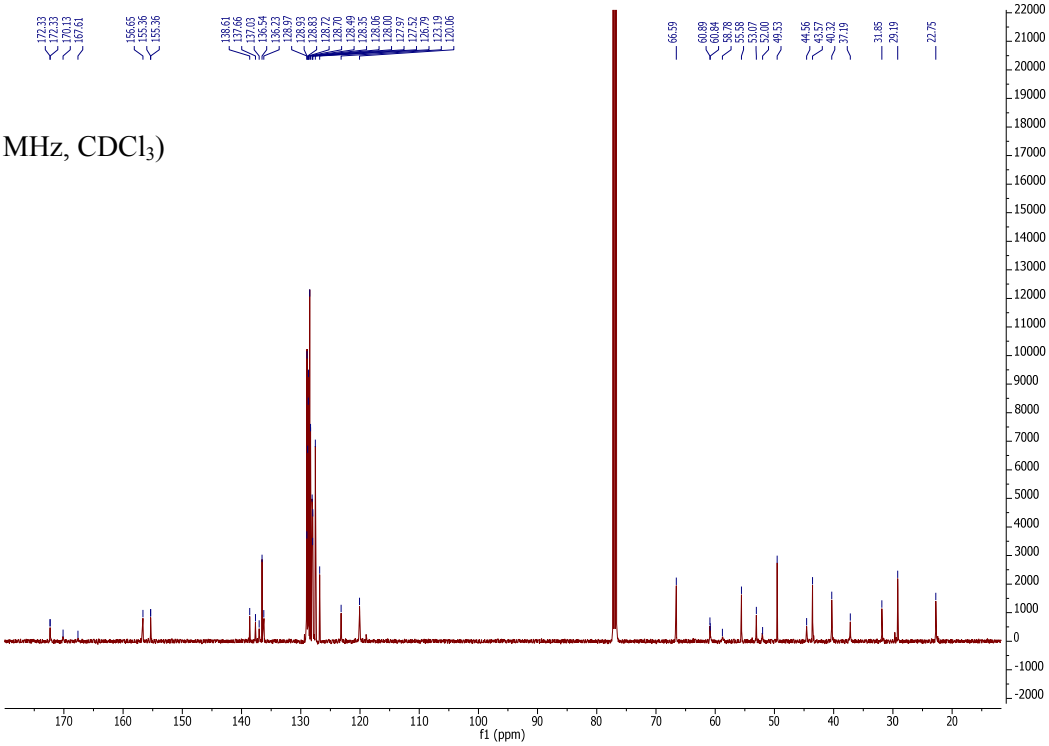


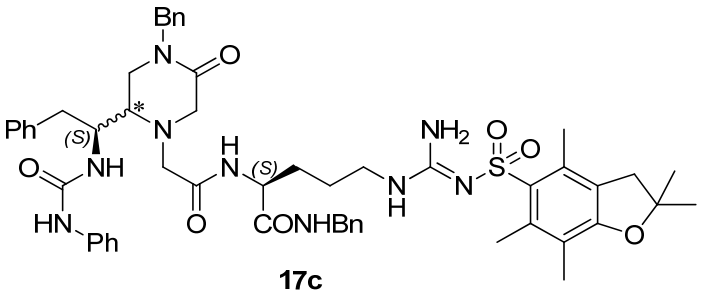
17b

17b (500 MHz, $CDCl_3$)



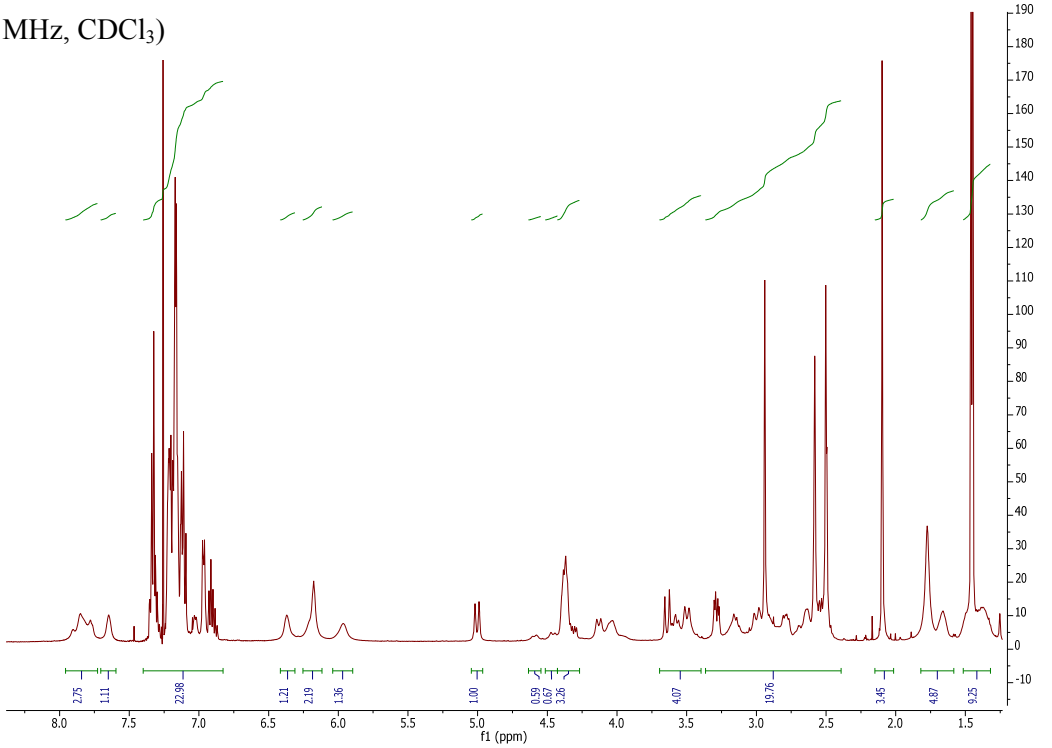
17b (125 MHz, $CDCl_3$)



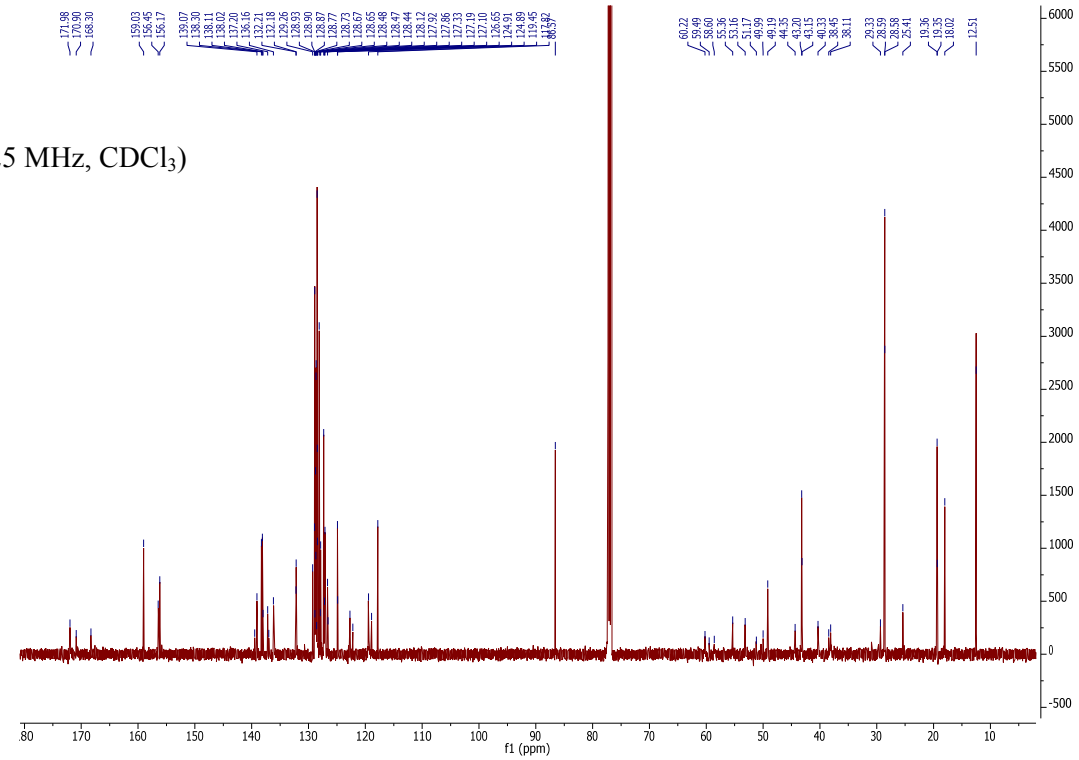


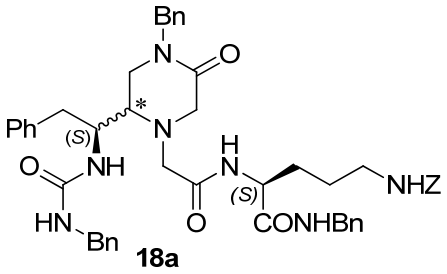
17c

17c (500 MHz, $CDCl_3$)



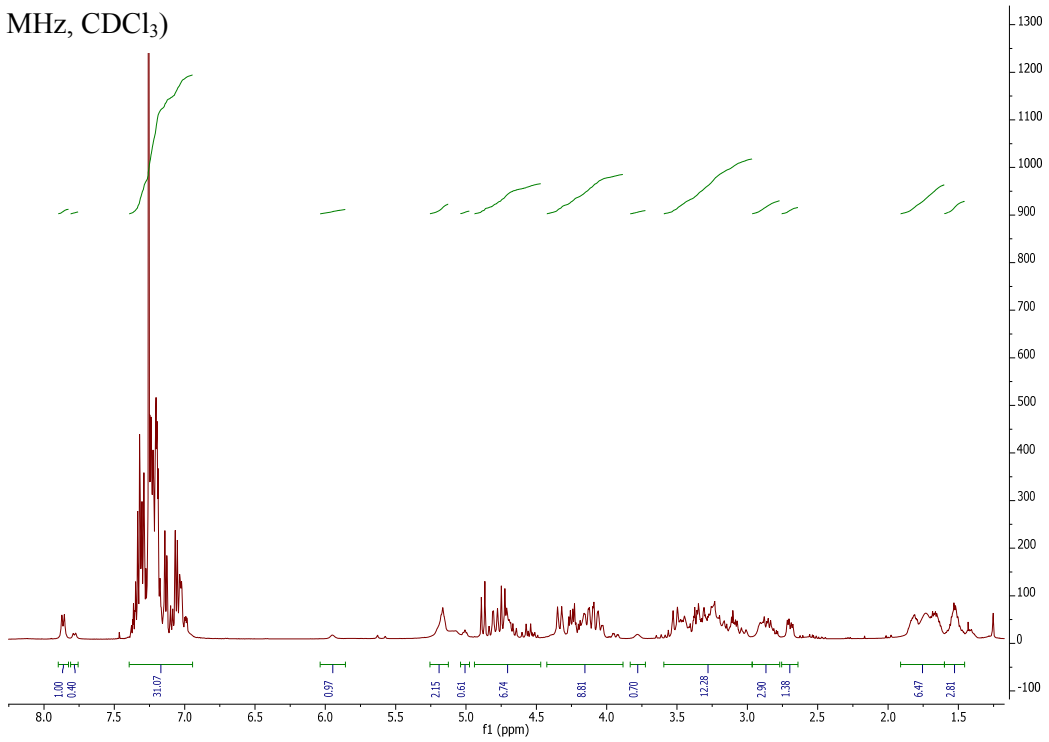
17c (125 MHz, $CDCl_3$)



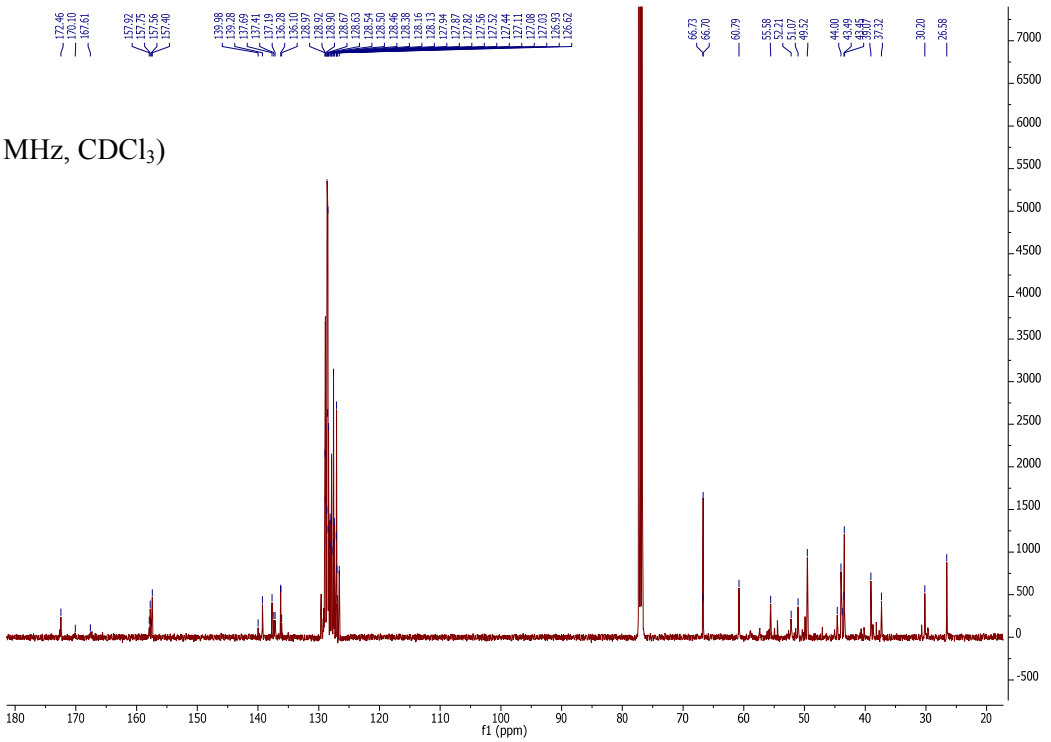


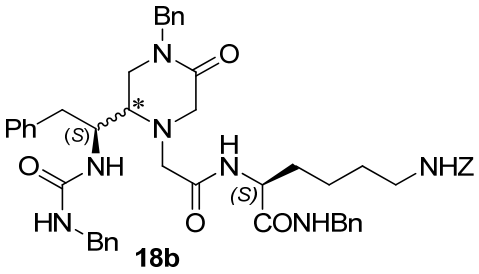
18a

18a (500 MHz, $CDCl_3$)



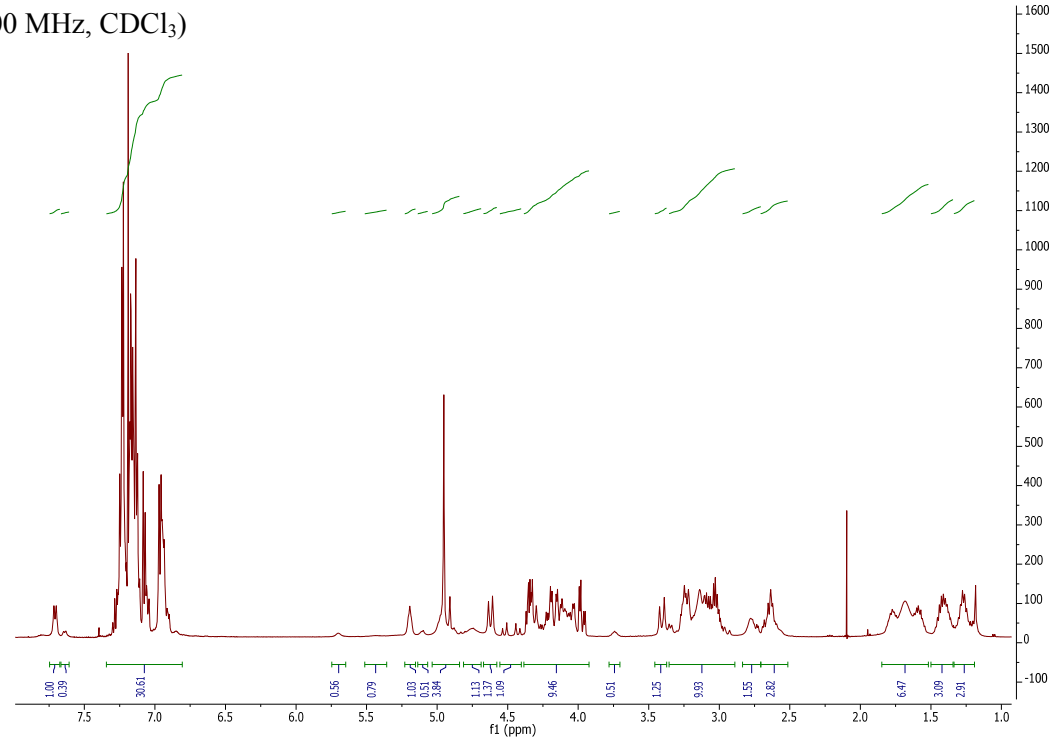
18a (125 MHz, $CDCl_3$)



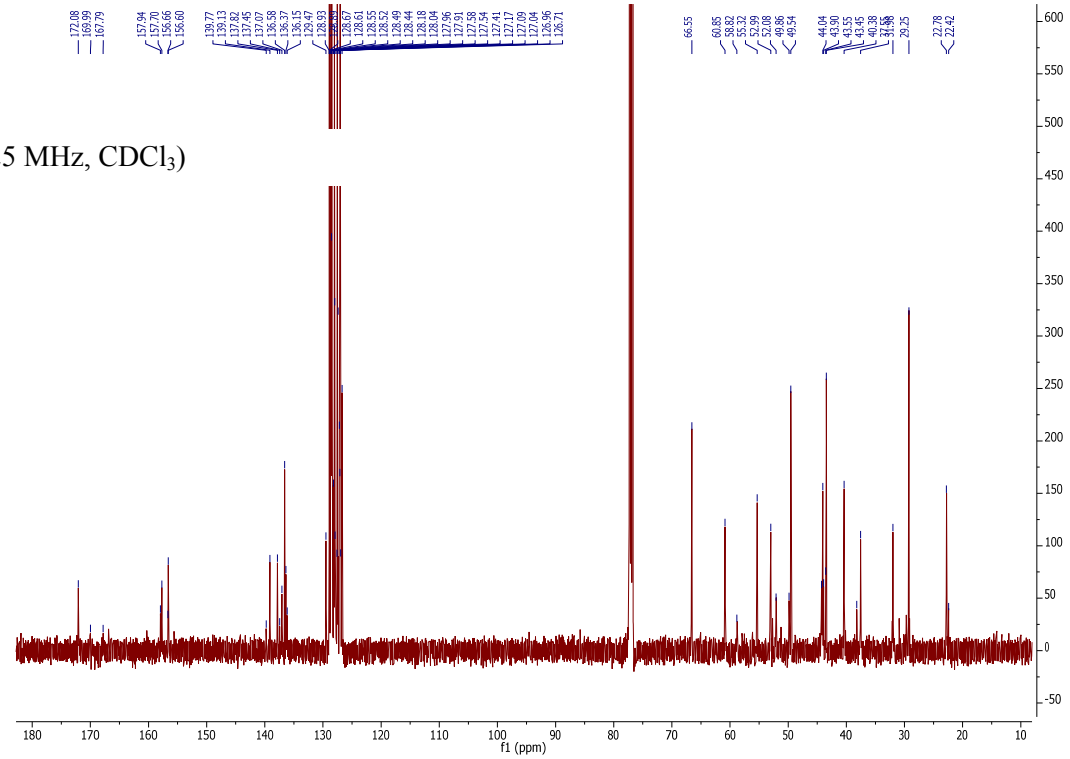


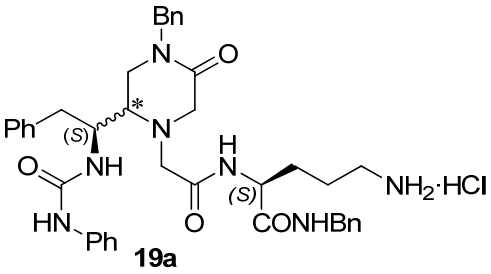
18b

(18b (500 MHz, $CDCl_3$)



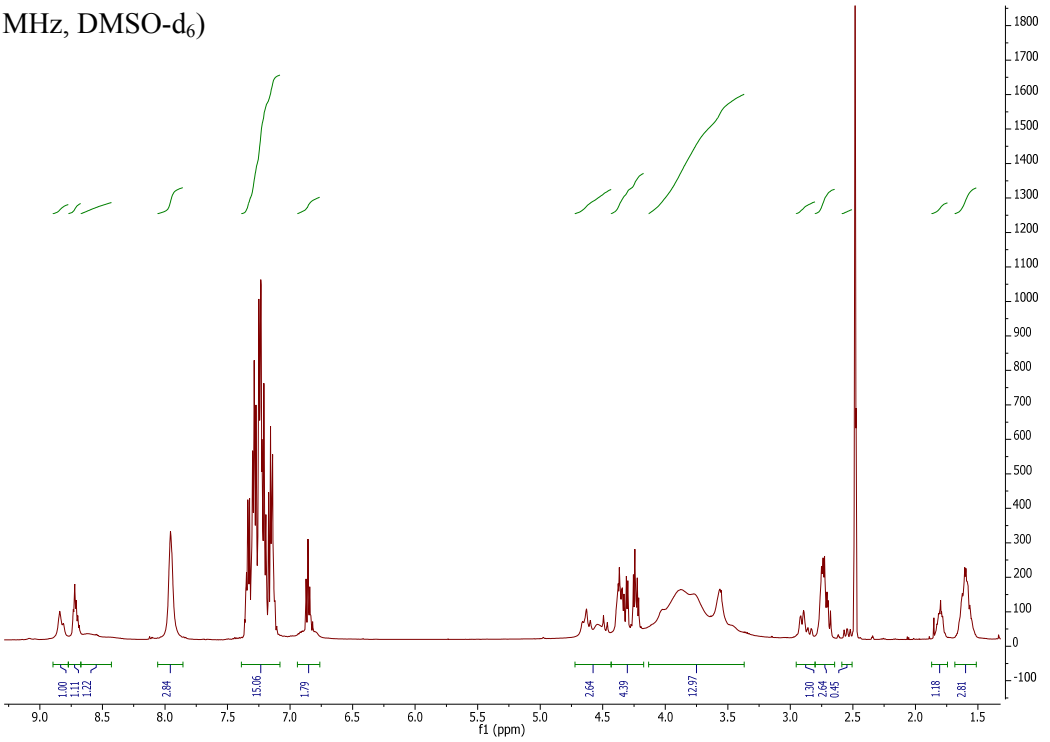
18b (125 MHz, $CDCl_3$)



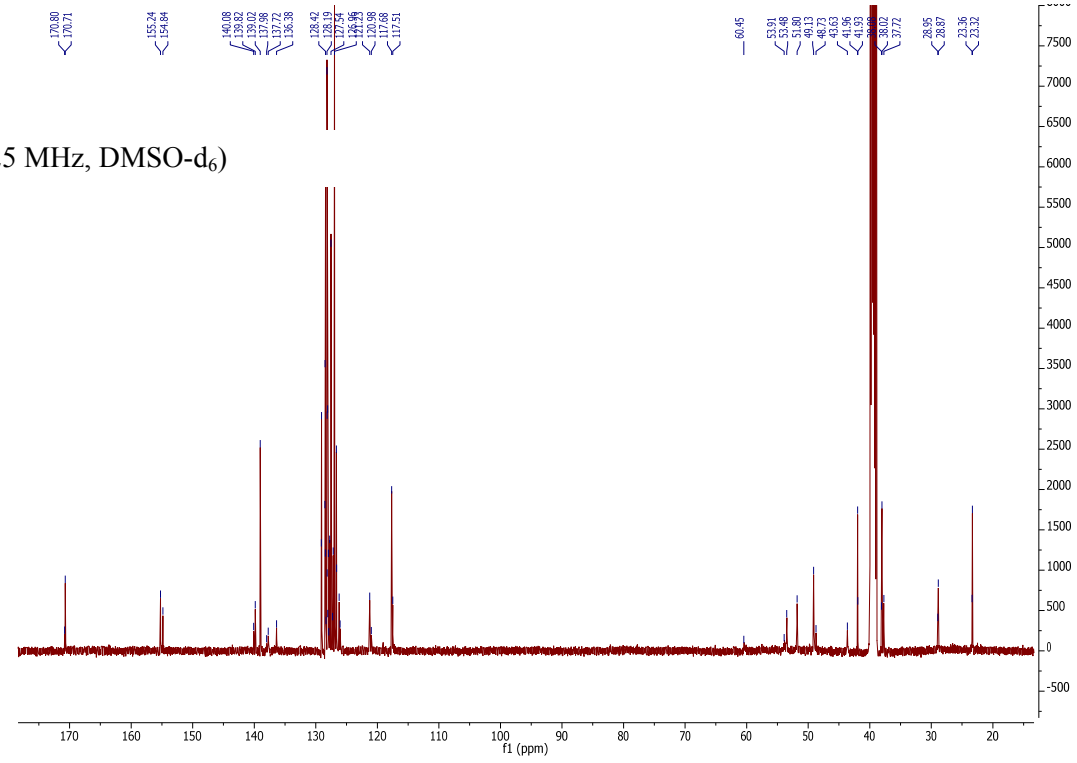


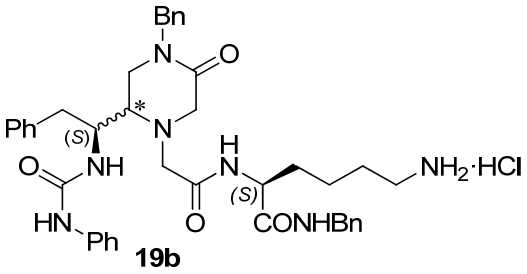
19a

19a (500 MHz, DMSO-d$_6$)



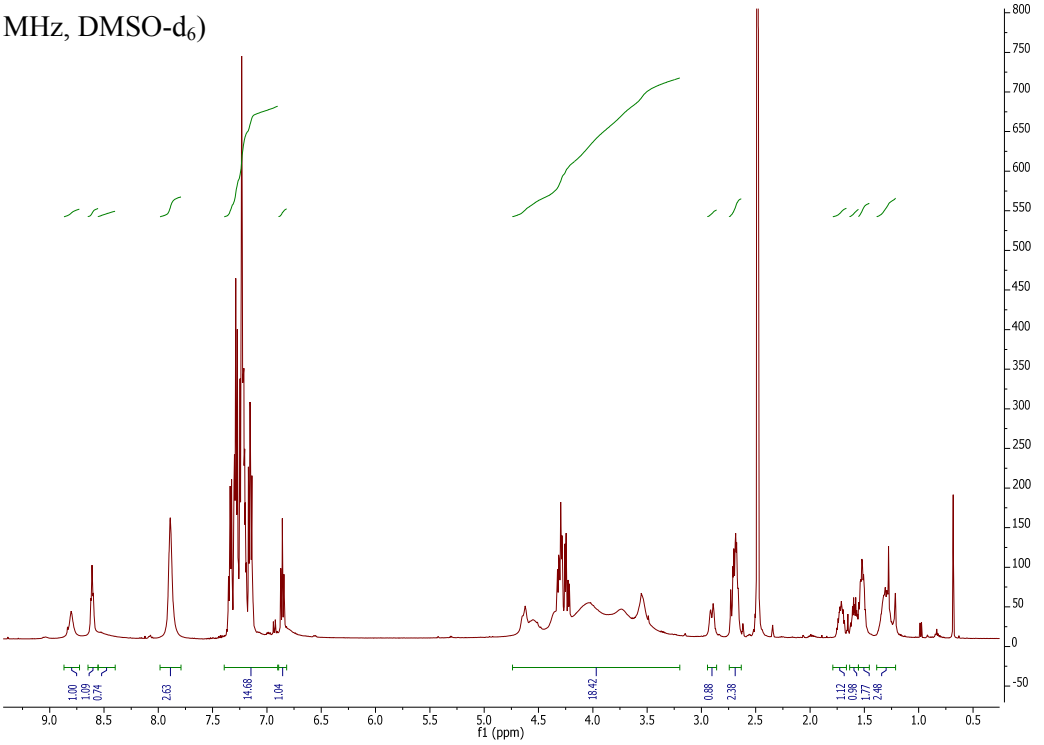
19a (125 MHz, DMSO-d$_6$)



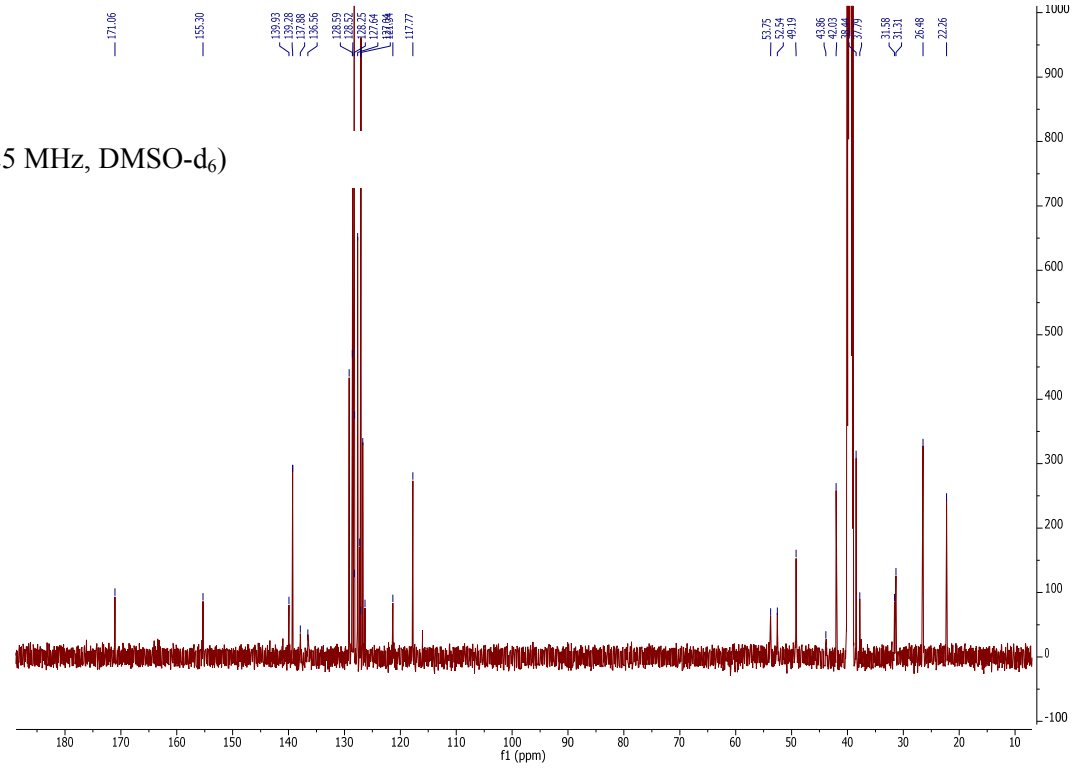


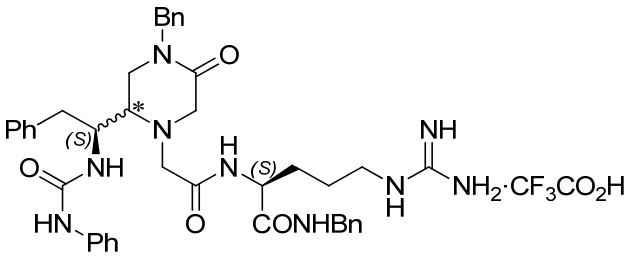
19b

19b (500 MHz, DMSO-d_6)



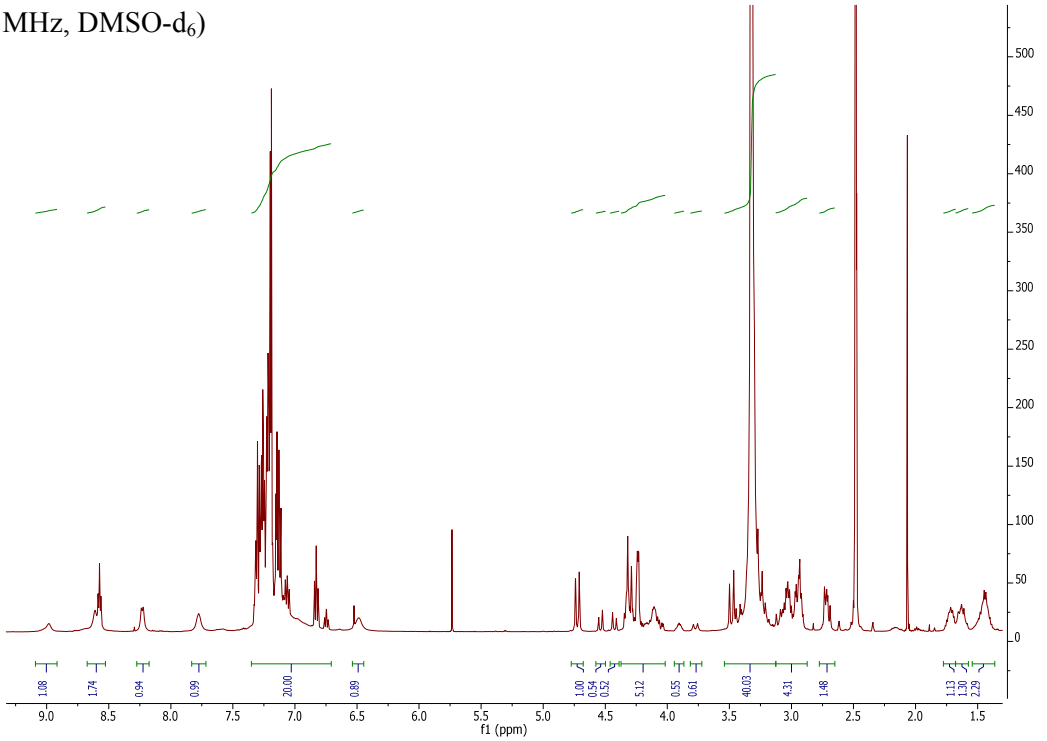
19b (125 MHz, DMSO-d_6)



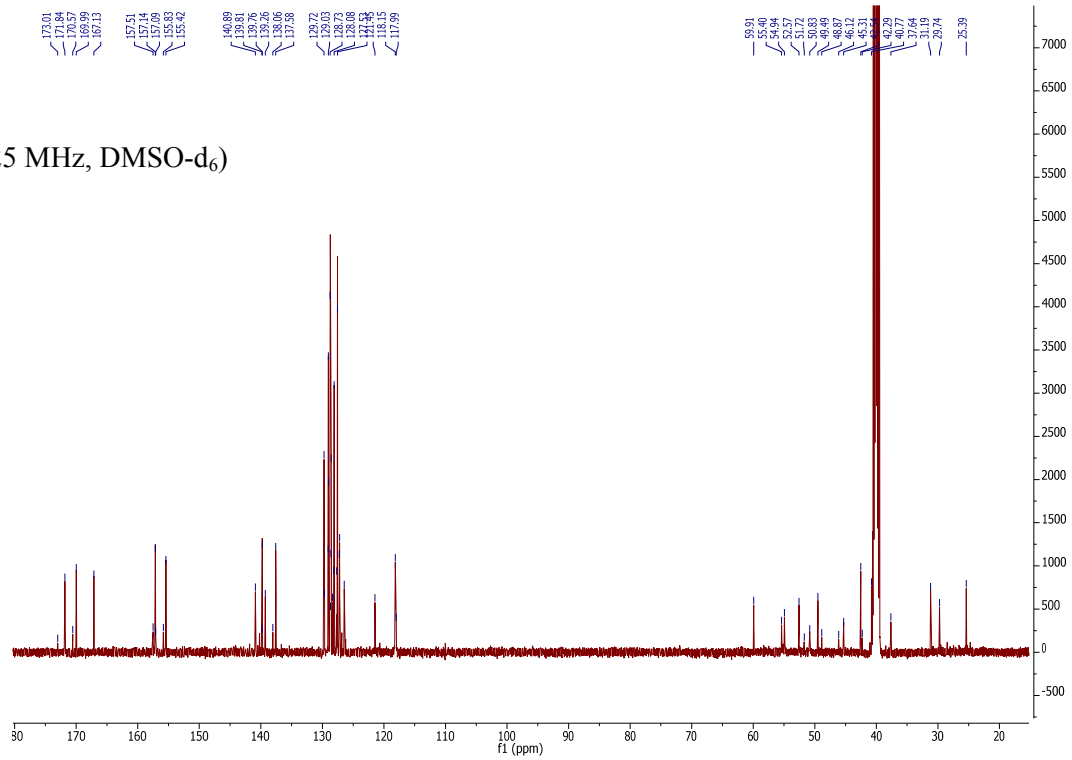


19c

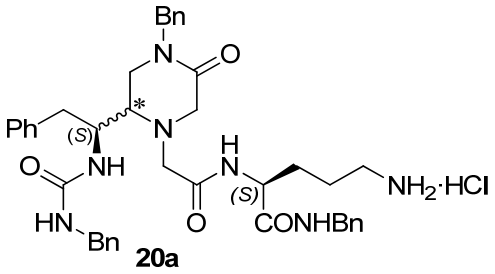
19c (500 MHz, DMSO-d_6)



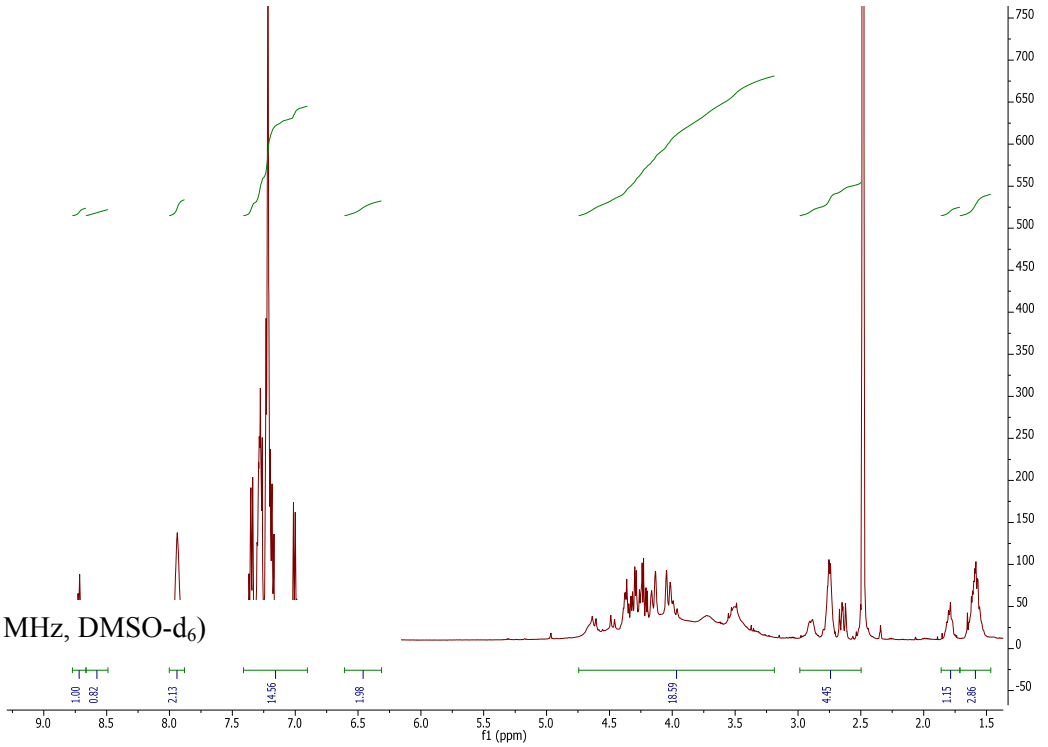
19c (125 MHz, DMSO-d_6)



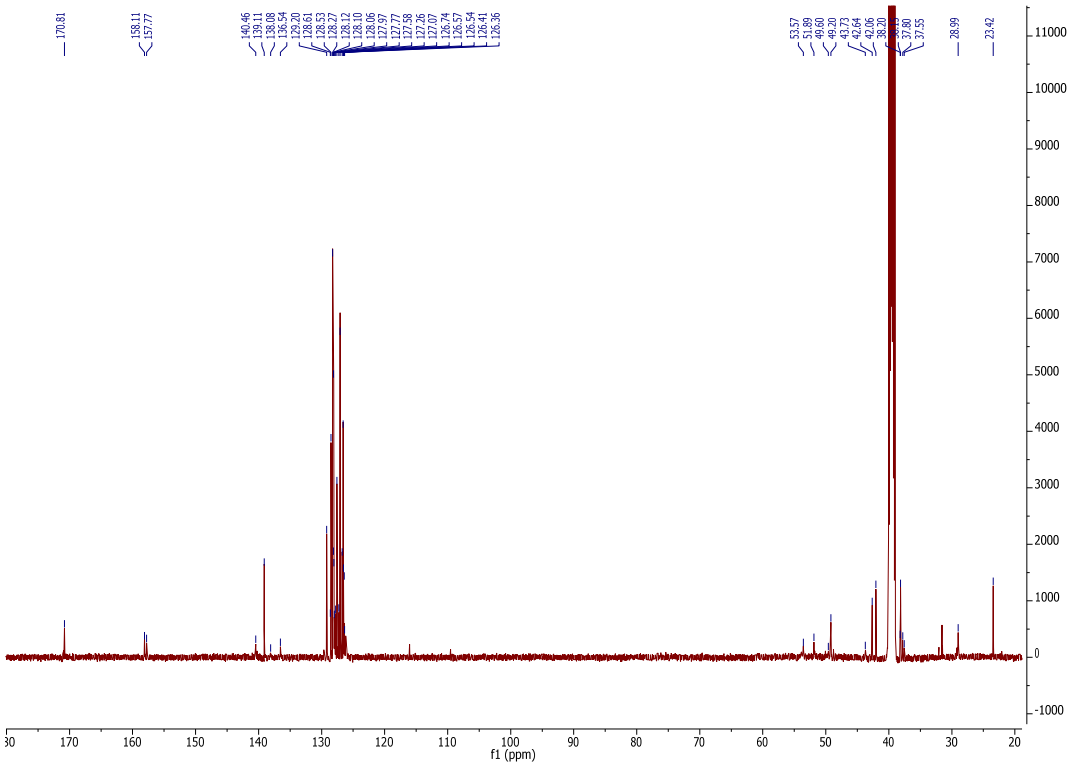
20a (500 MHz, DMSO-d_6)

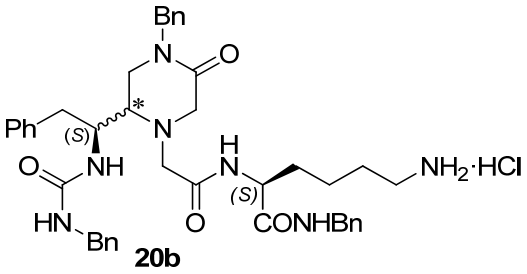


20a



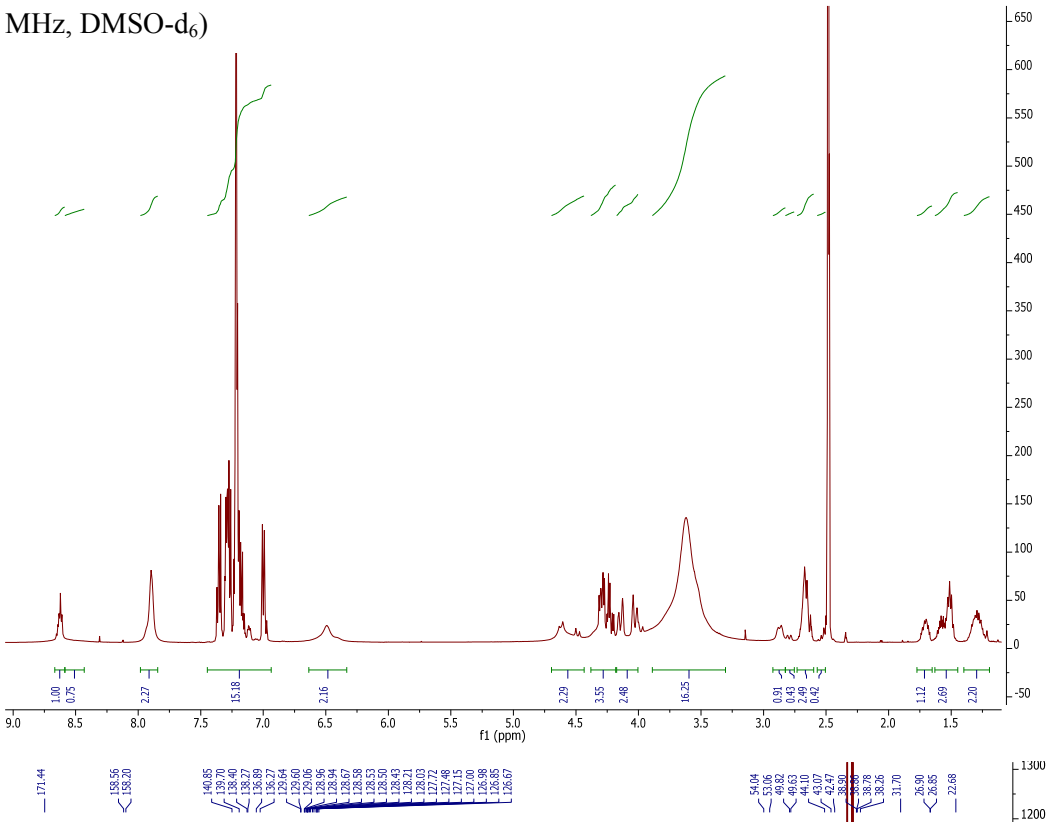
20a (125 MHz, DMSO-d_6)



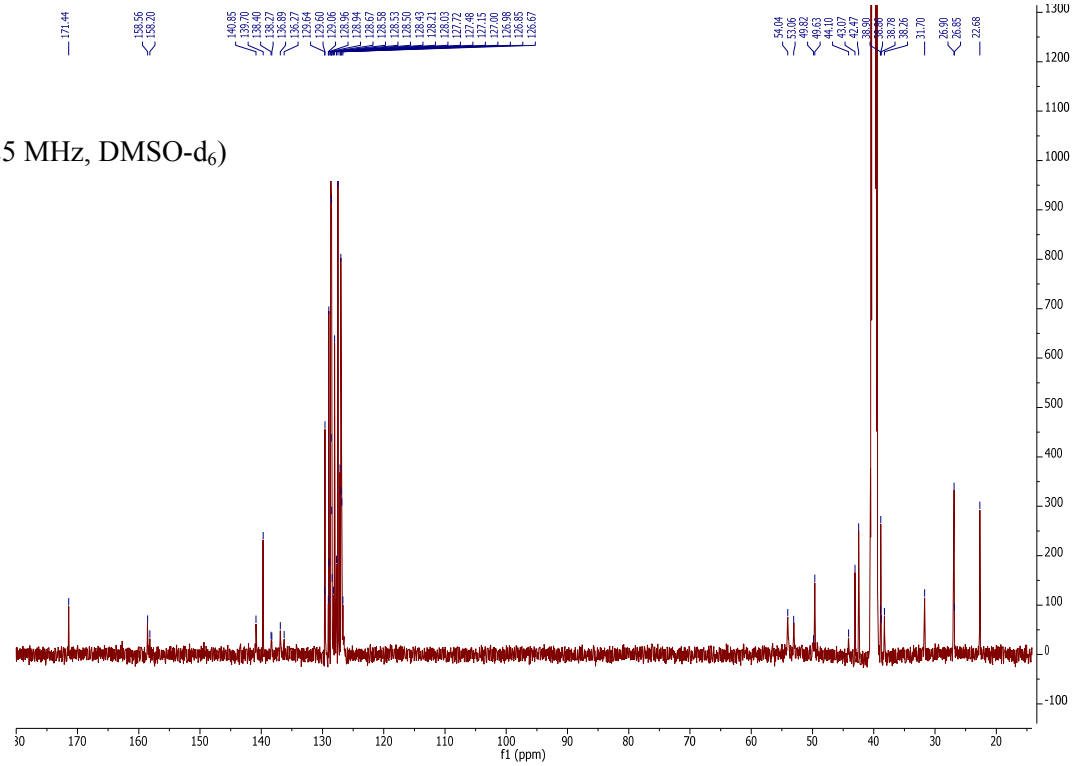


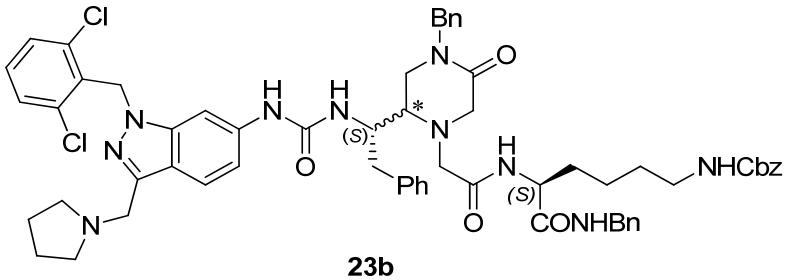
20b

20b (500 MHz, DMSO-d_6)



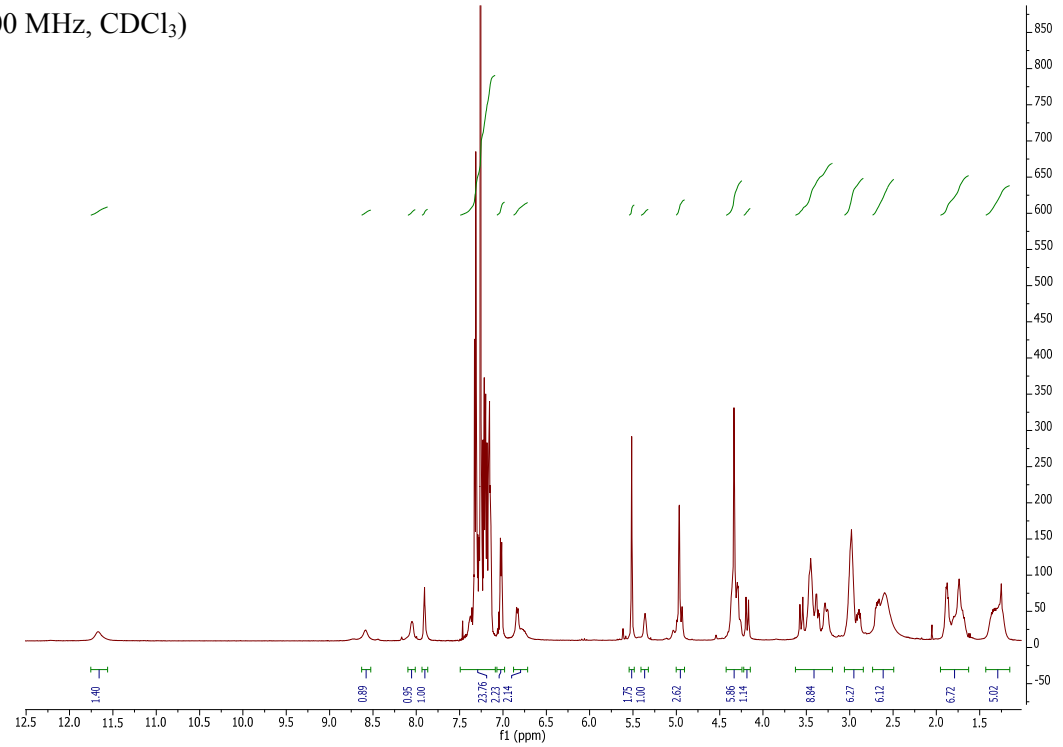
20b (125 MHz, DMSO-d_6)



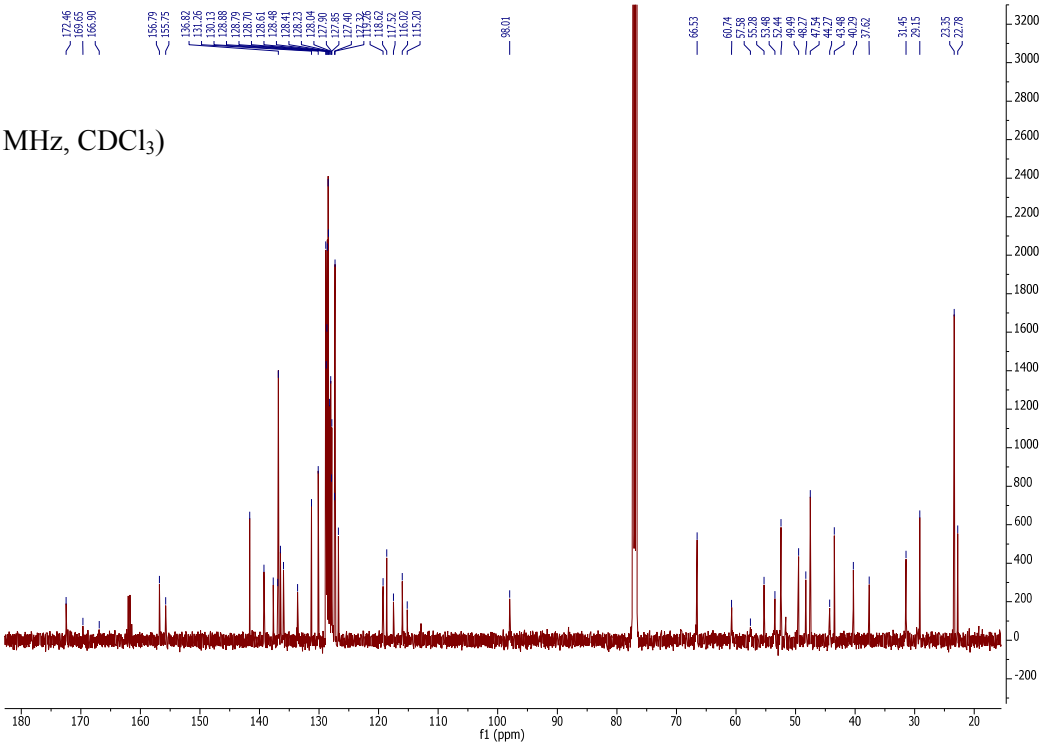


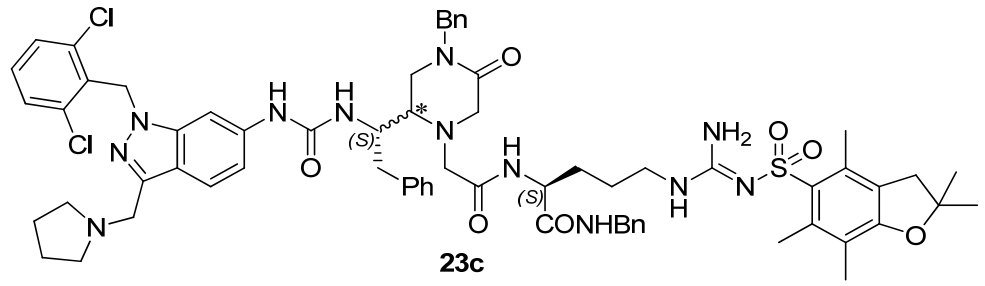
23b

23b (500 MHz, $CDCl_3$)



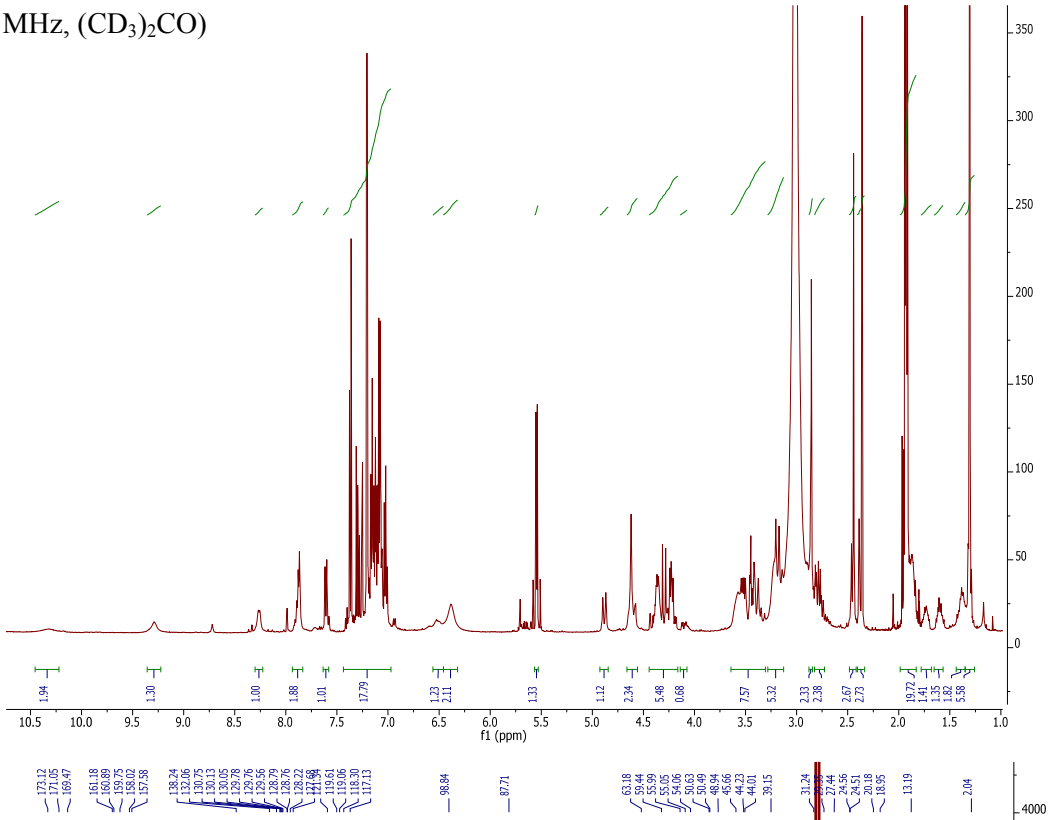
23b (125 MHz, $CDCl_3$)



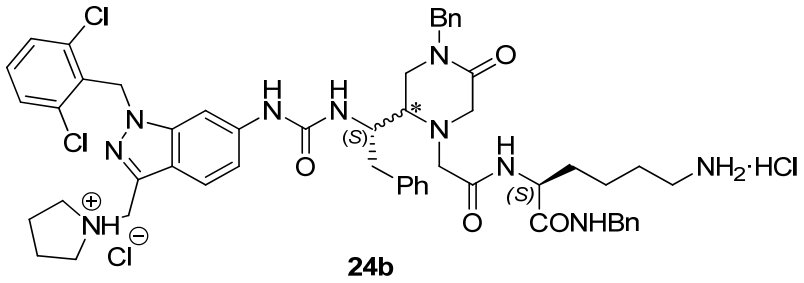


23c

23c (500 MHz, $(CD_3)_2CO$)

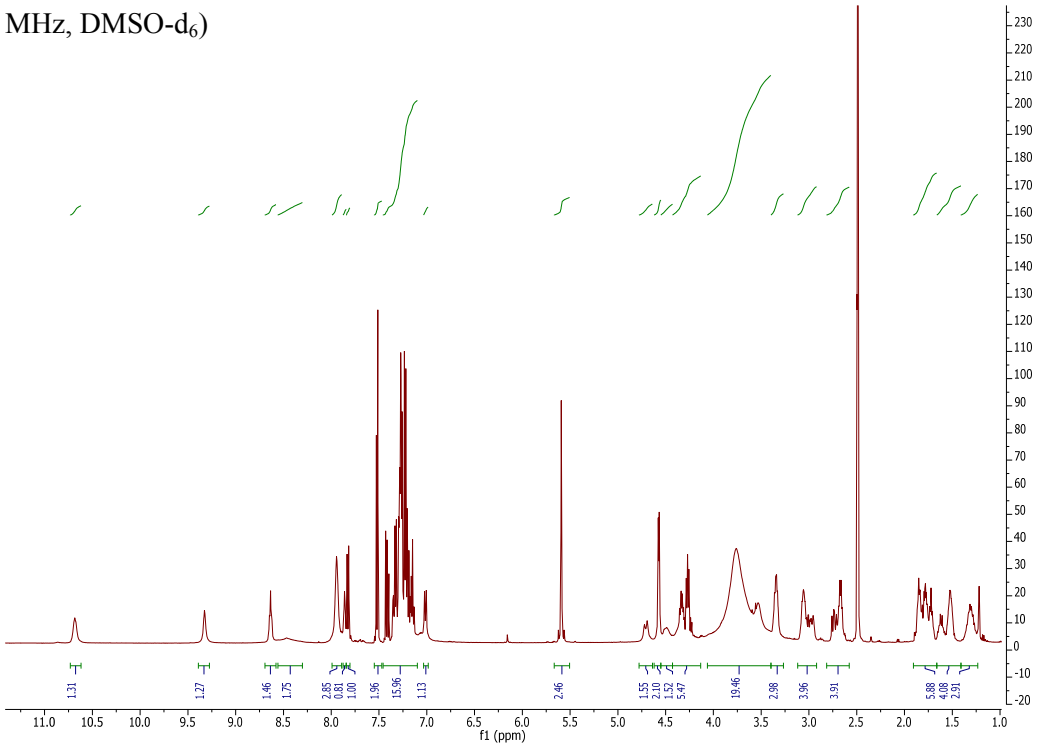


23c (125 MHz, $(CD_3)_2CO$)

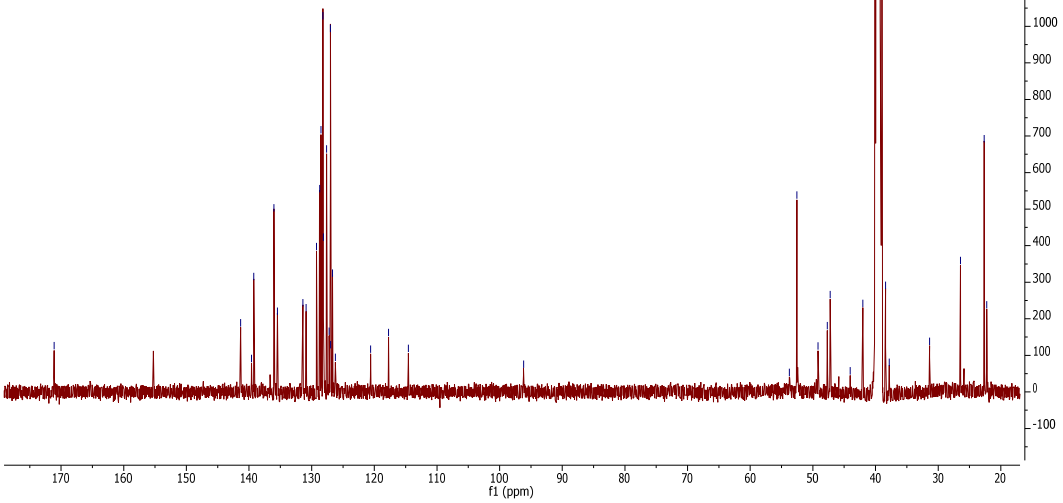


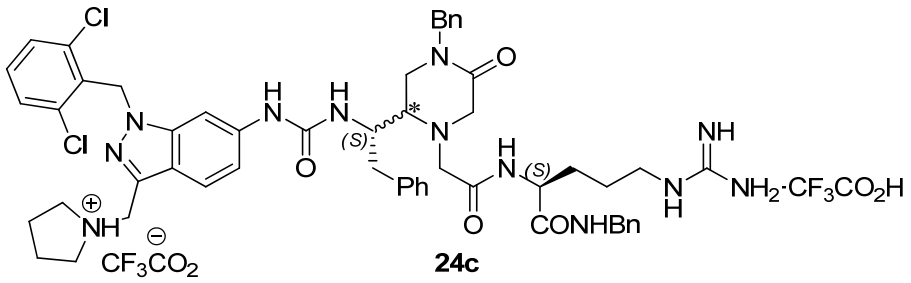
24b

24b (500 MHz, DMSO-d_6)



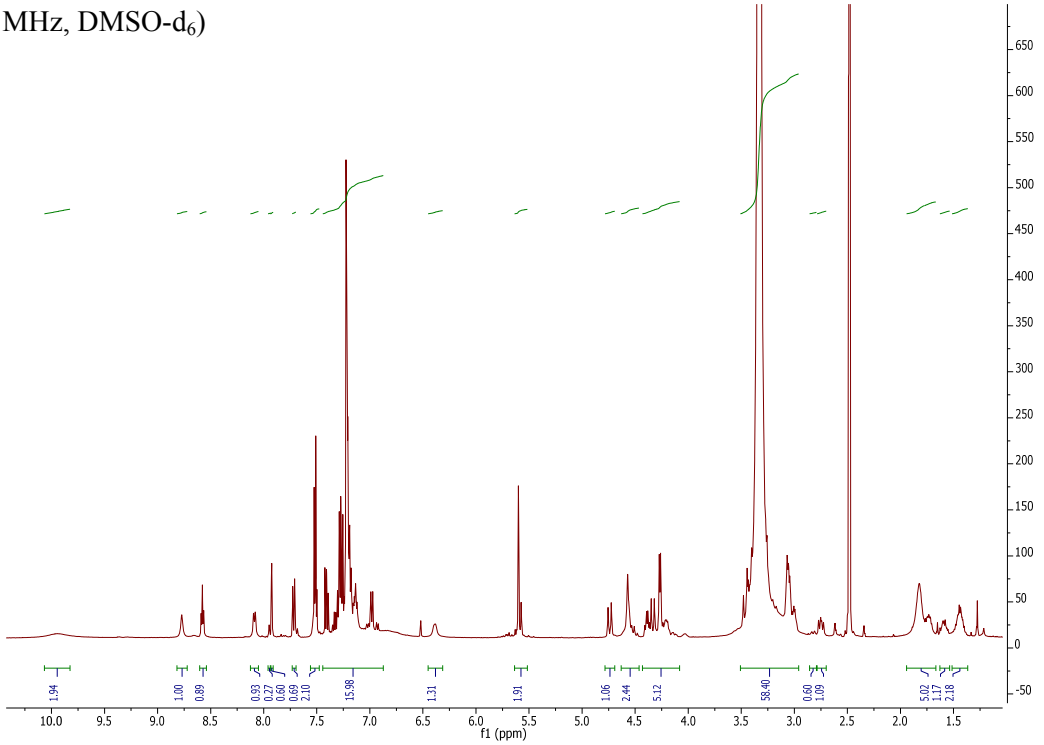
24b (125 MHz, DMSO-d_6)





24c

24c (500 MHz, DMSO-d_6)



24c (125 MHz, DMSO-d_6)