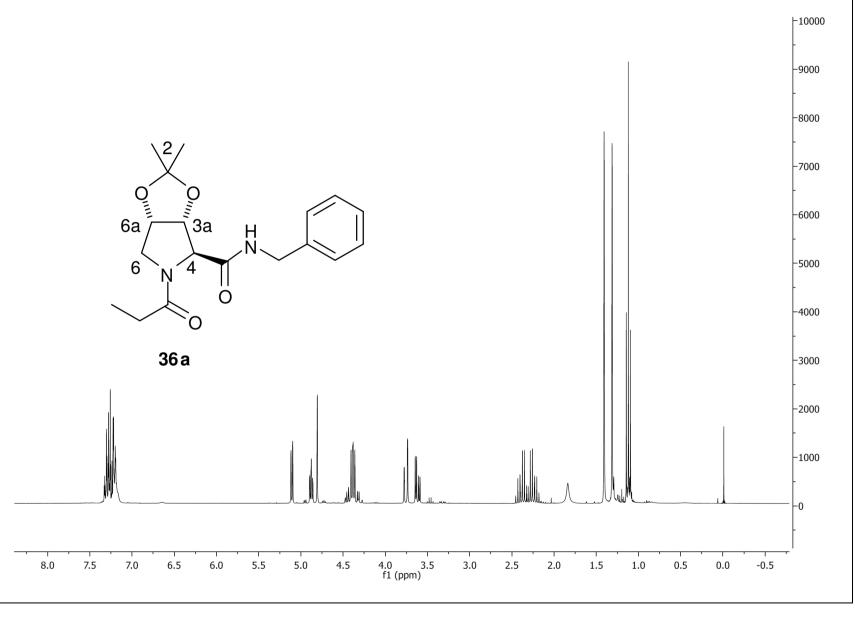
## Diversity oriented and chemoenzymatic synthesis of densely functionalized pyrrolidines through a highly diastereoselective Ugi multicomponent reaction

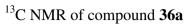
Valentina Cerulli, Luca Banfi, Andrea Basso, Valeria Rocca, Renata Riva

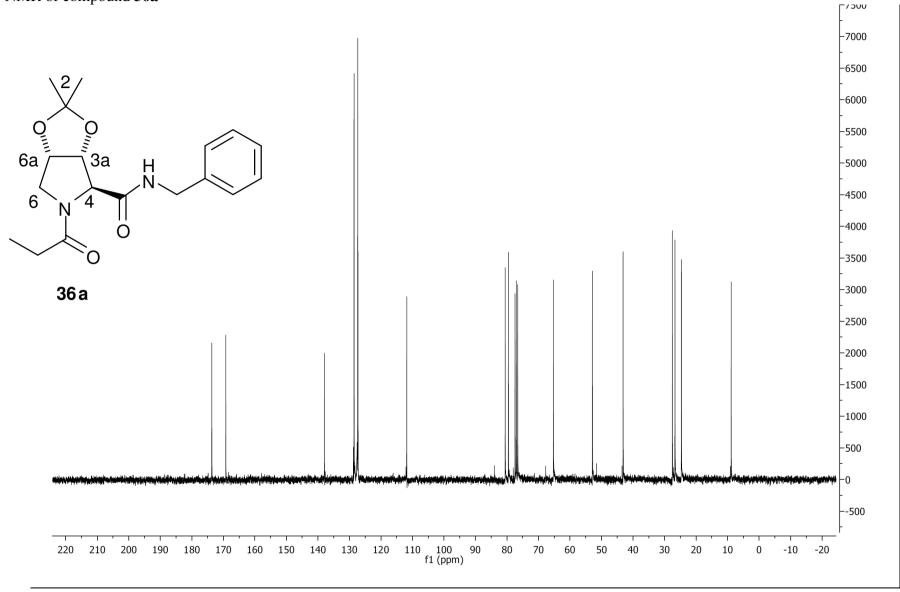
**Supporting Information** 

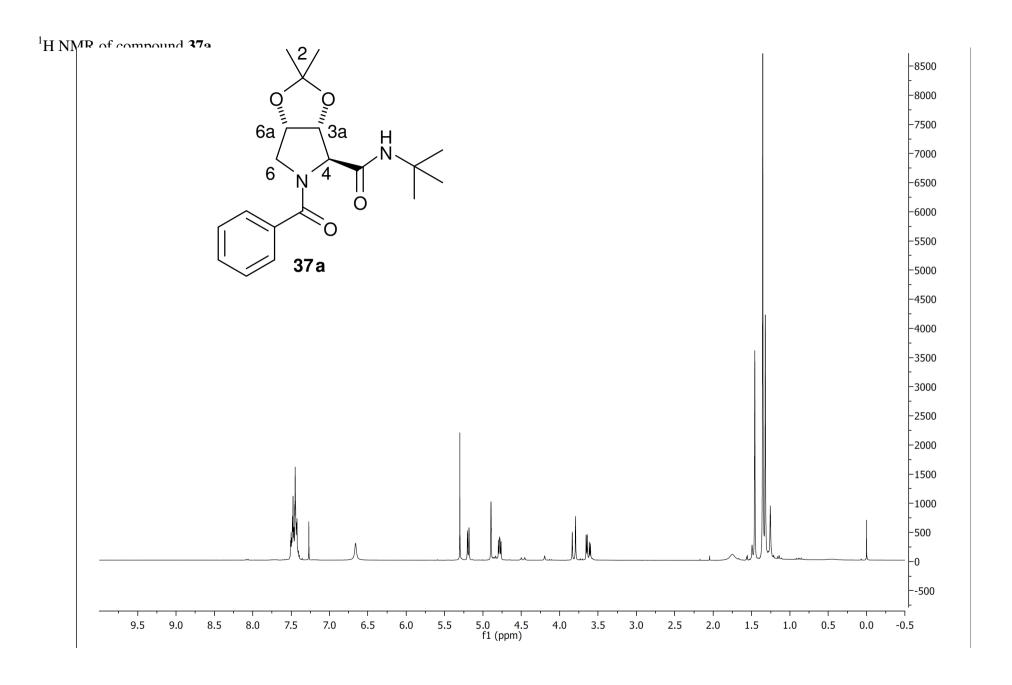
<sup>1</sup>H AND <sup>13</sup>C NMR SPECTRA OF NEW COMPOUNDS (PART II)



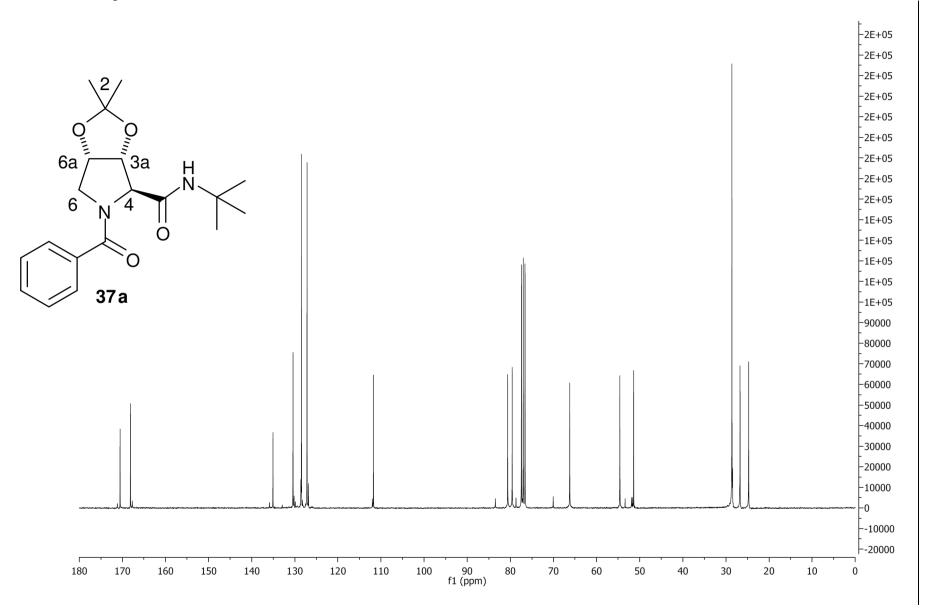




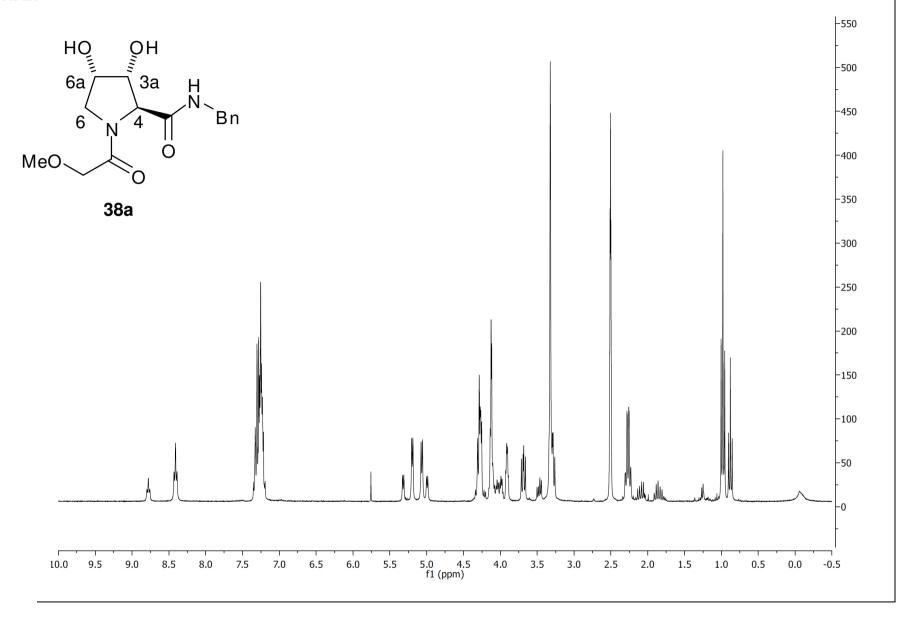


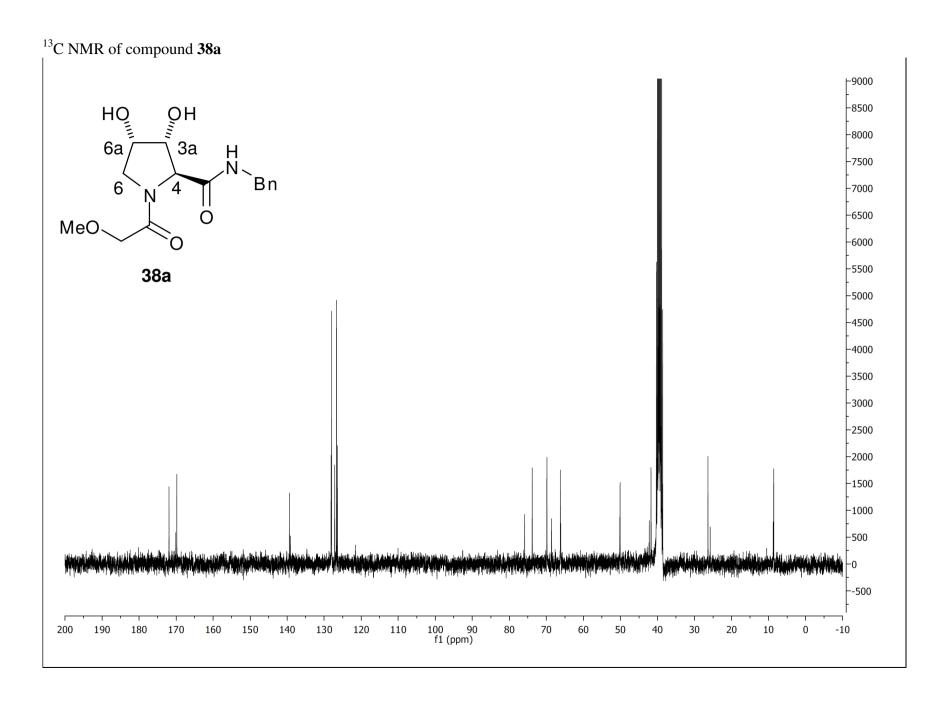


<sup>13</sup>C NMR of compound **37a** 

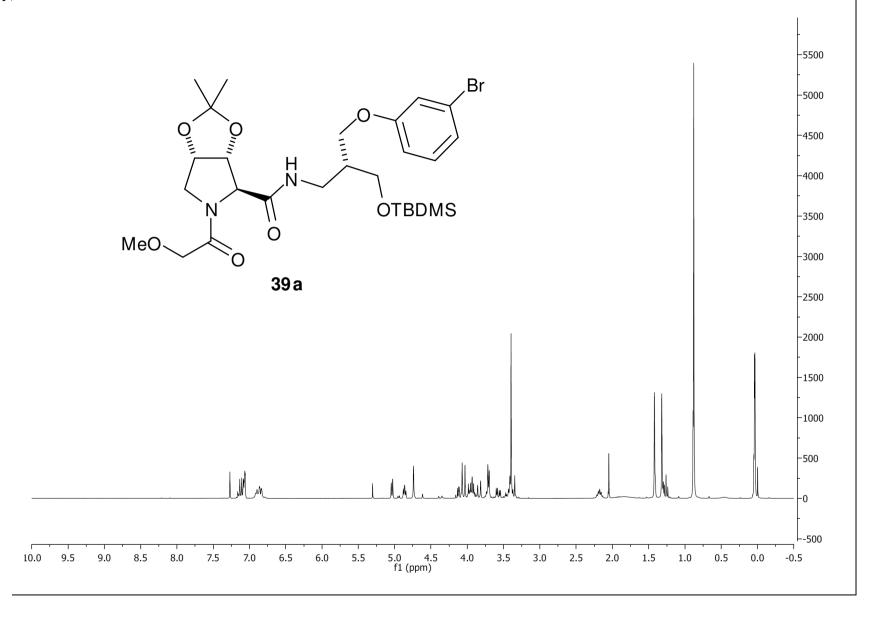




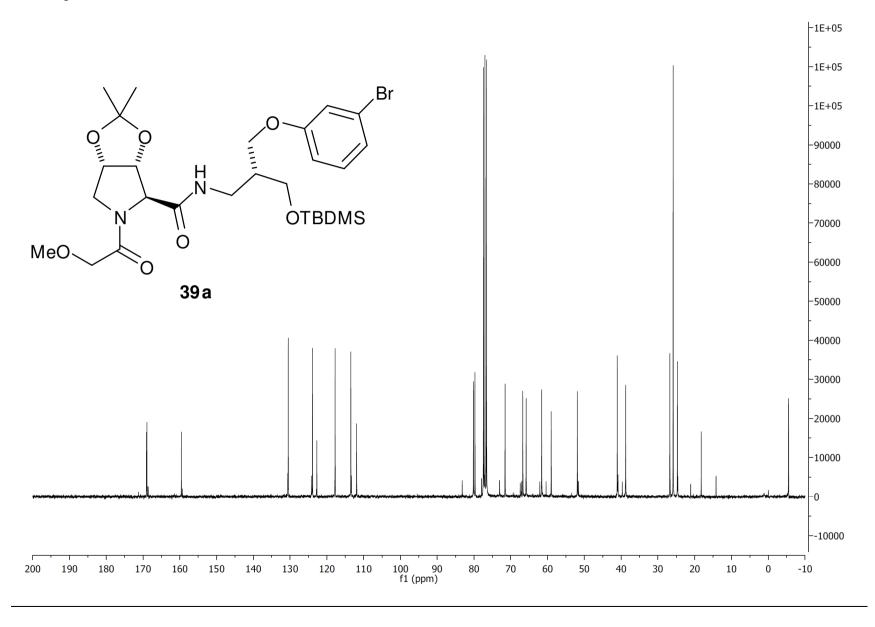




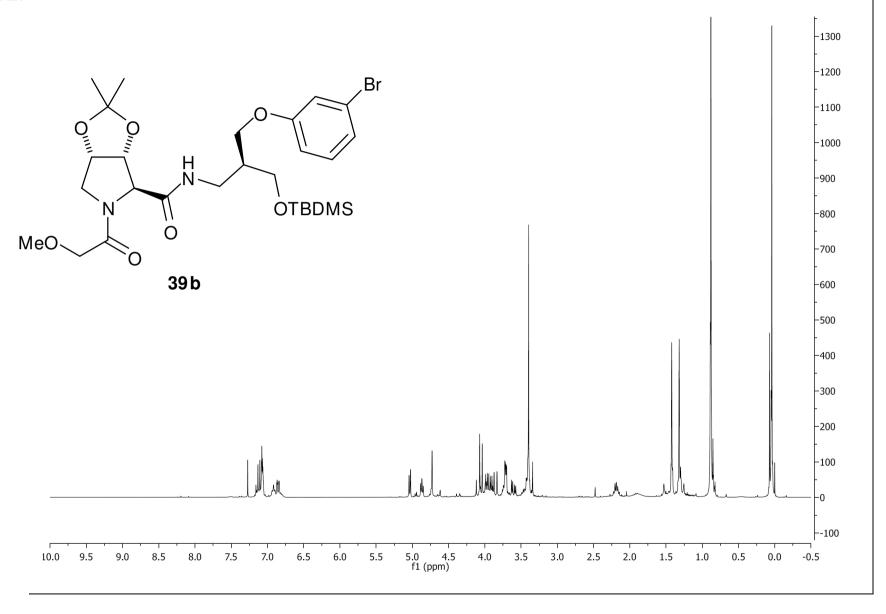


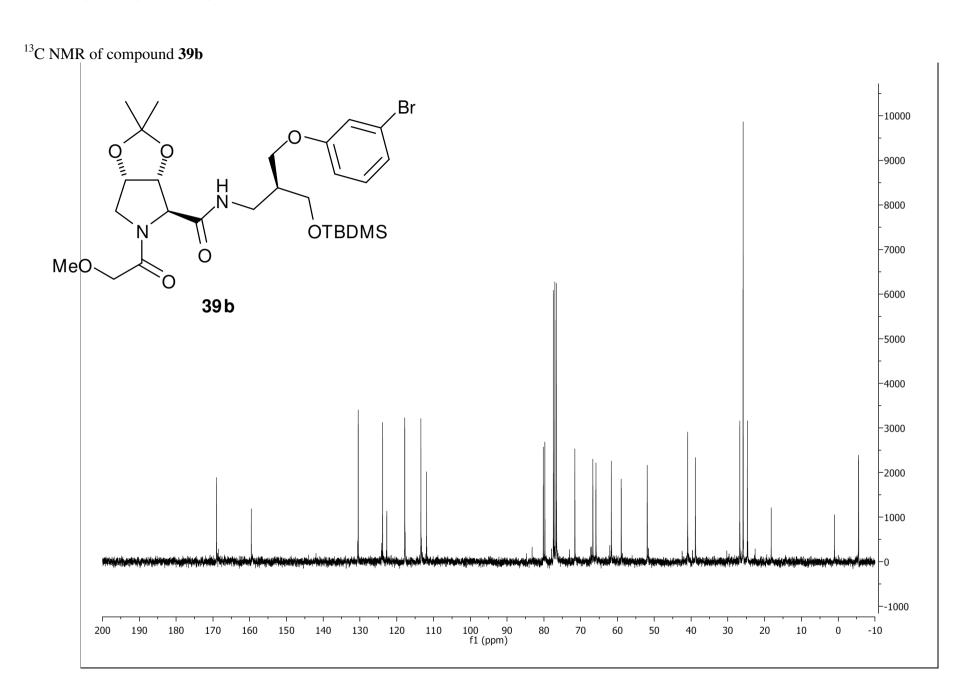


<sup>13</sup>C NMR of compound **39a** 

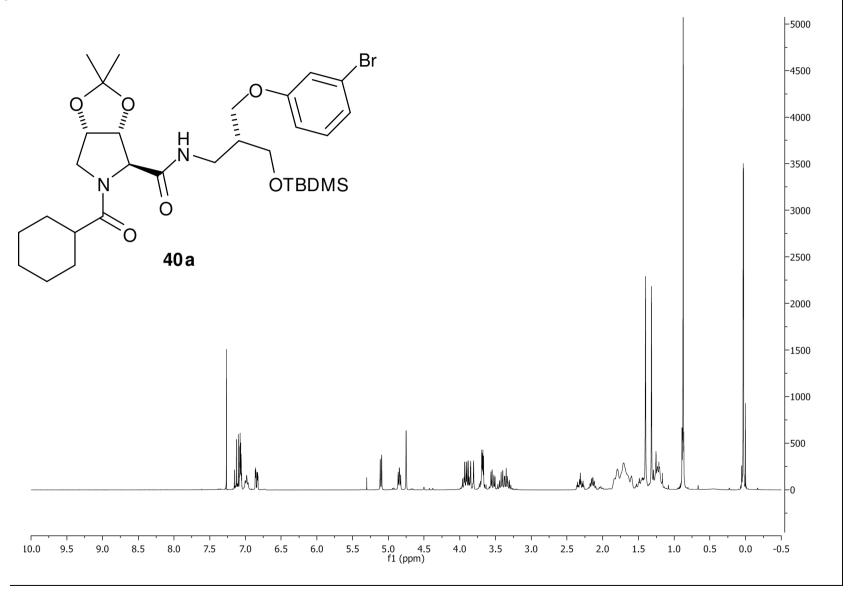




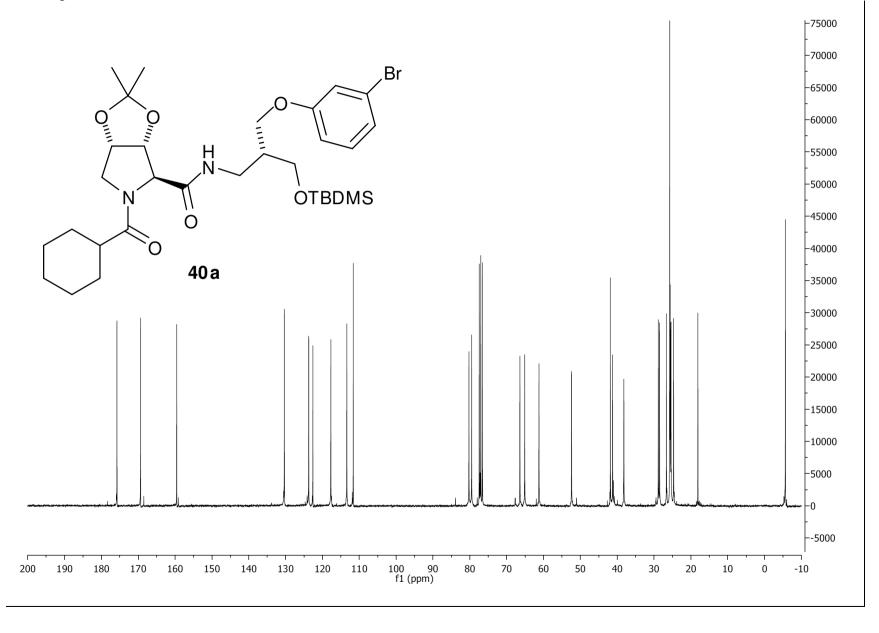




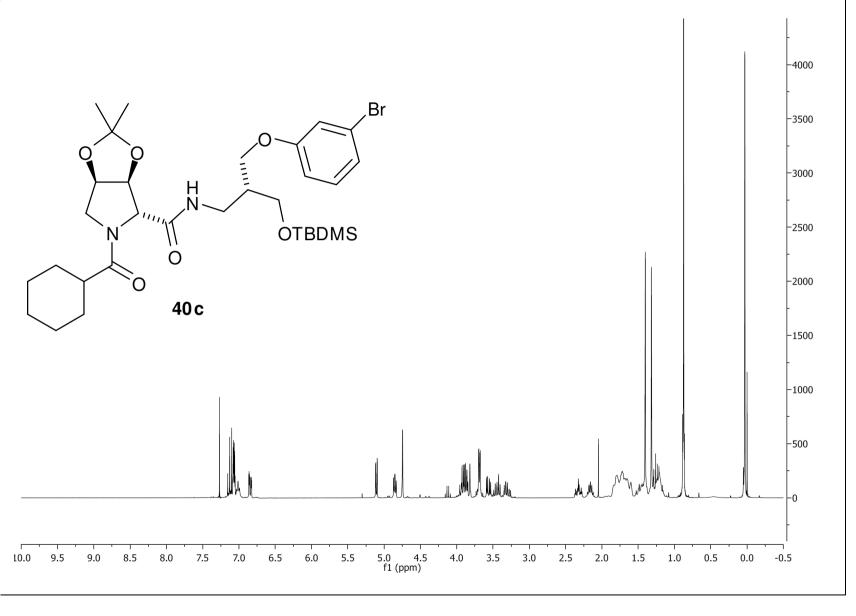
<sup>1</sup>H NMR of compound 40a



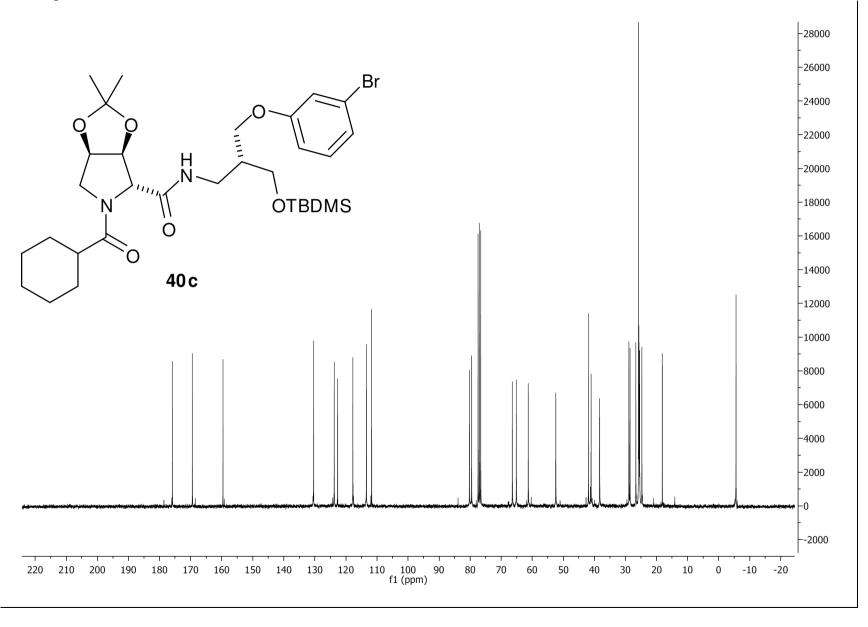
<sup>13</sup>C NMR of compound **40a** 

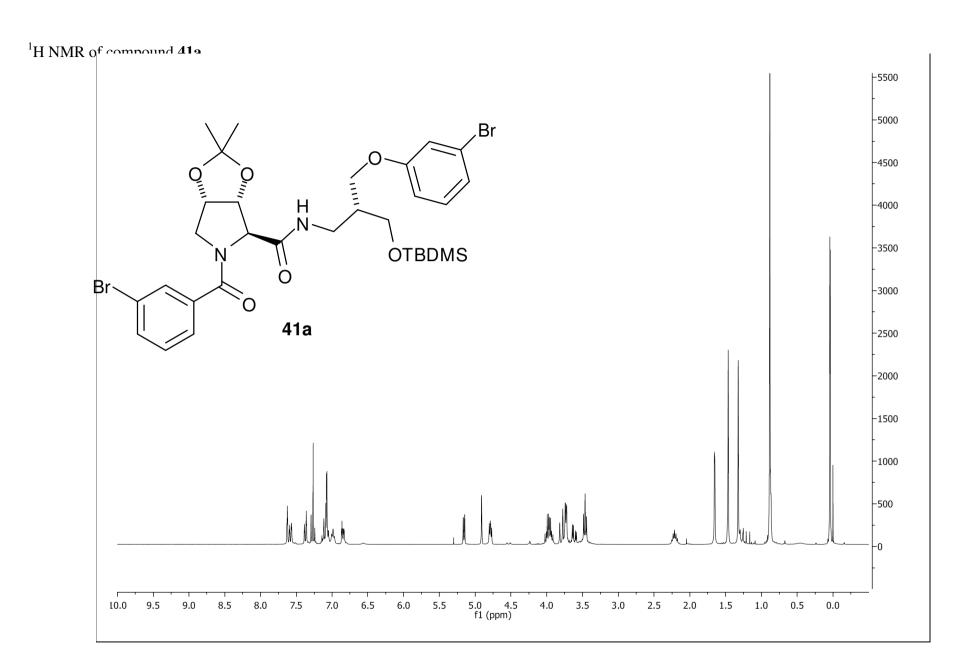




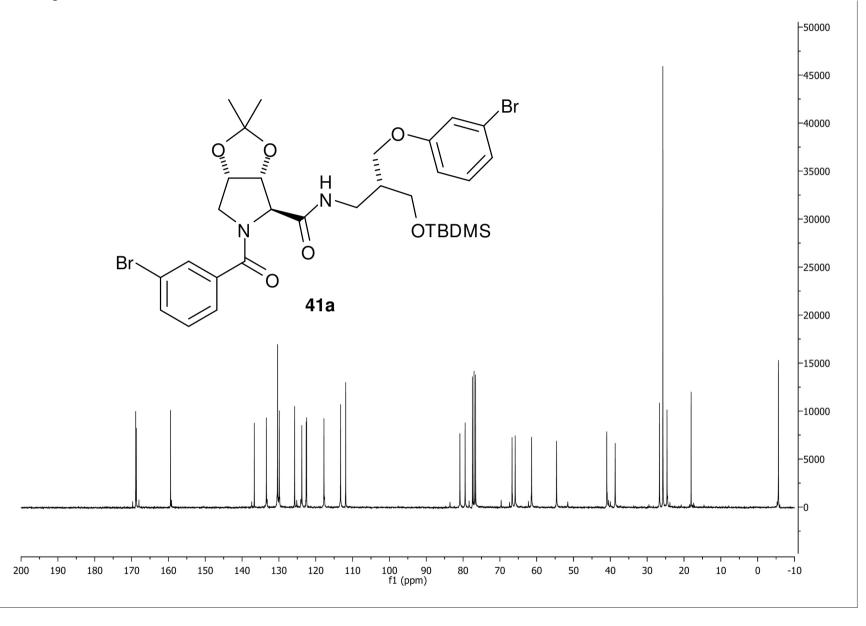


<sup>13</sup>C NMR of compound **40c** 

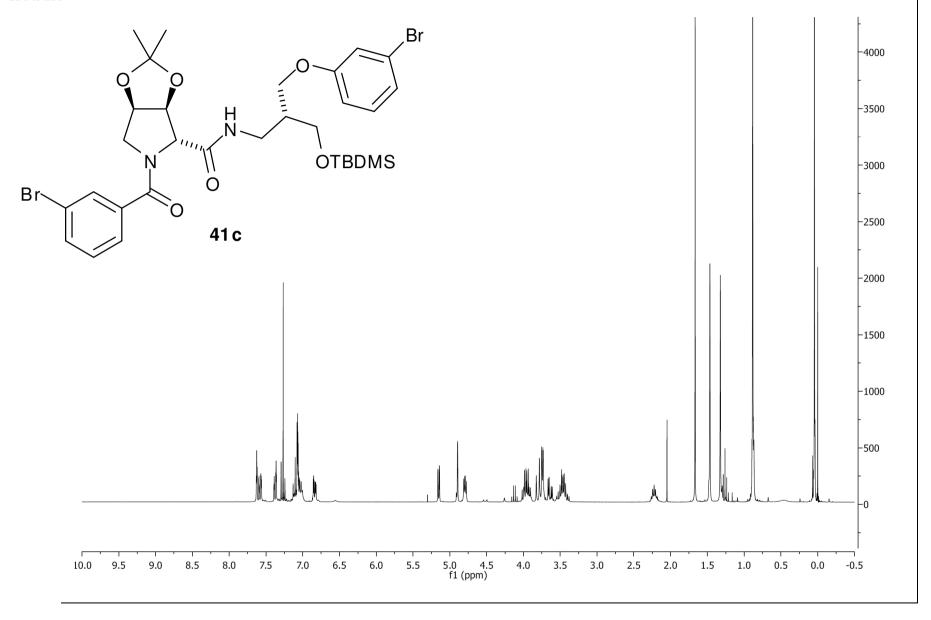




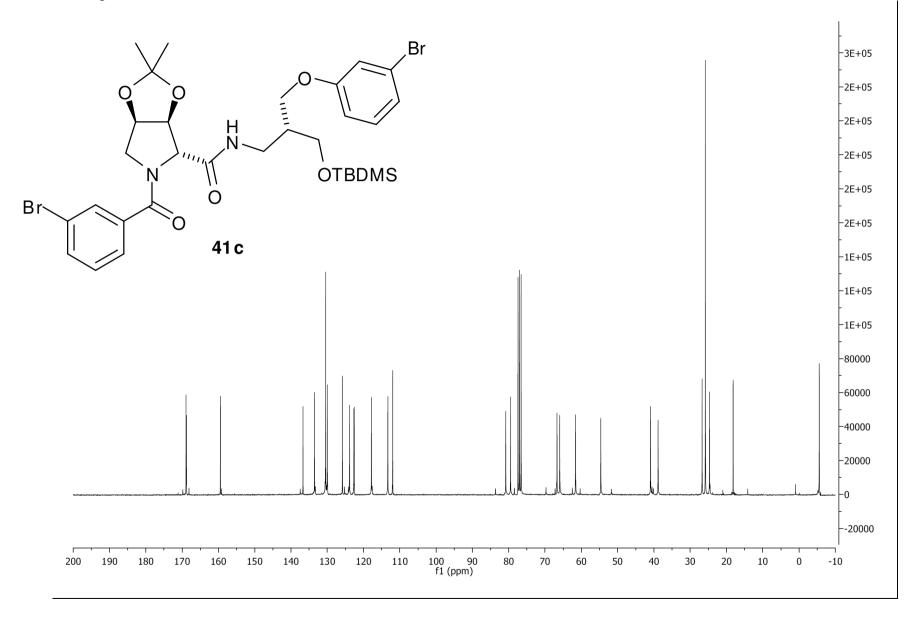
<sup>13</sup>C NMR of compound **41a** 



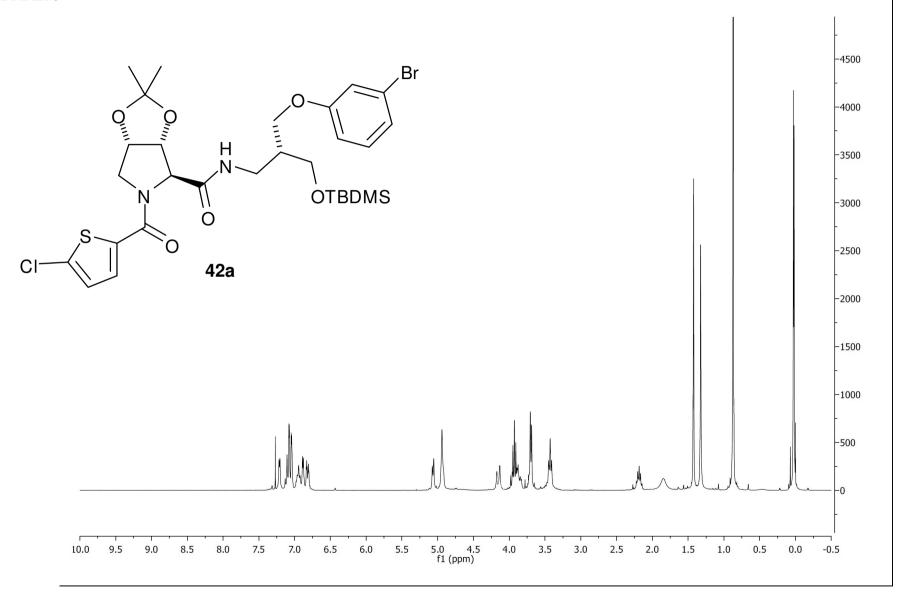




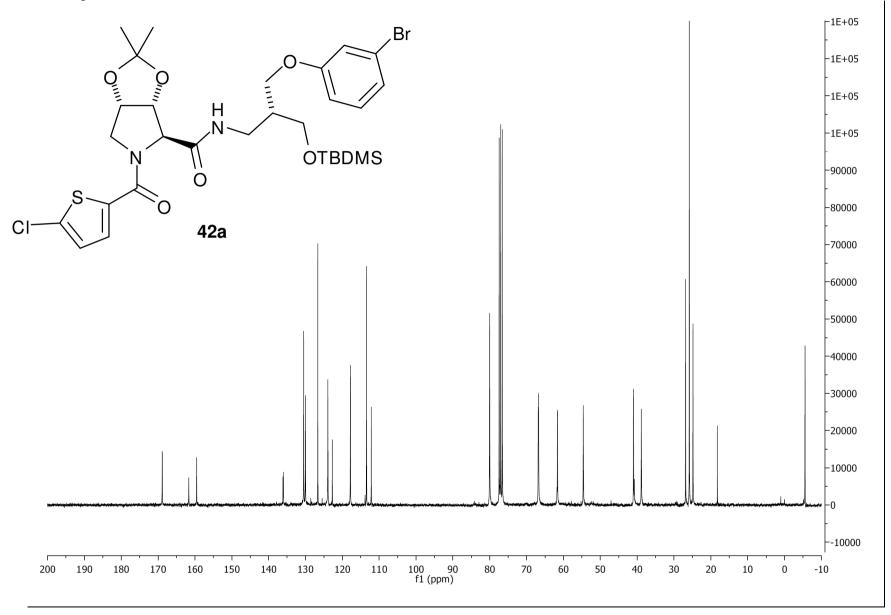
<sup>13</sup>C NMR of compound **41c** 

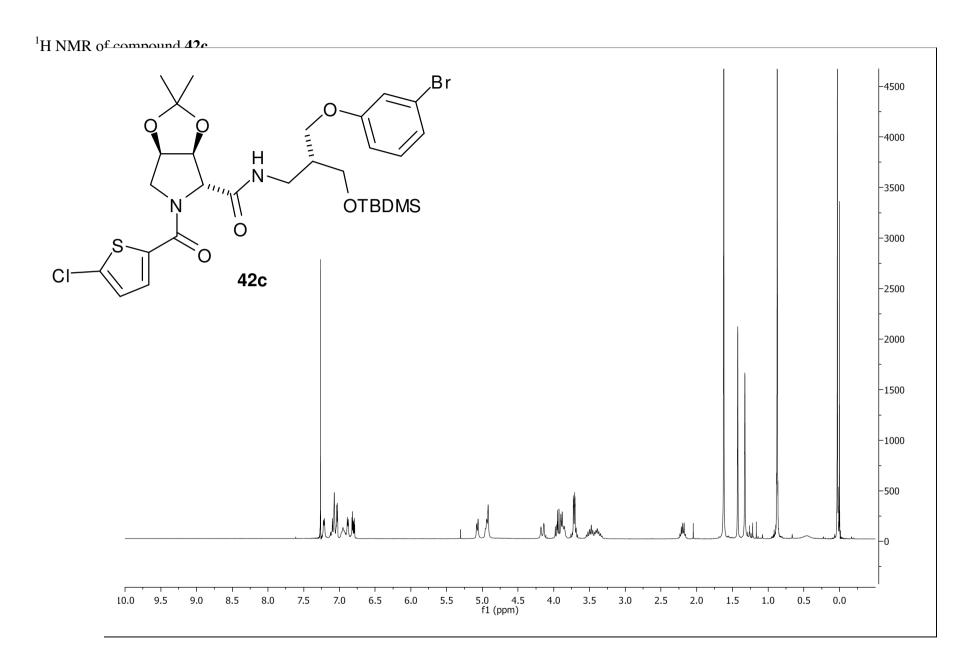


<sup>1</sup>H NMR of compound 42a

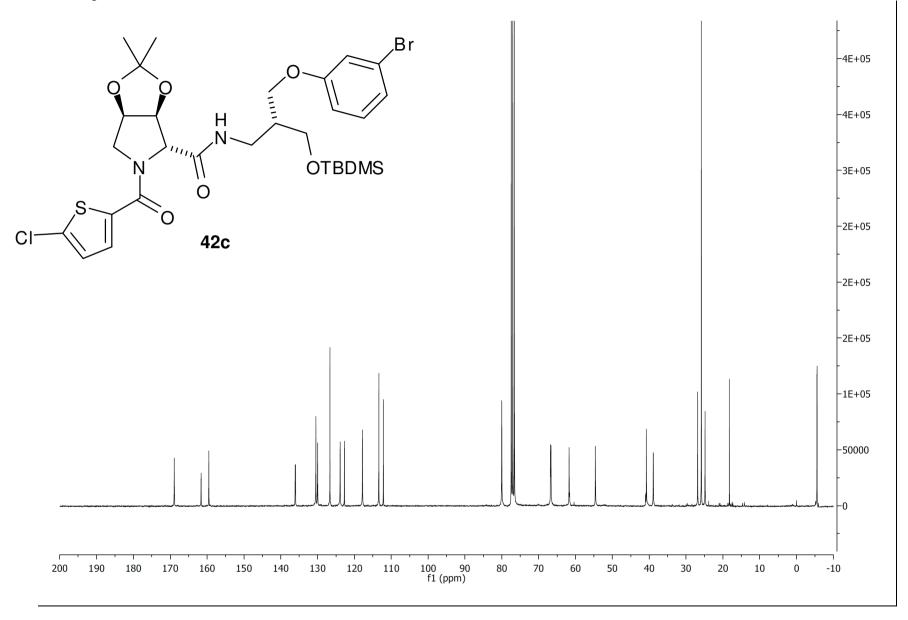


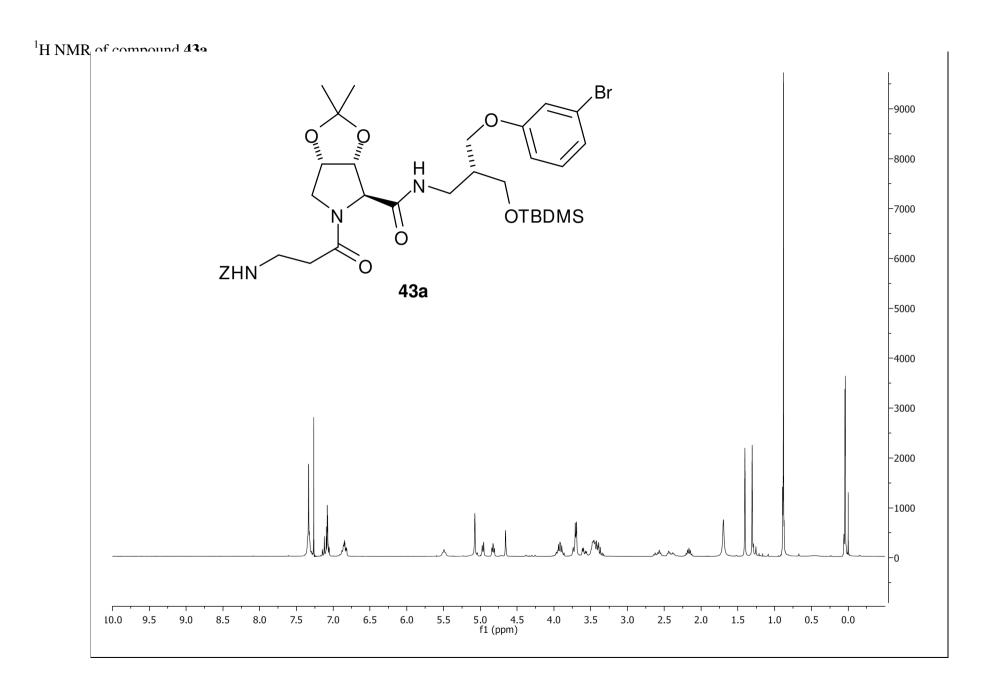
<sup>13</sup>C NMR of compound **42a** 

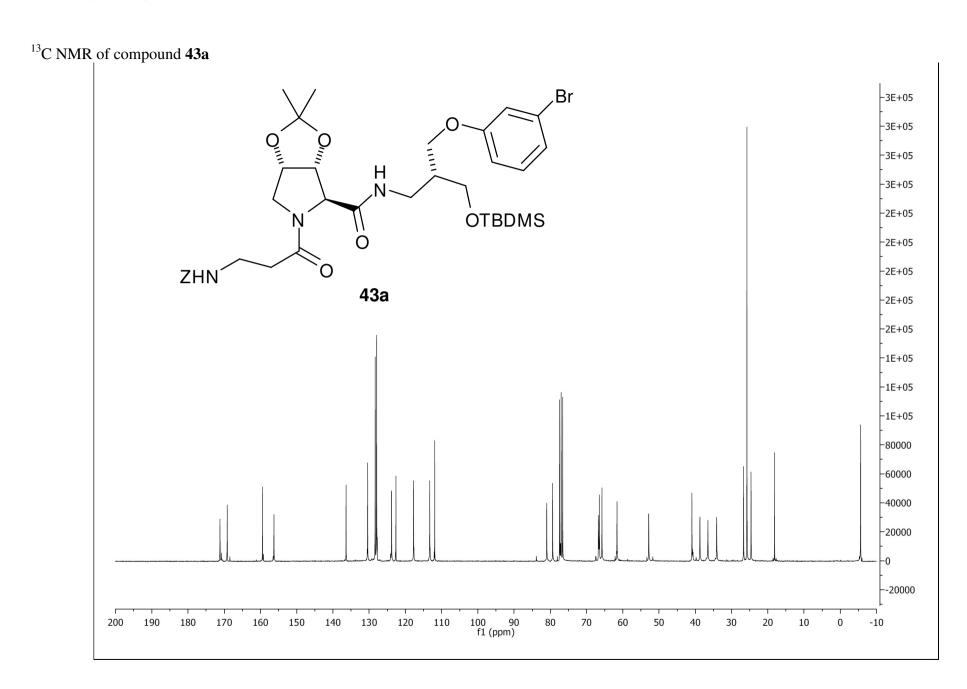


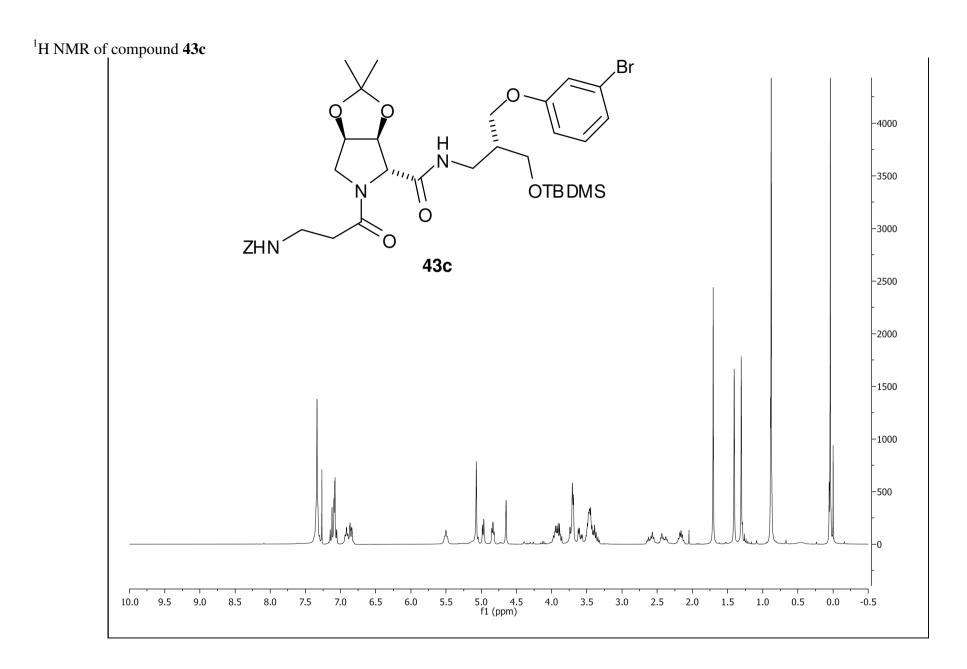


<sup>13</sup>C NMR of compound **42c** 

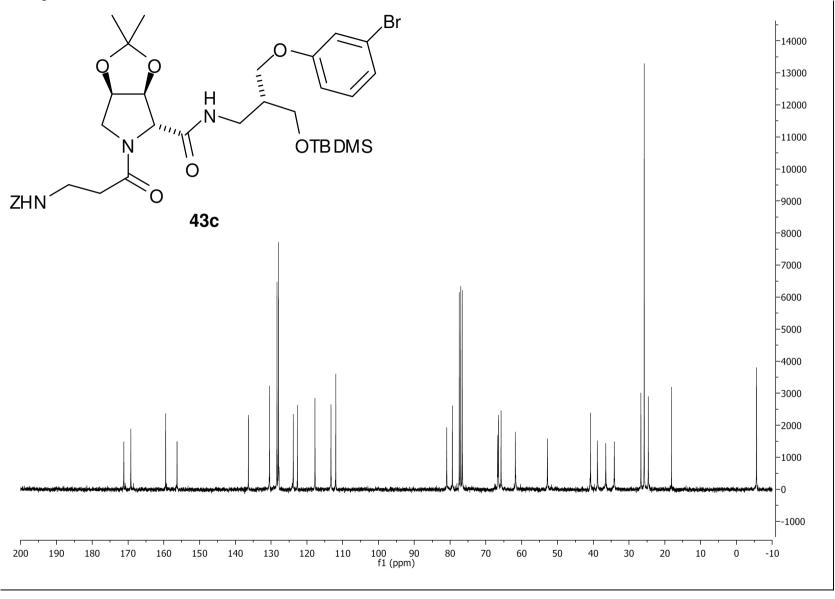




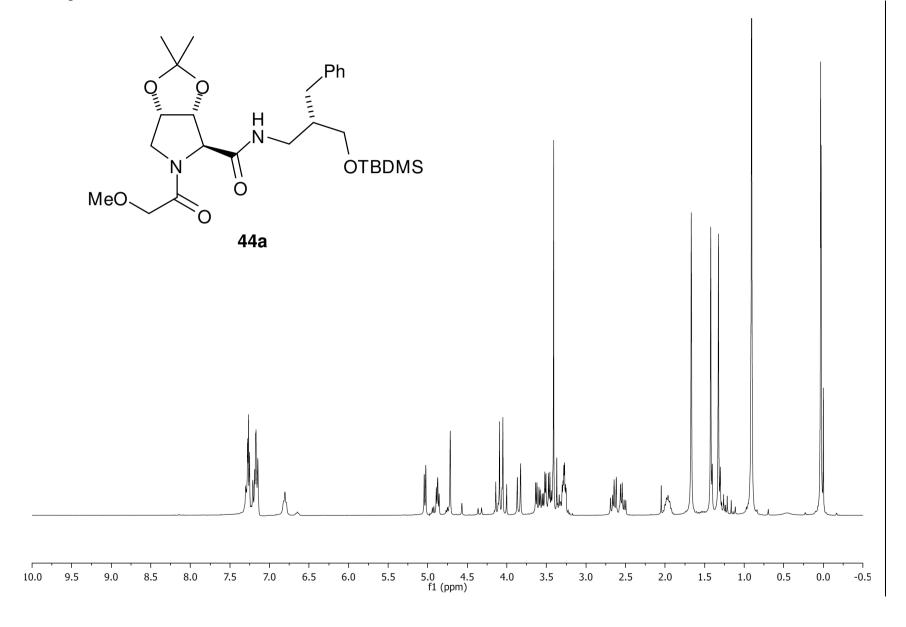




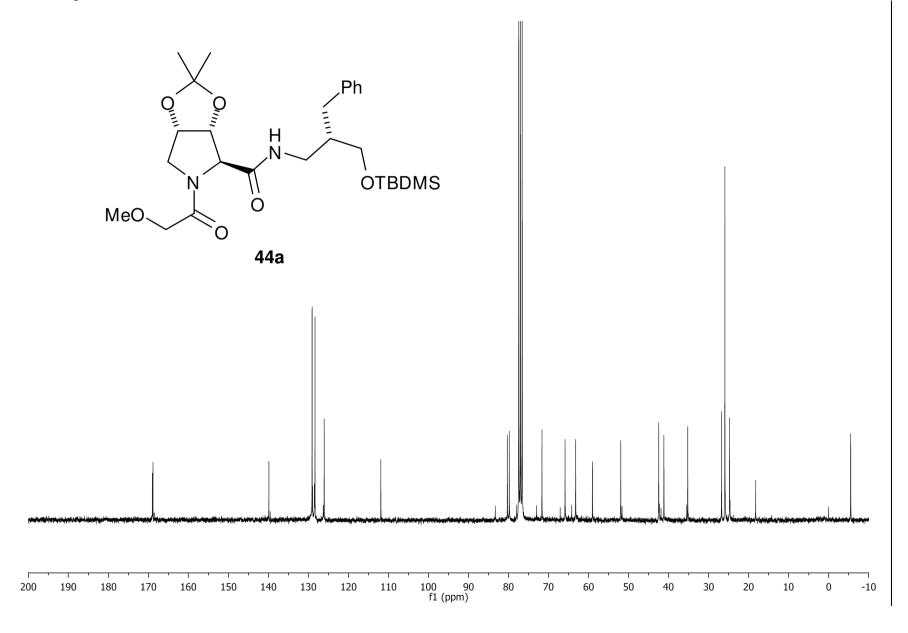
<sup>13</sup>C NMR of compound **43c** 



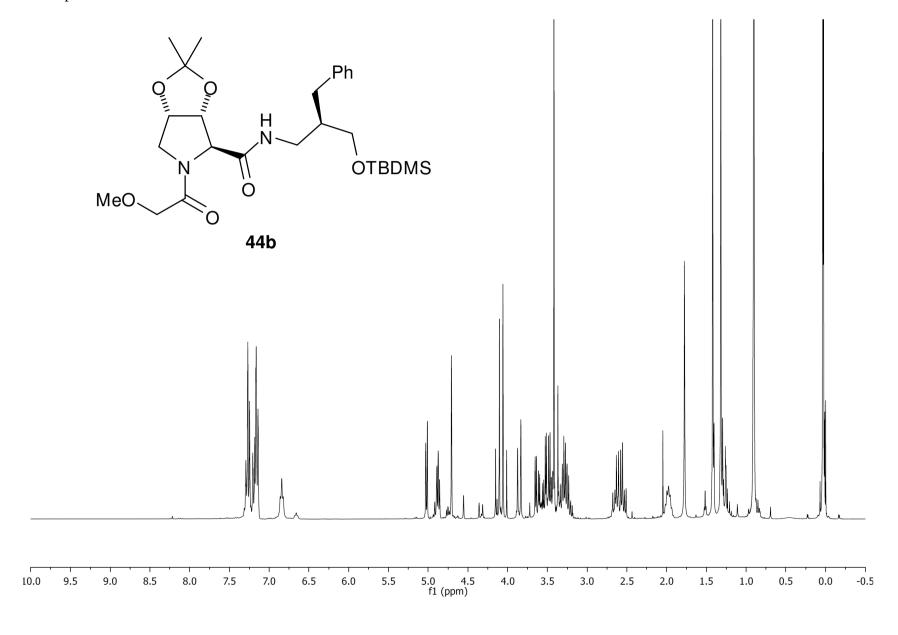
<sup>1</sup>H NMR of compound **44a** 

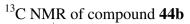


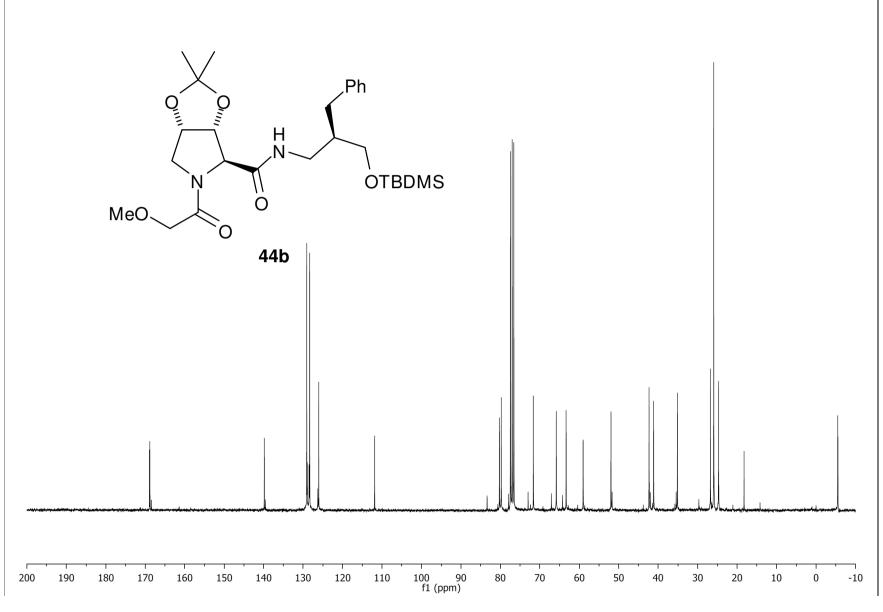
<sup>13</sup>C NMR of compound **44a** 

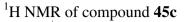


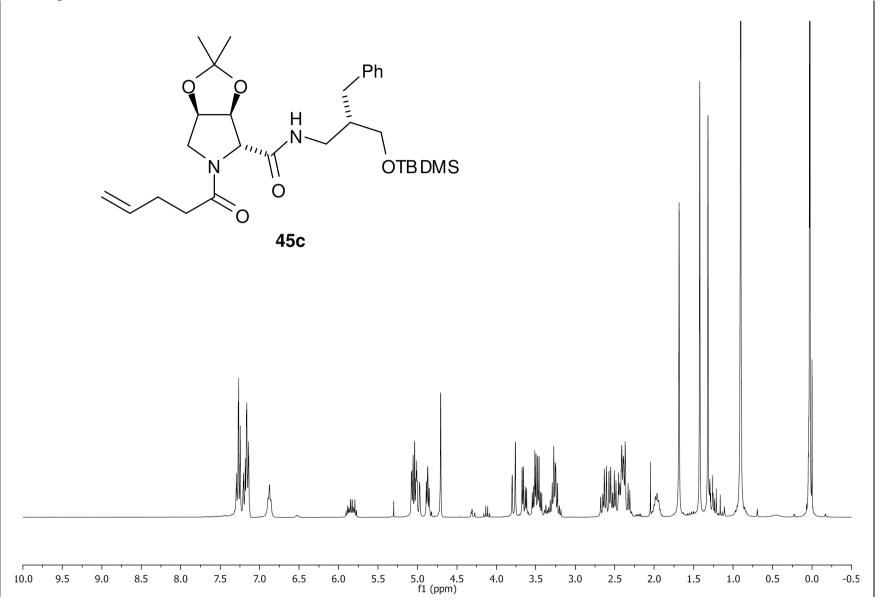
<sup>1</sup>H NMR of compound **44b** 



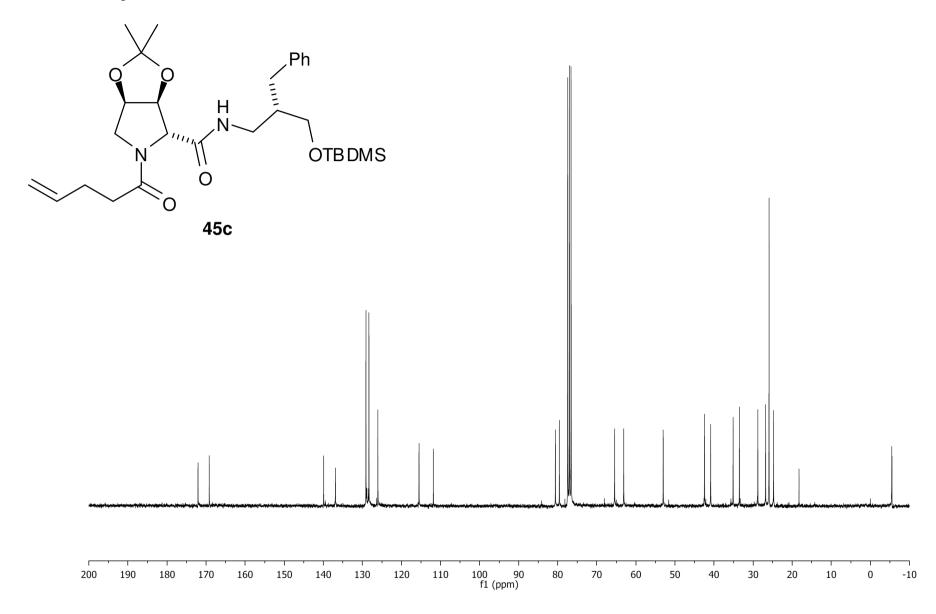




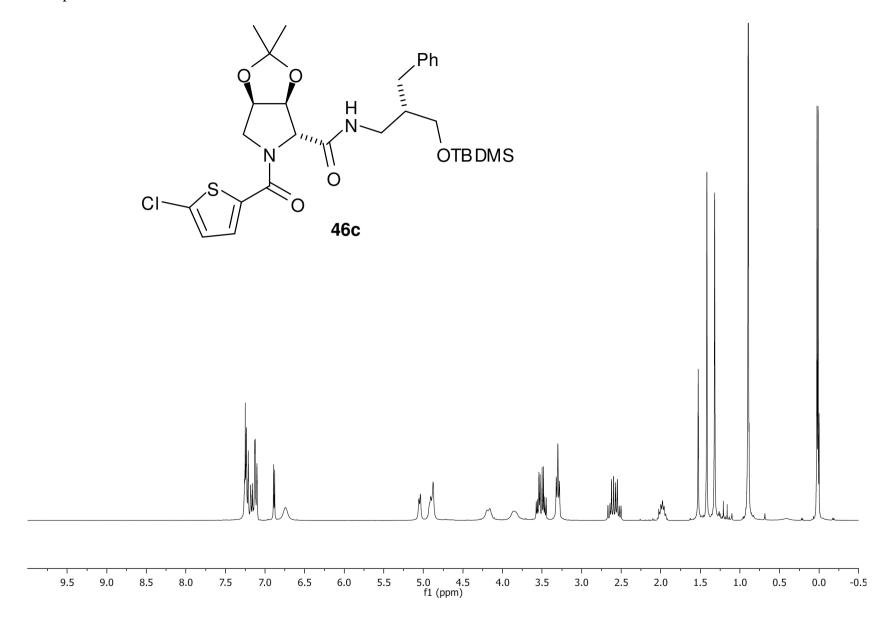




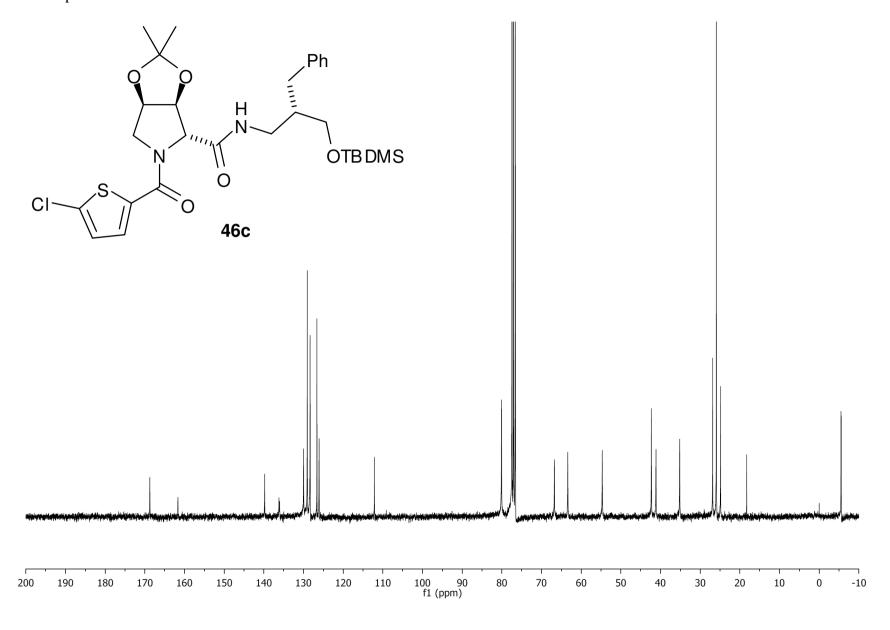
<sup>13</sup>C NMR of compound **45c** 

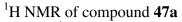


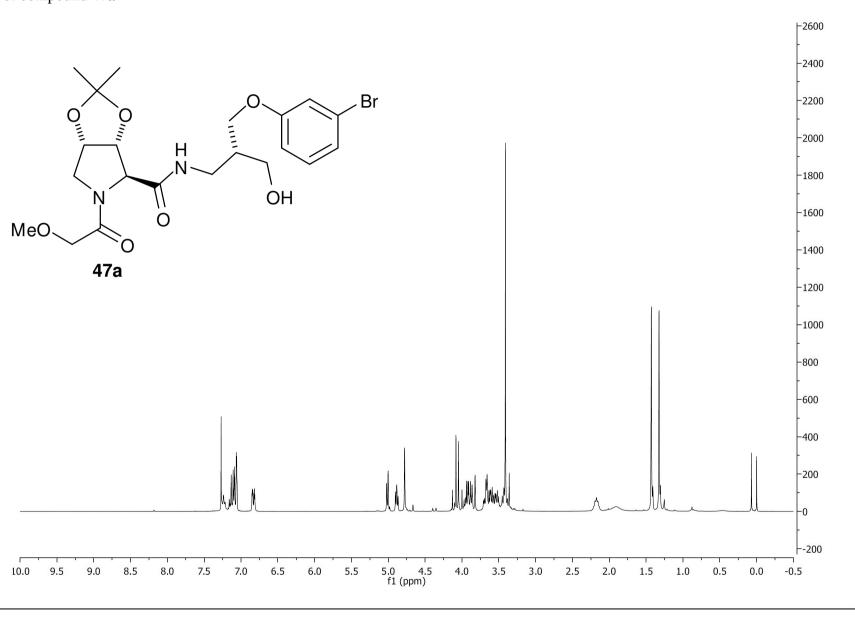
<sup>1</sup>H NMR of compound **46c** 



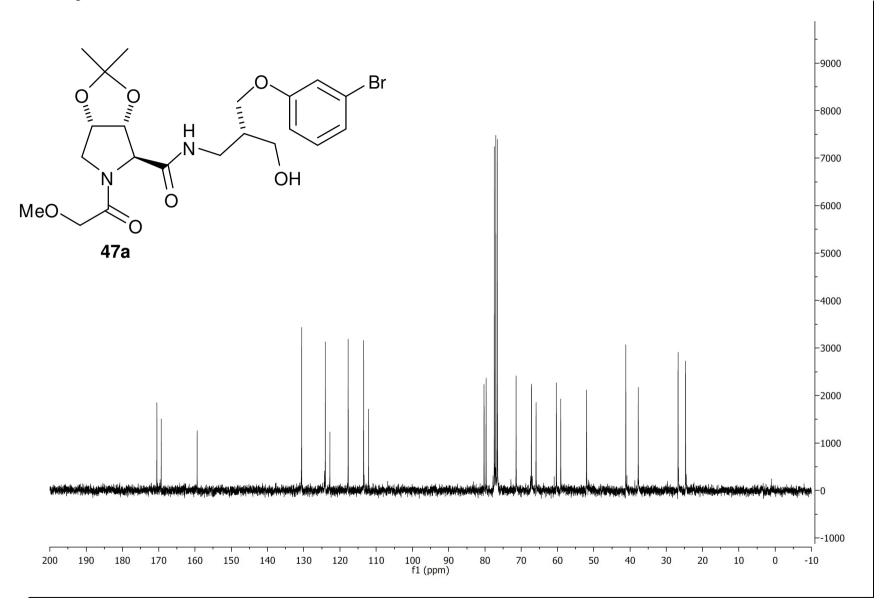
<sup>13</sup>C NMR of compound **46c** 



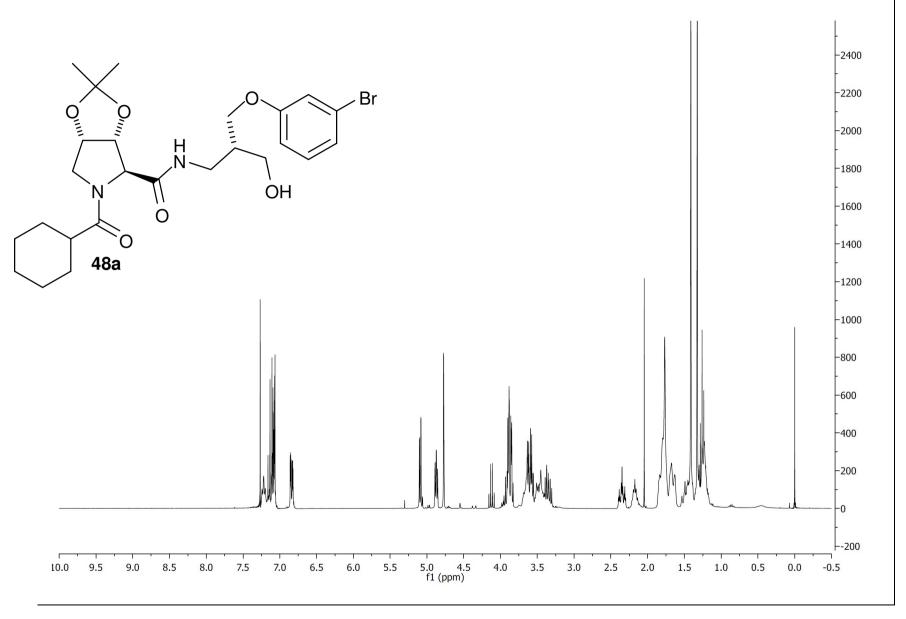




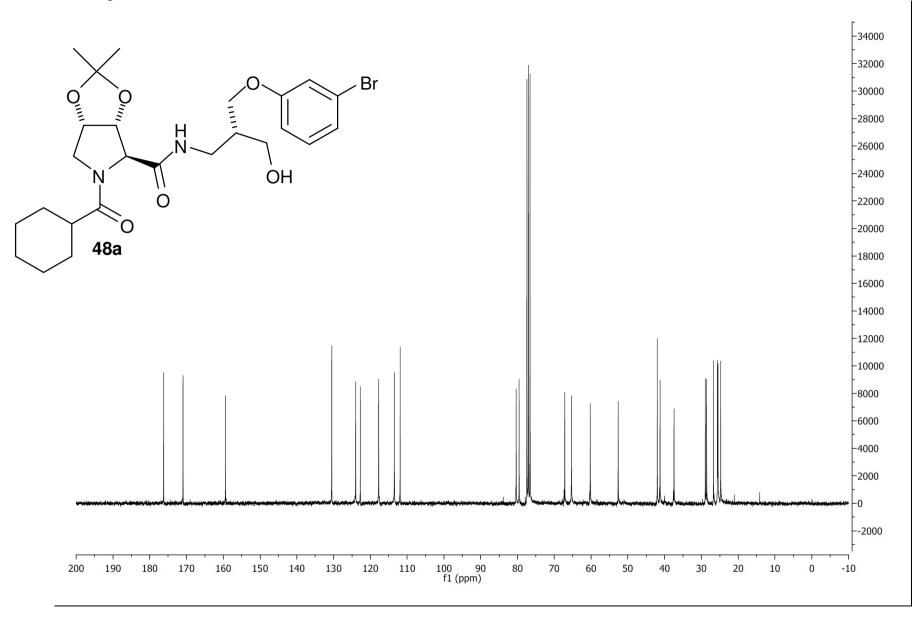
<sup>13</sup>C NMR of compound **47a** 



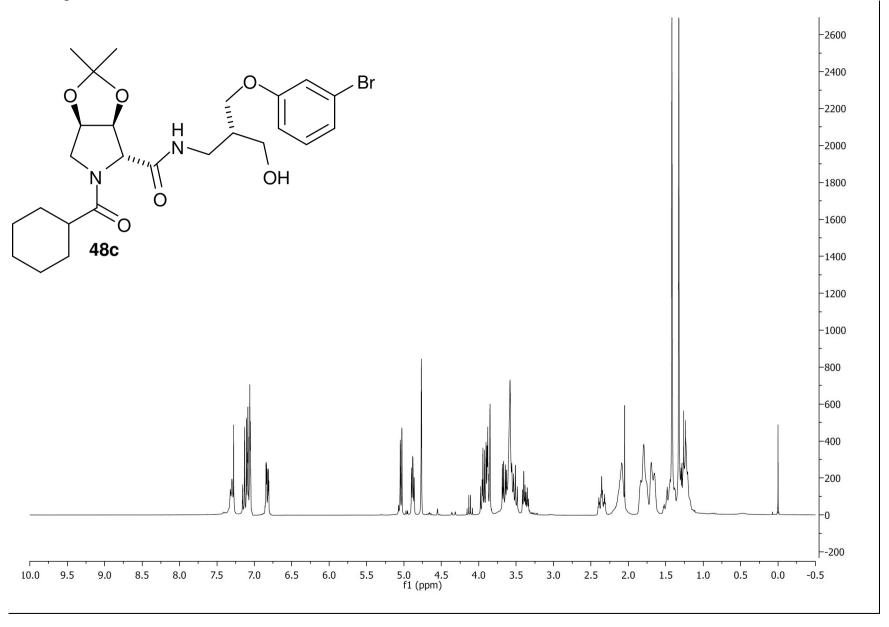
<sup>1</sup>H NMR of compound **48a** 



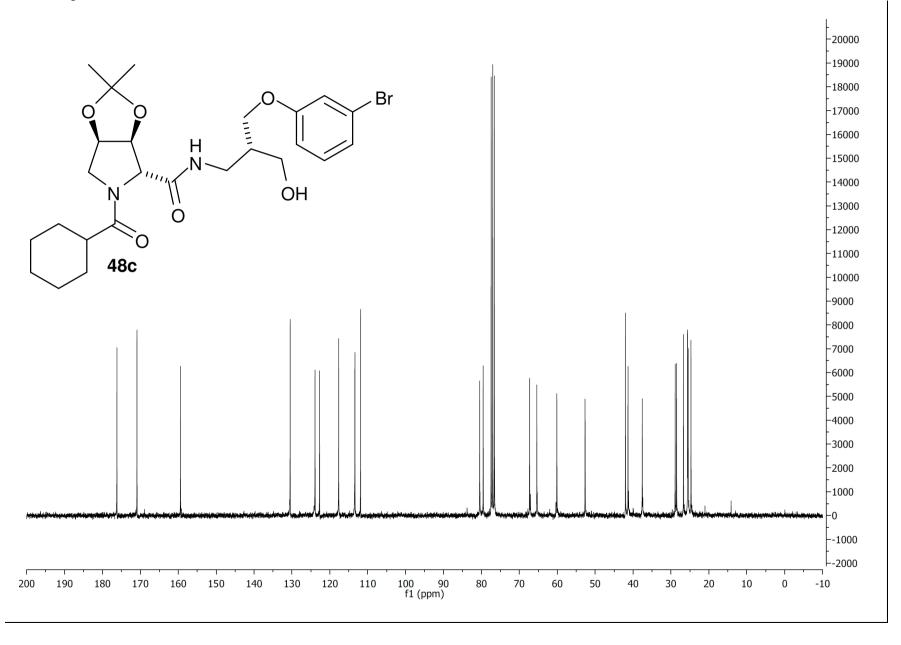
<sup>13</sup>C NMR of compound **48a** 



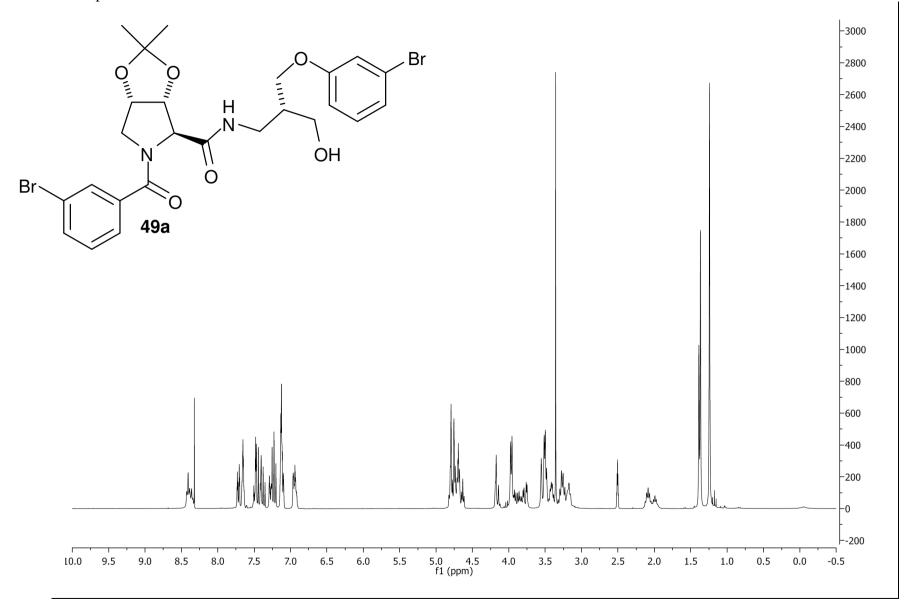
<sup>1</sup>H NMR of compound **48c** 



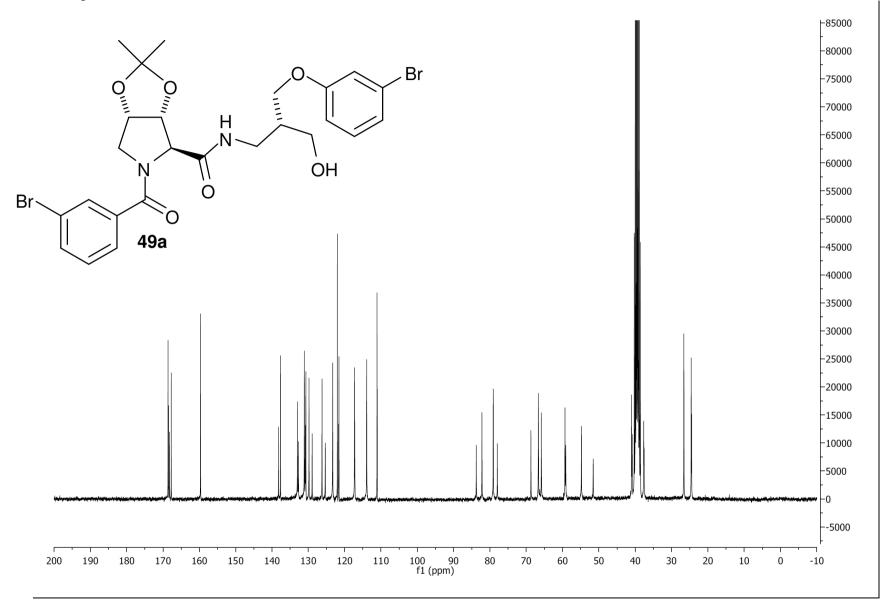
<sup>13</sup>C NMR of compound **48c** 



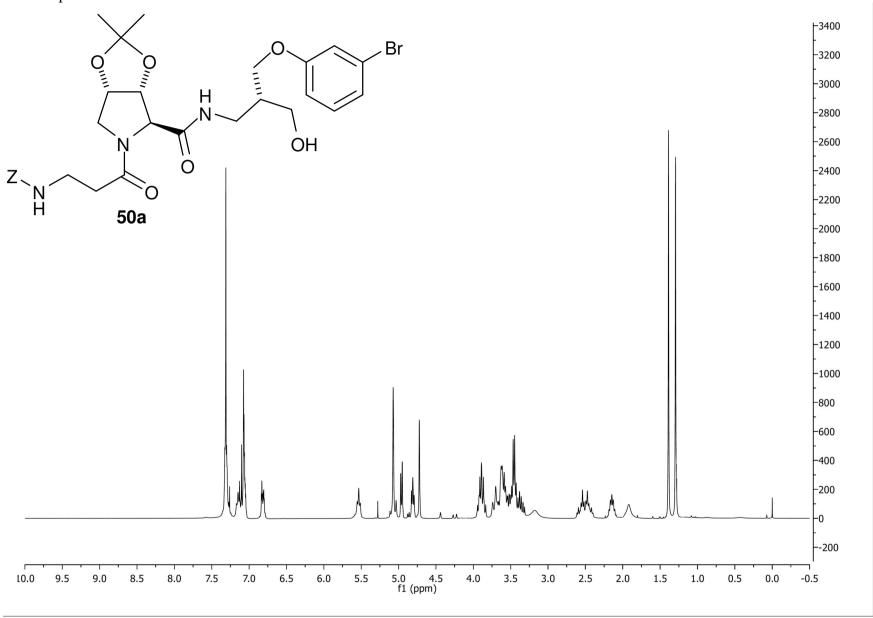
## <sup>1</sup>H NMR of compound **49a**

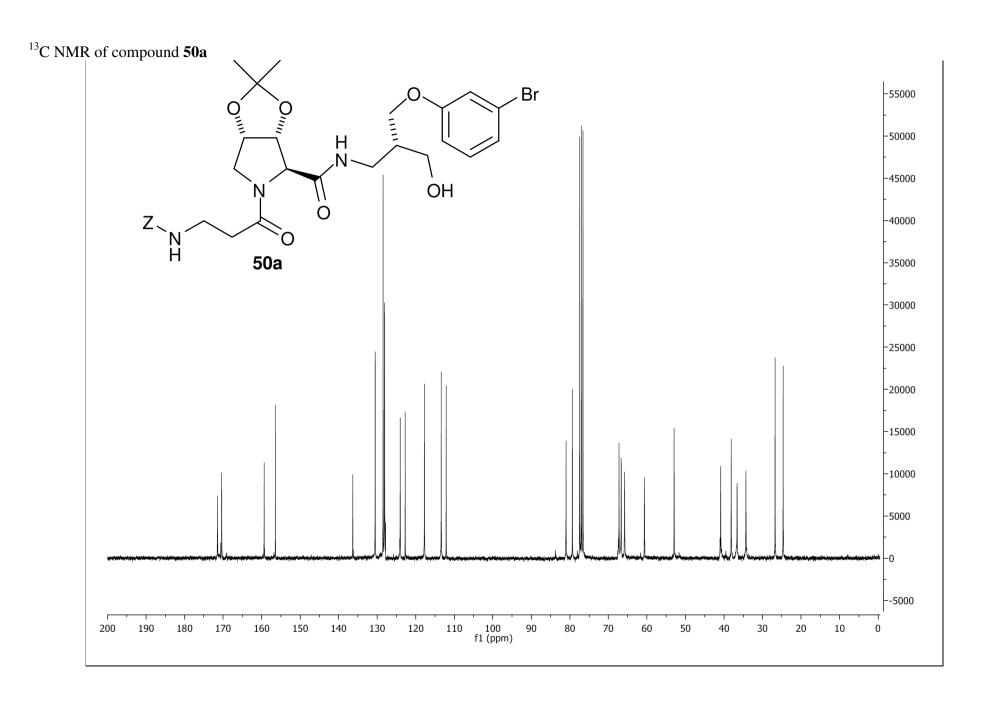


<sup>13</sup>C NMR of compound **49a** 

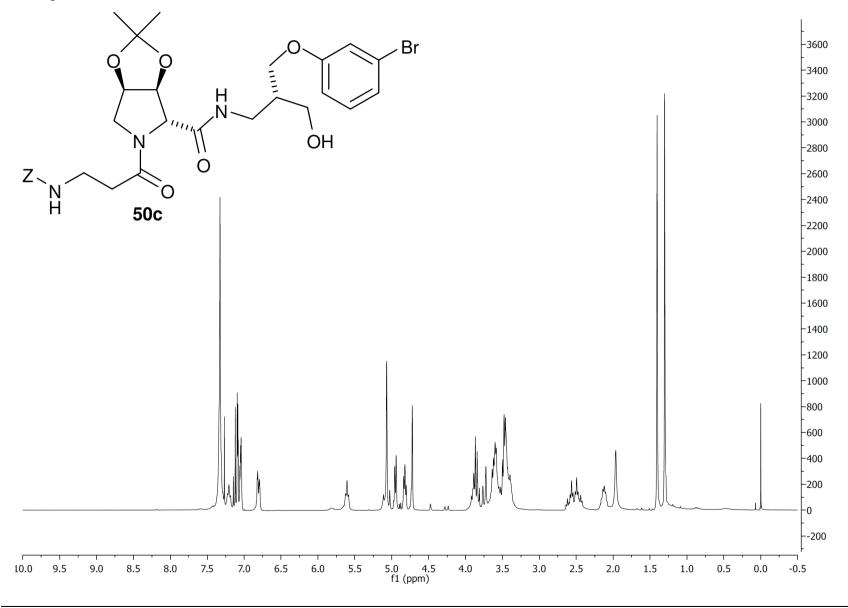


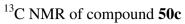
## <sup>1</sup>H NMR of compound **50a**

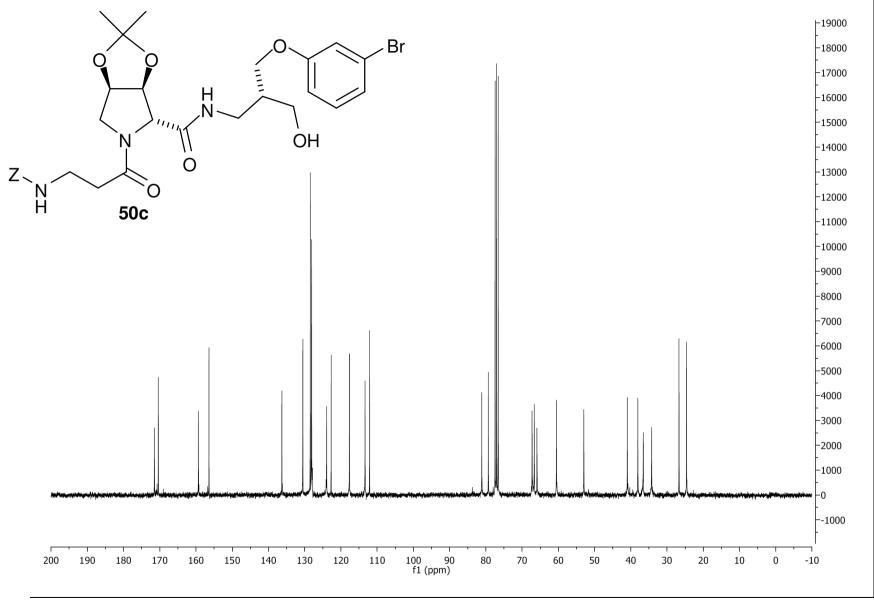




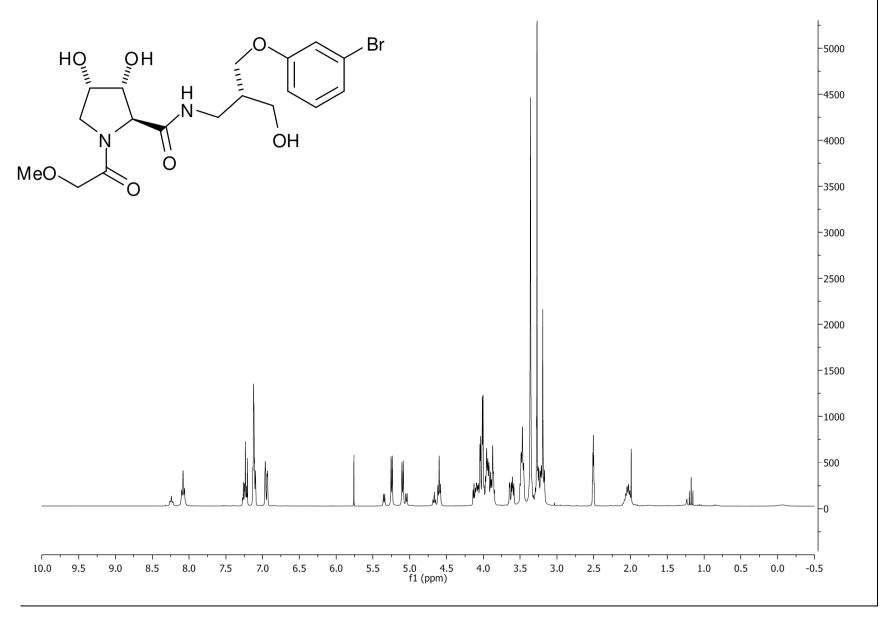
## <sup>1</sup>H NMR of compound **50c**



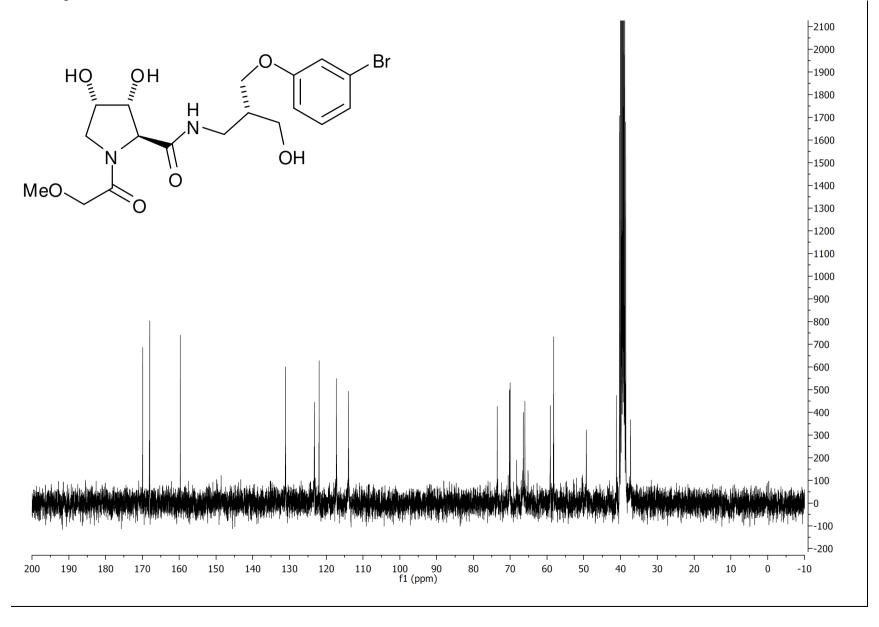


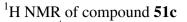


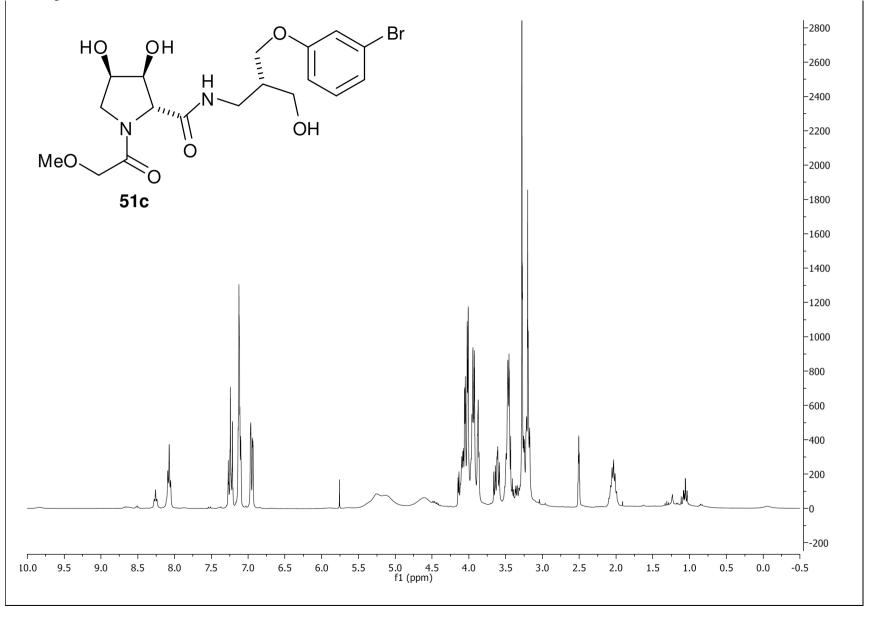
<sup>1</sup>H NMR of compound **51a** 



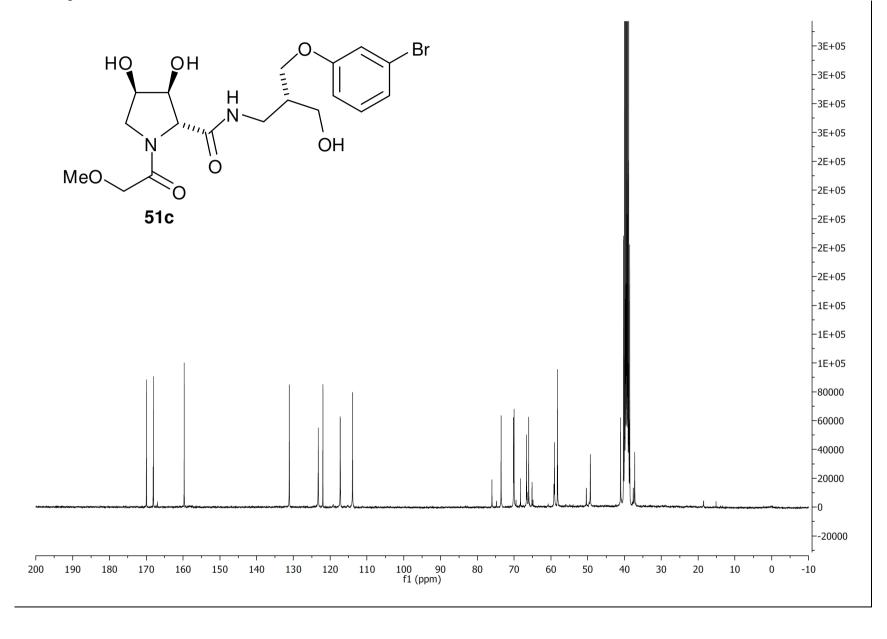
<sup>13</sup>C NMR of compound **51a** 

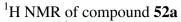


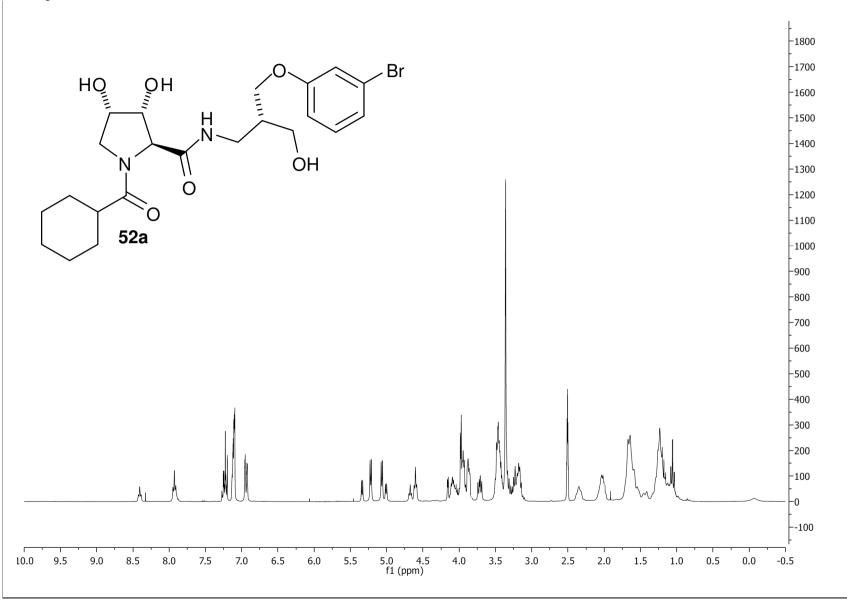




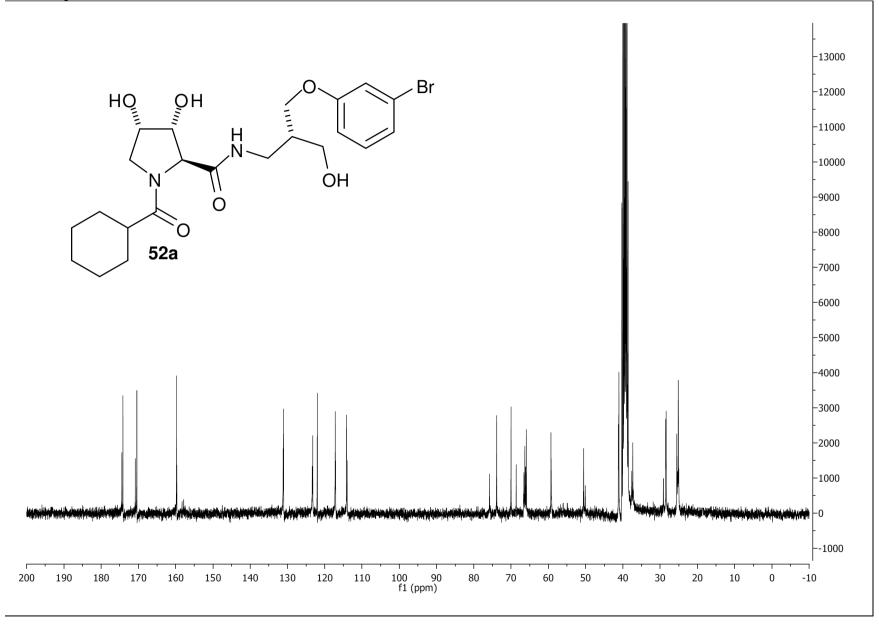
<sup>13</sup>C NMR of compound **51c** 



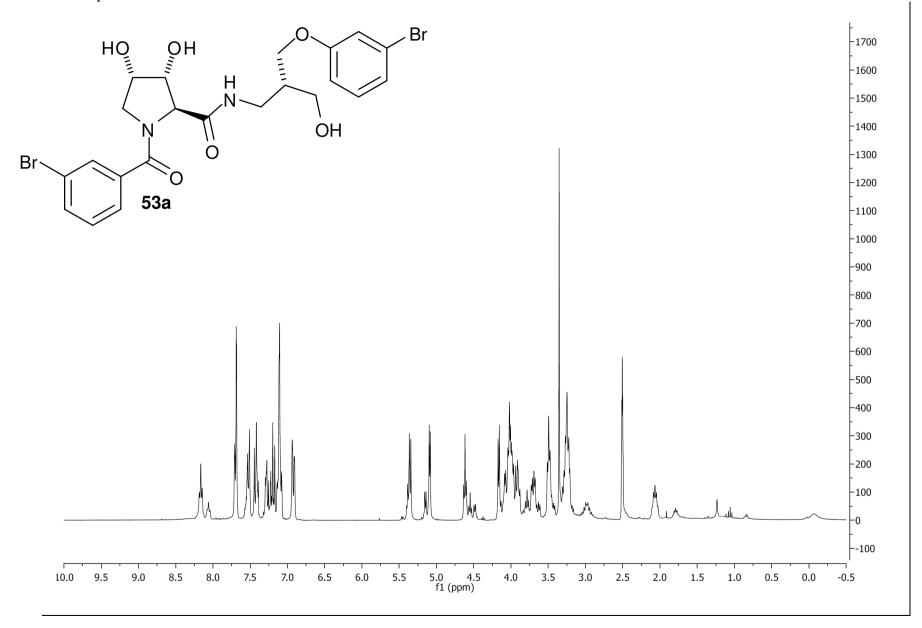




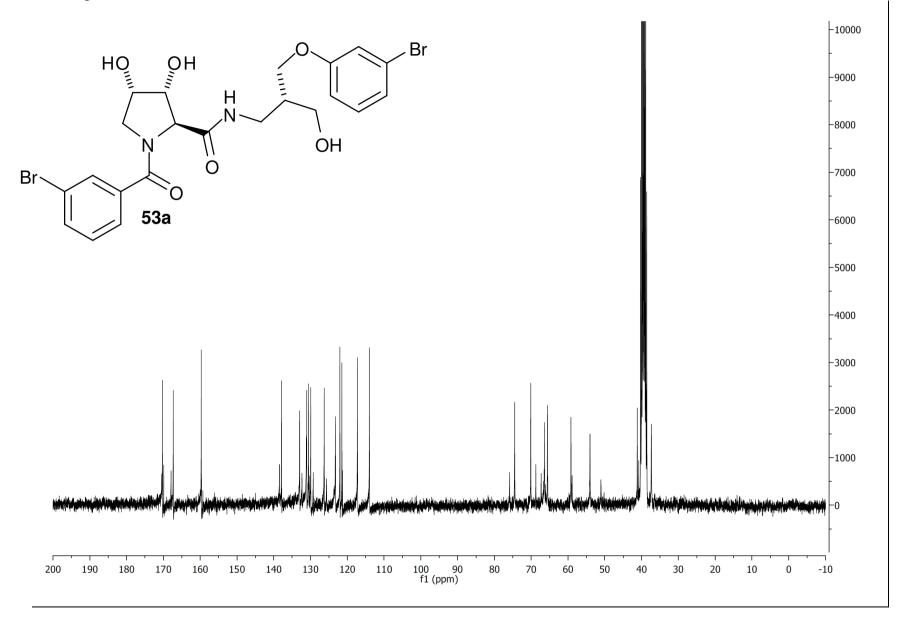
<sup>13</sup>C NMR of compound **52a** 



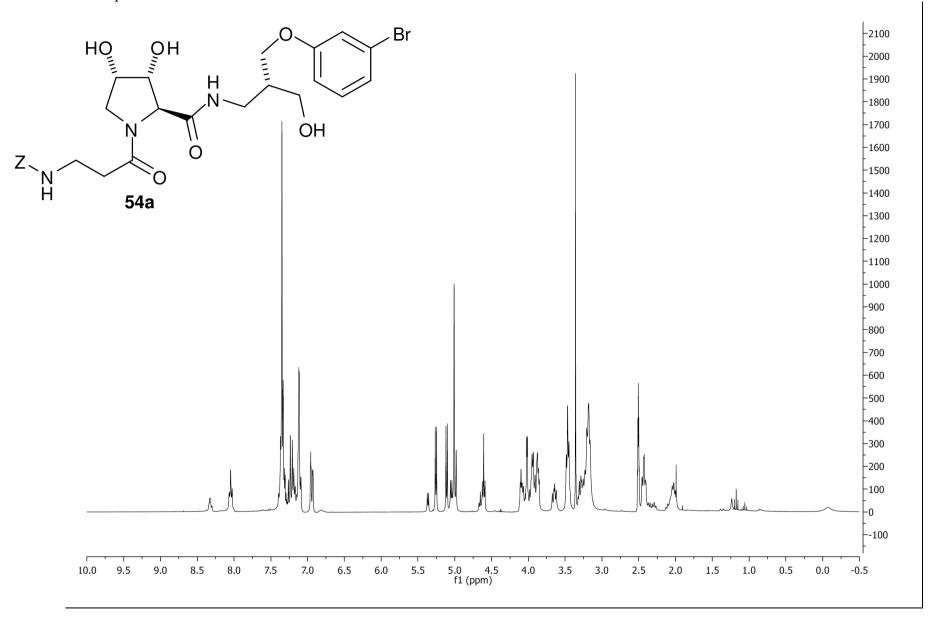
<sup>1</sup>H NMR of compound **53a** 



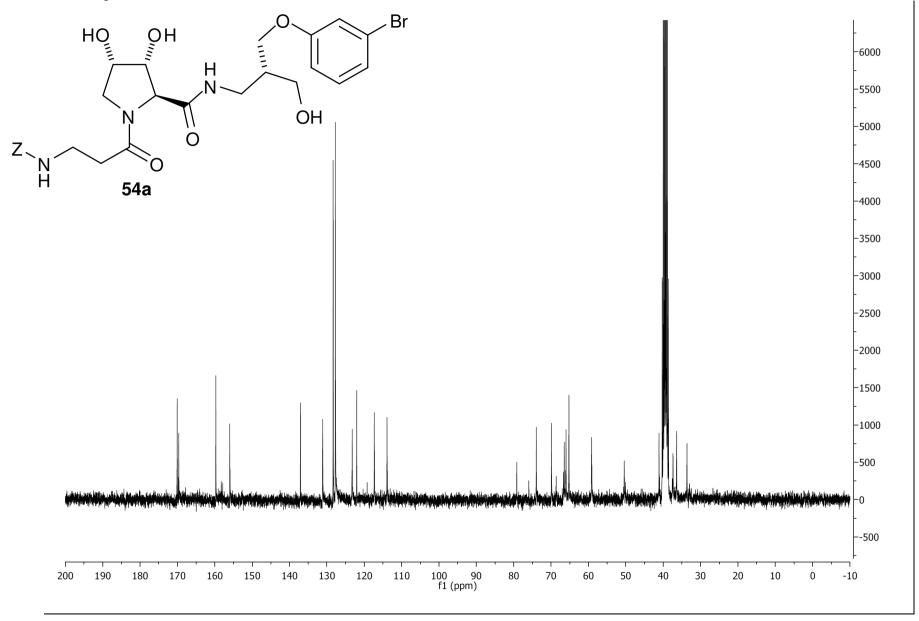
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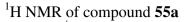


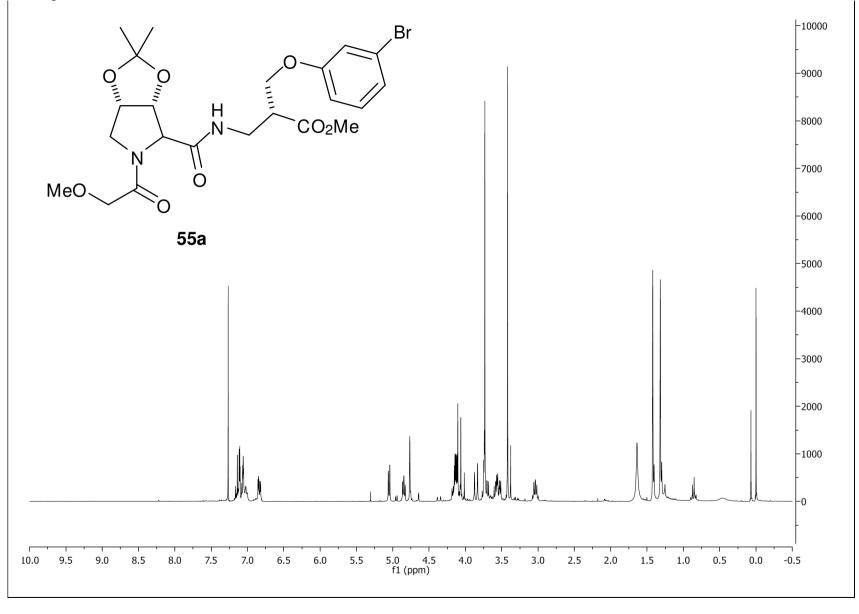
<sup>1</sup>H NMR of compound **54a** 



<sup>13</sup>C NMR of compound **54a** 







<sup>13</sup>C NMR of compound **55a** 

