

**Supporting Information File 4**  
for  
**Stereocontrolled synthesis of 5-azaspiro[2.3]hexane  
derivatives as conformationally “frozen” analogues  
of L-glutamic acid**

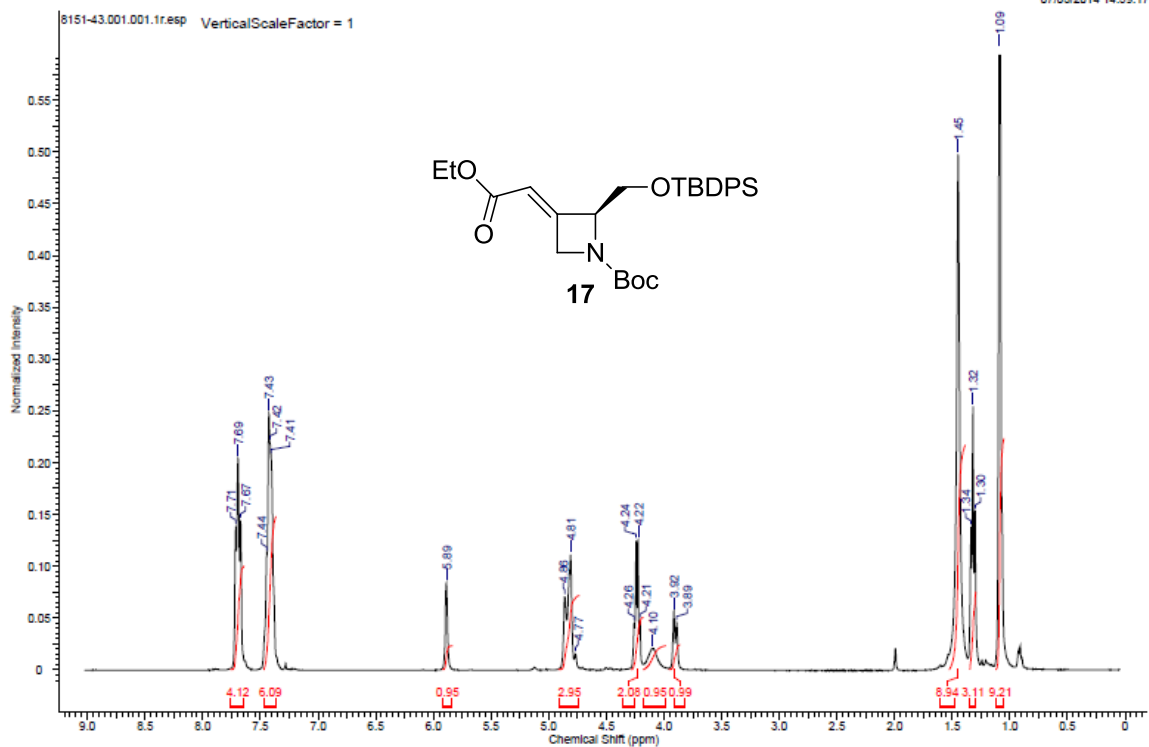
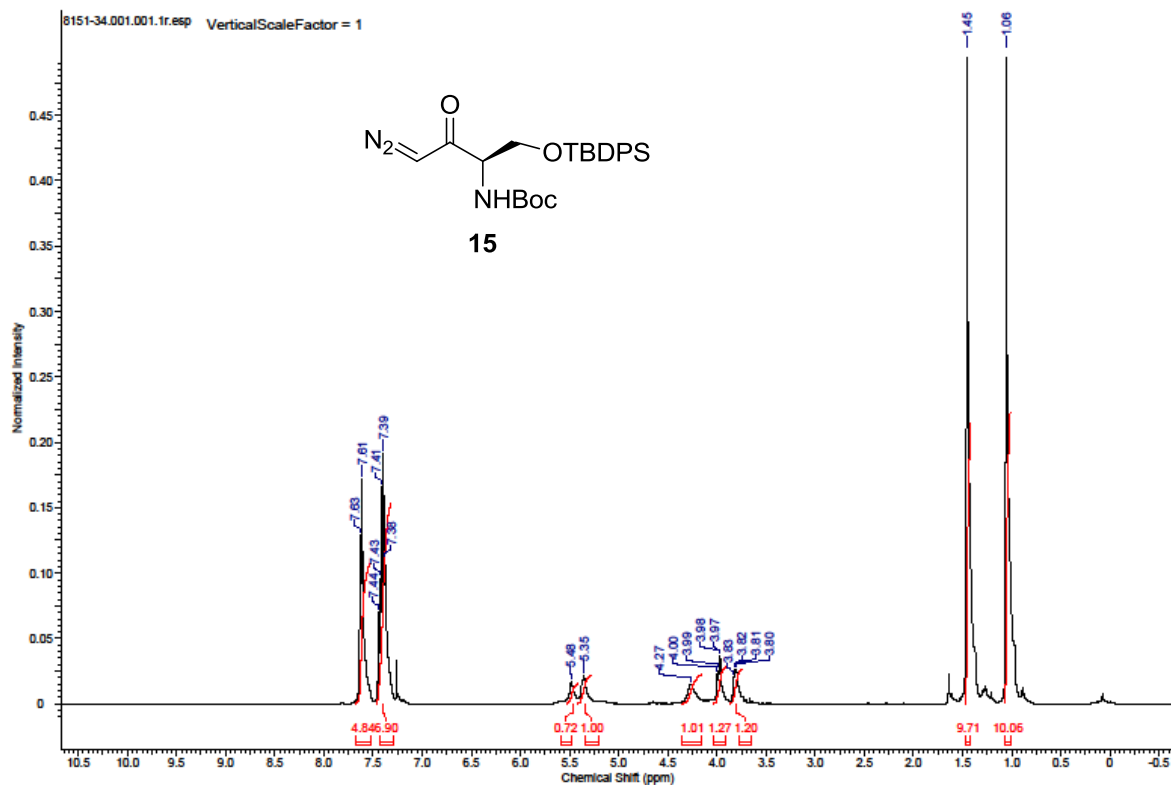
Beatrice Bechi<sup>1,2</sup>, David Amantini<sup>3,4</sup>, Cristina Tintori<sup>1</sup>, Maurizio Botta\*<sup>1</sup> and Romano di Fabio\*<sup>3,5</sup>

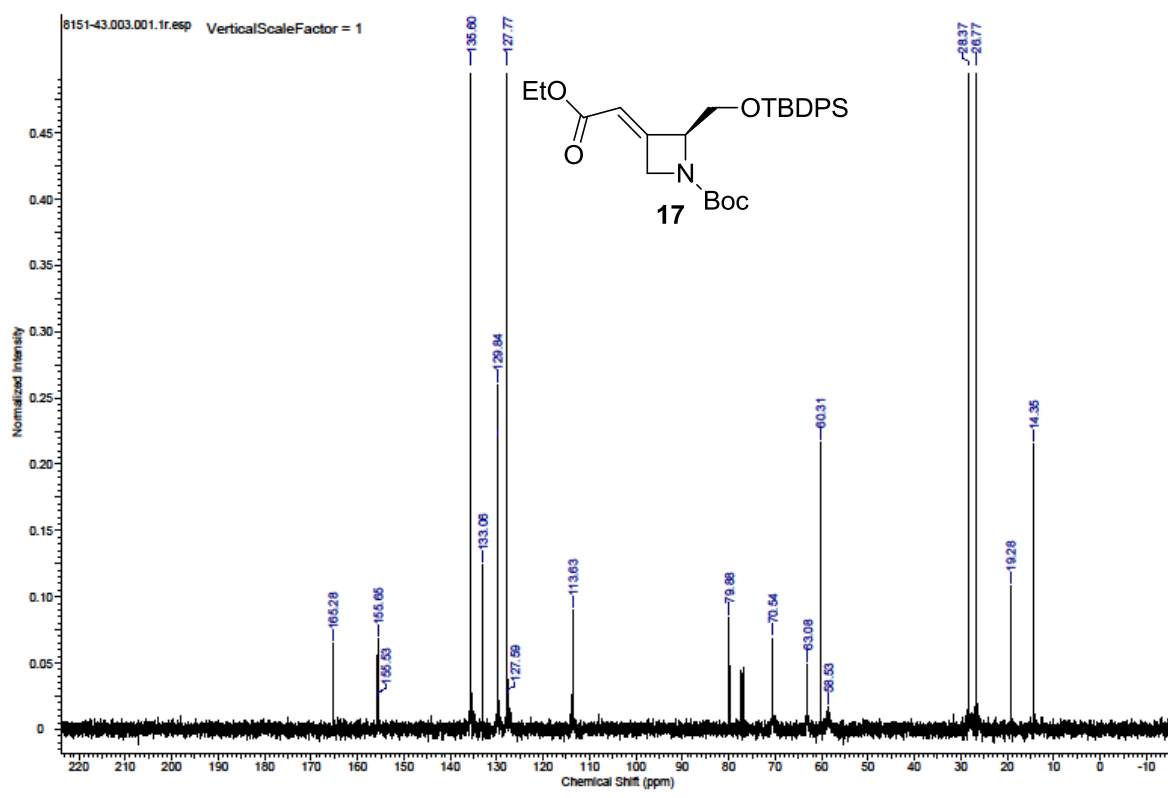
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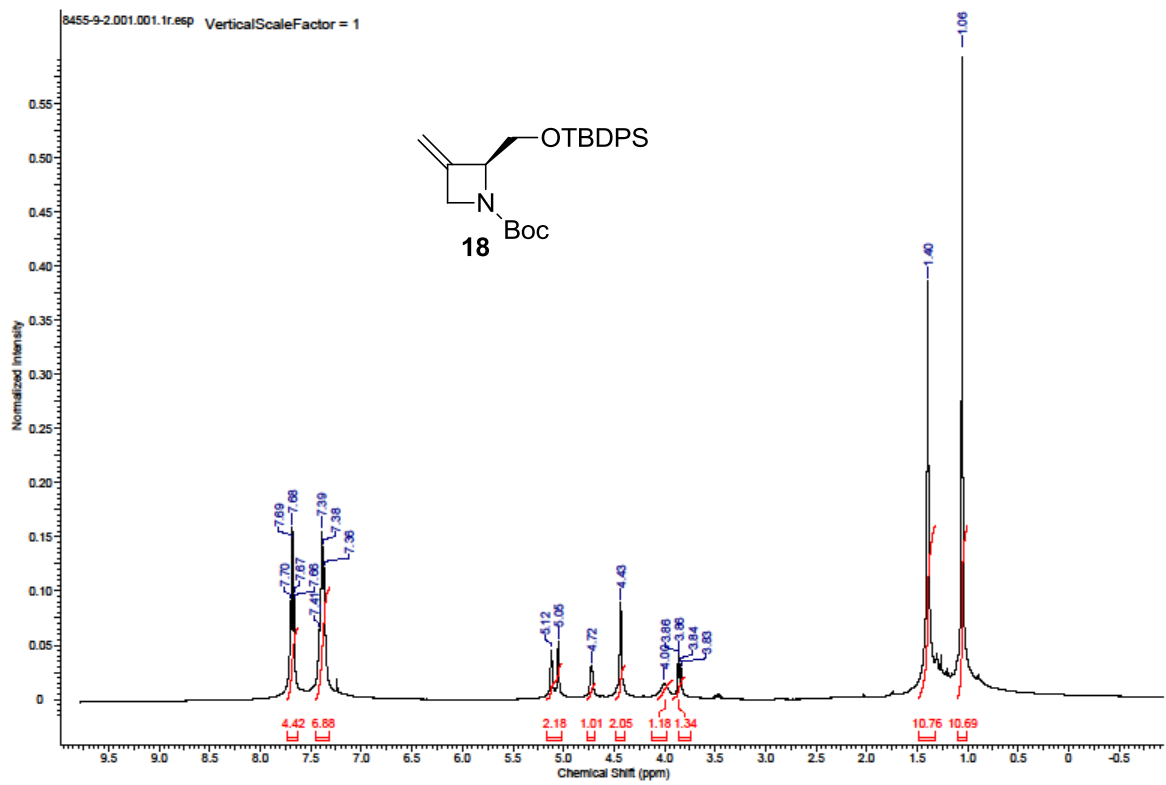
Email: Maurizio Botta - botta.maurizio@gmail.com, Romano di Fabio - romano.difabio@aptuit.com

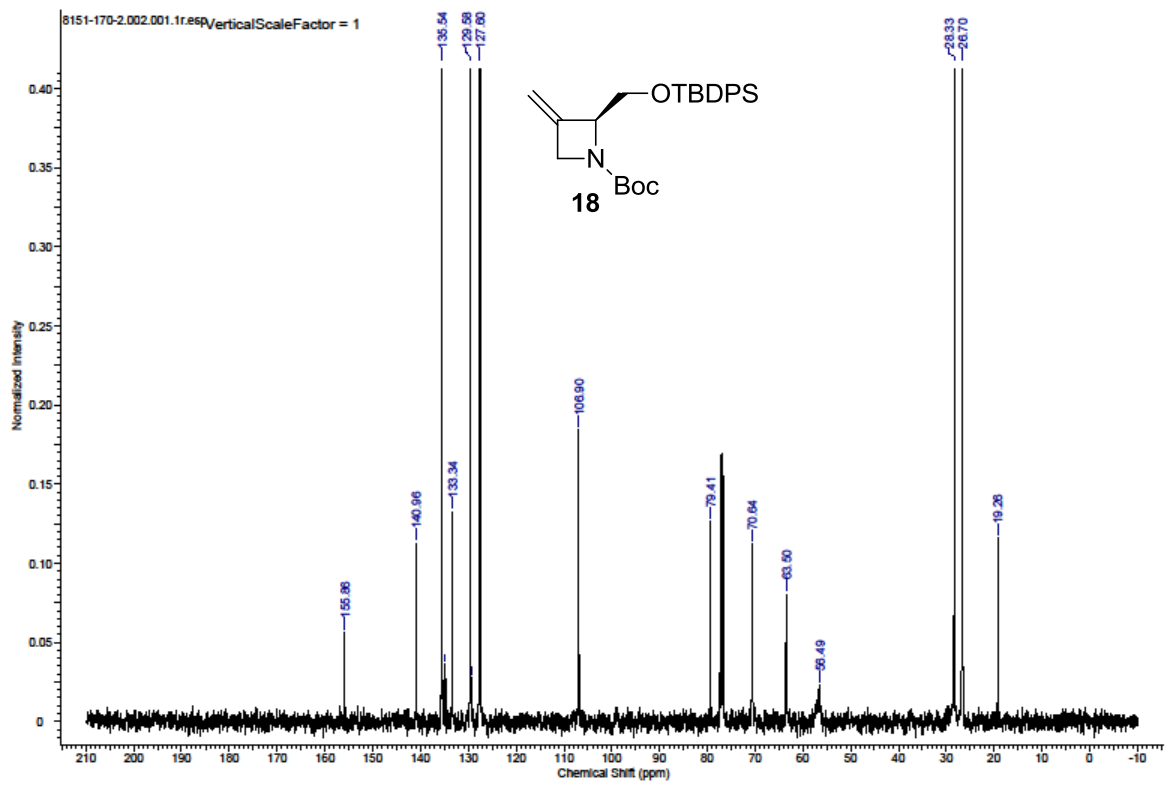
\* Corresponding author

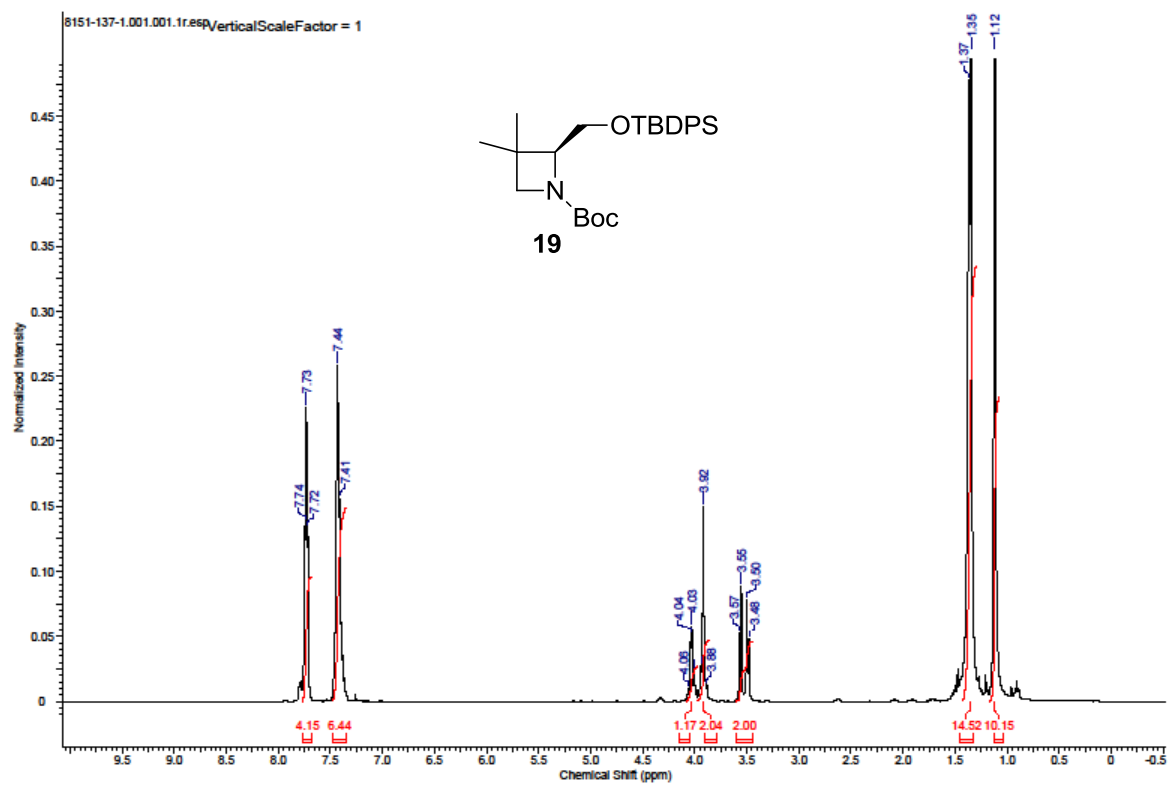
**Copies of <sup>1</sup>H and <sup>13</sup>C NMR spectra of all new compounds**

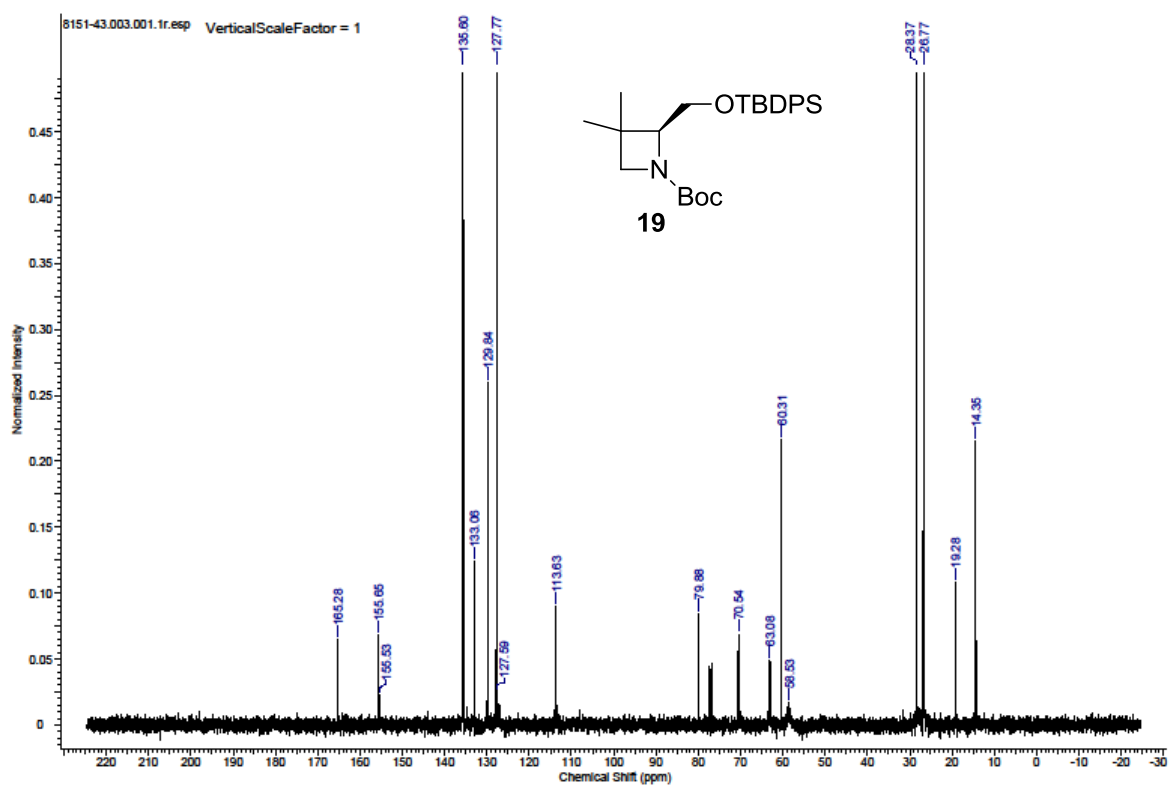


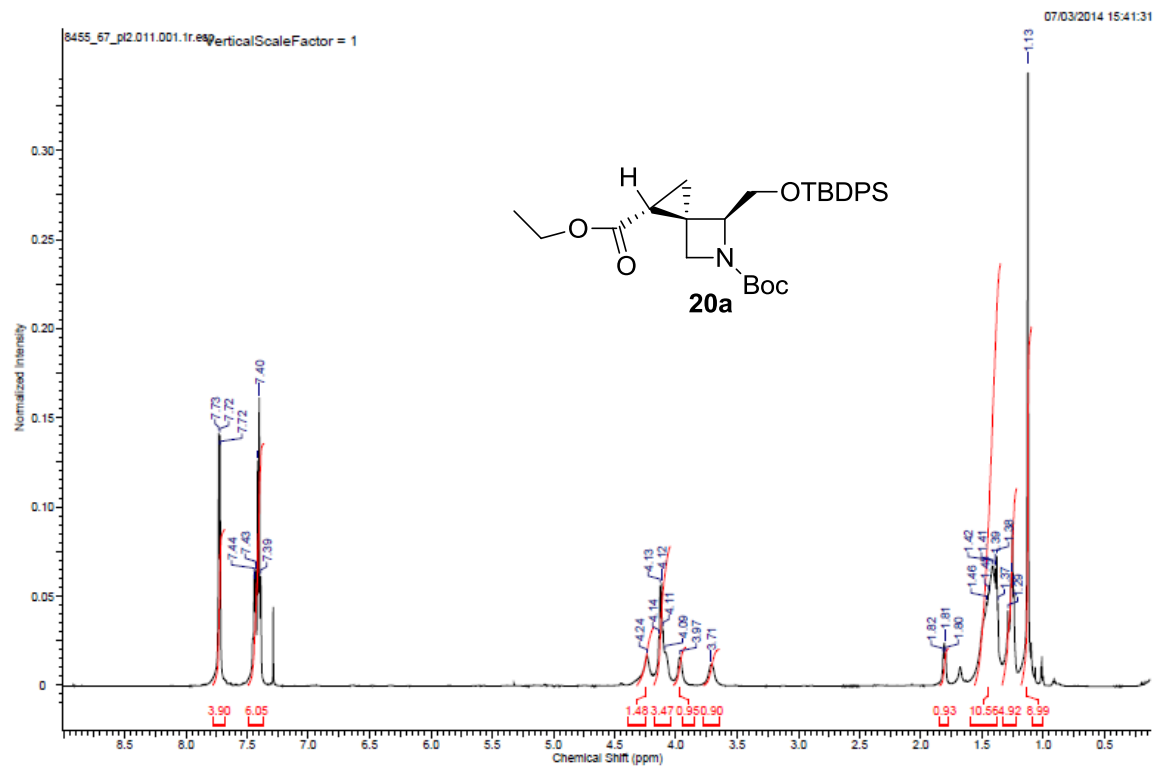
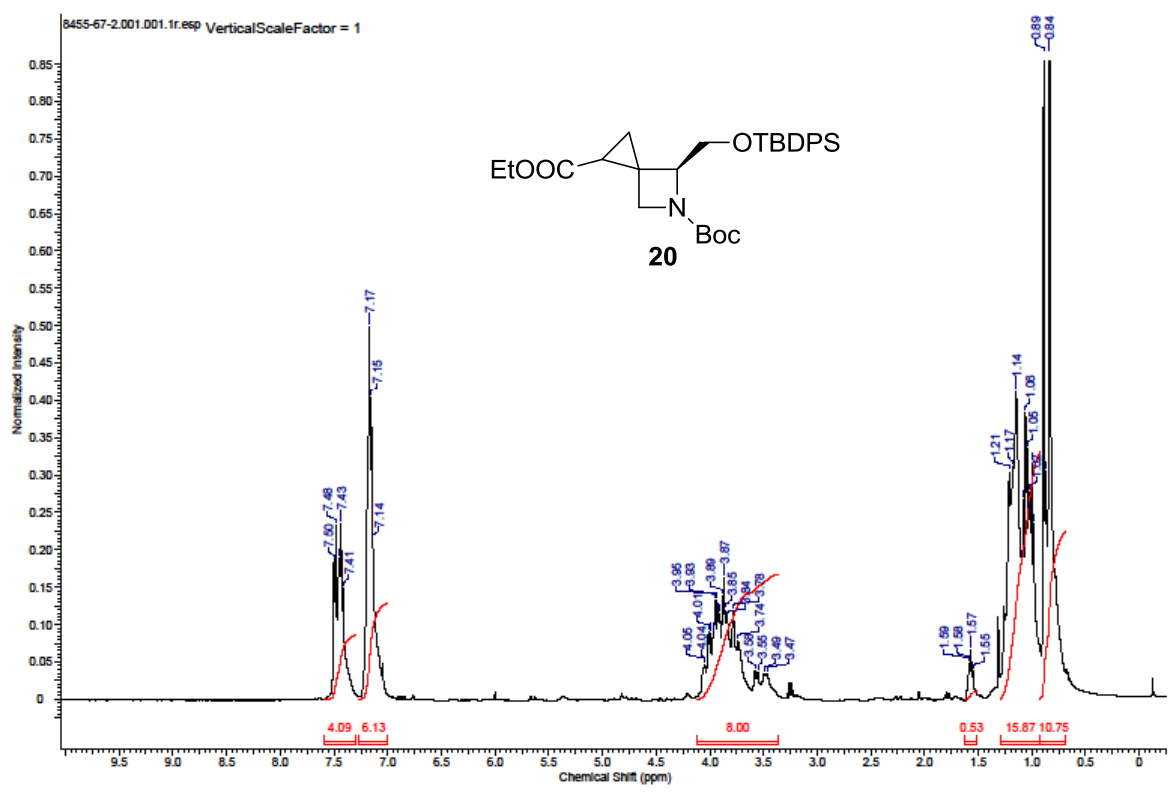




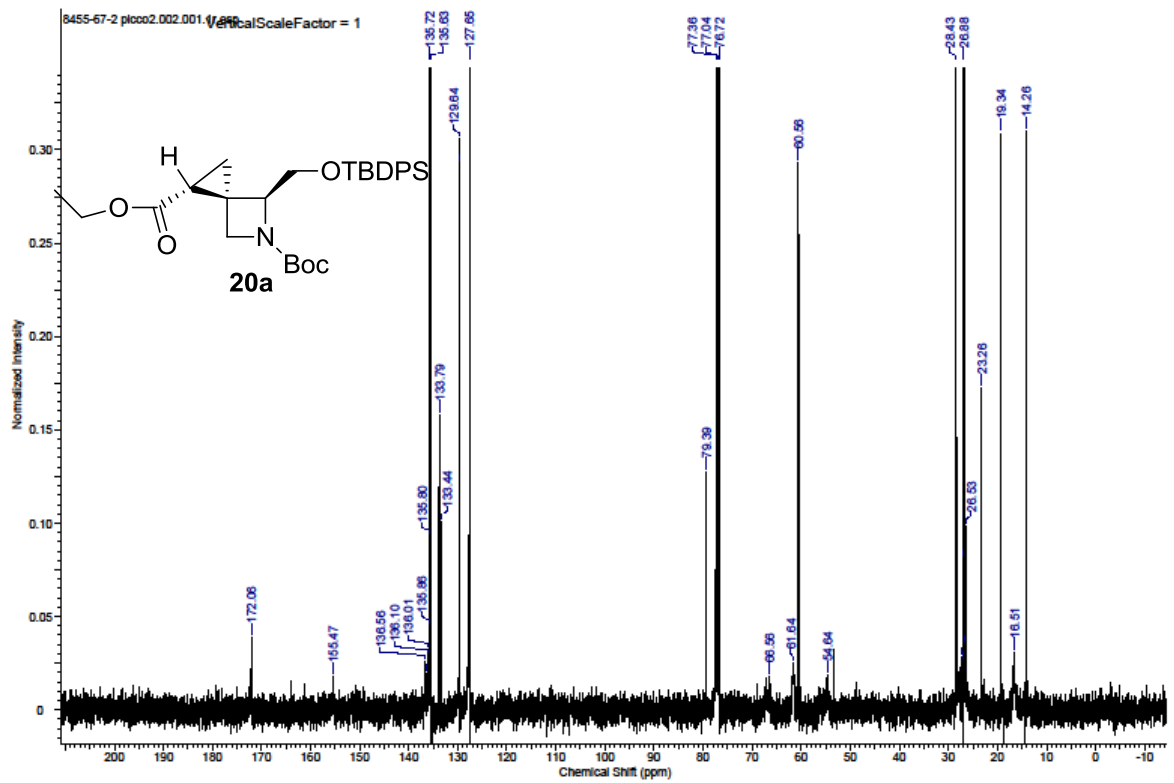
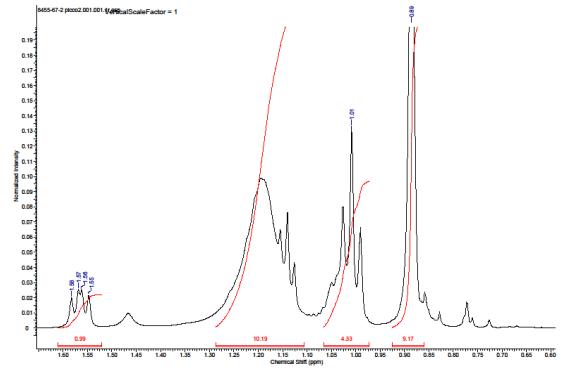
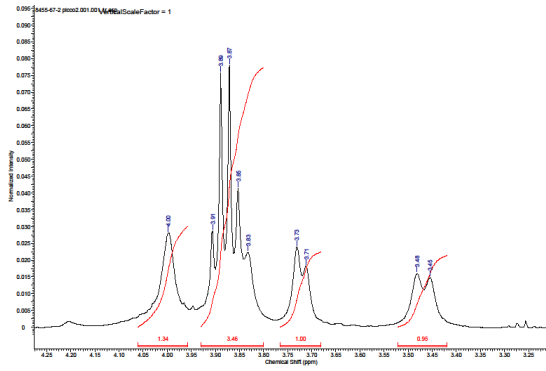


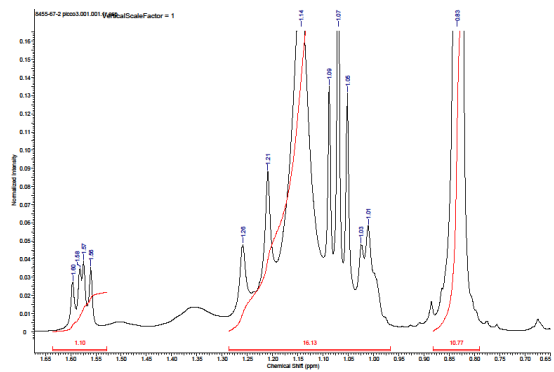
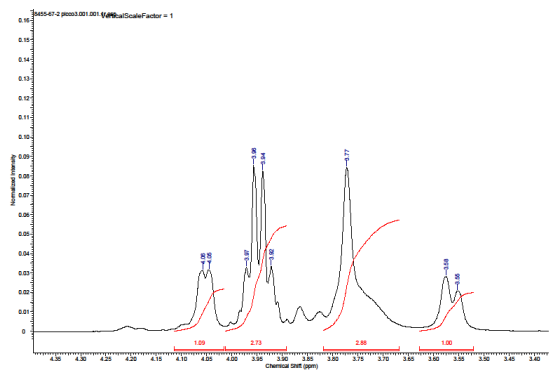
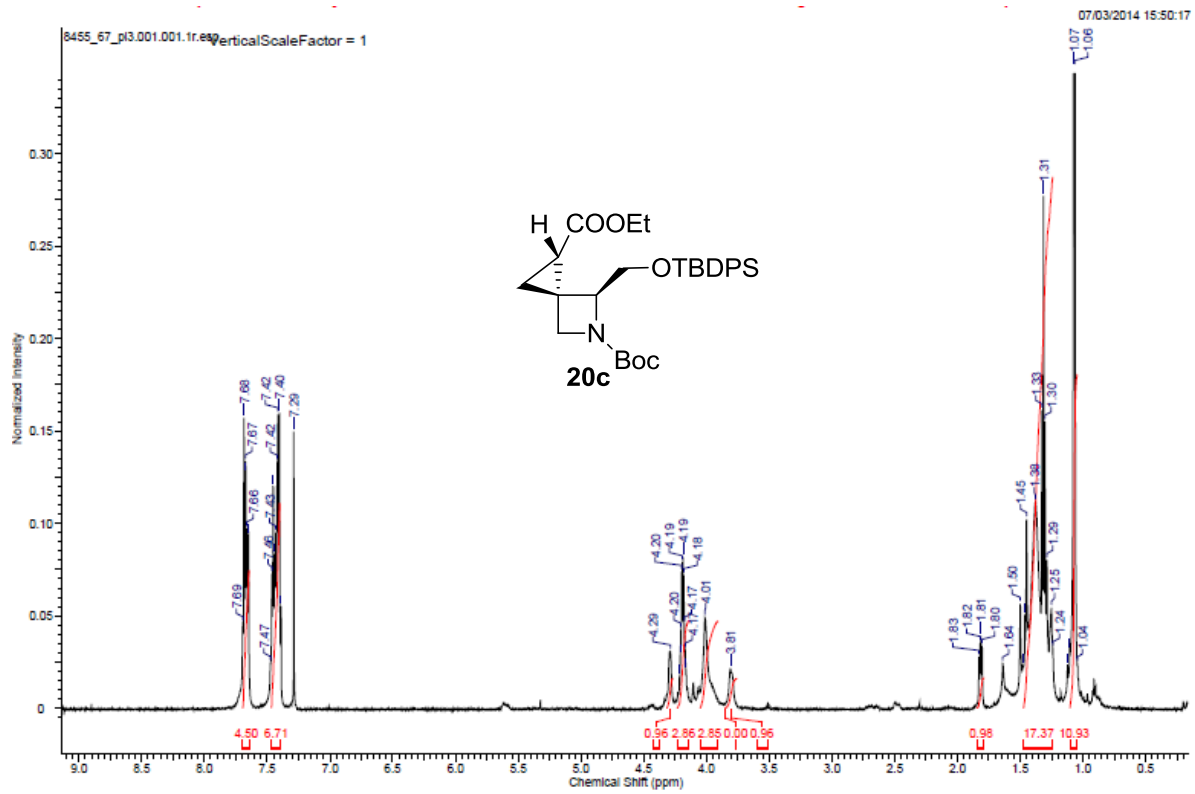


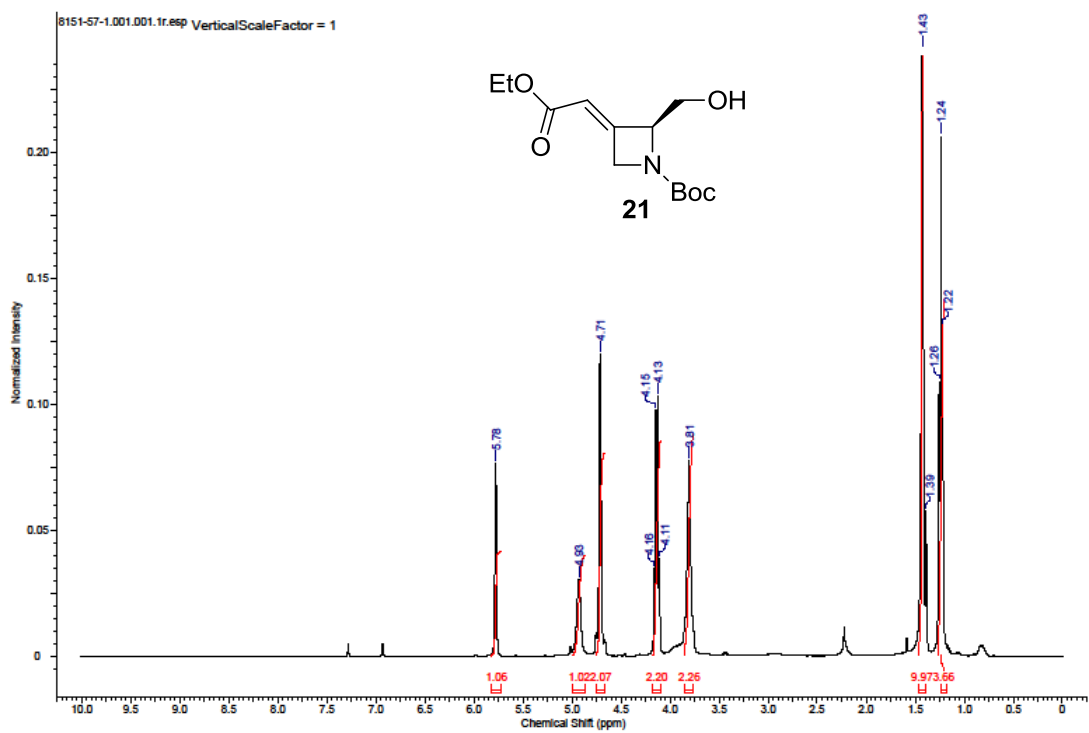
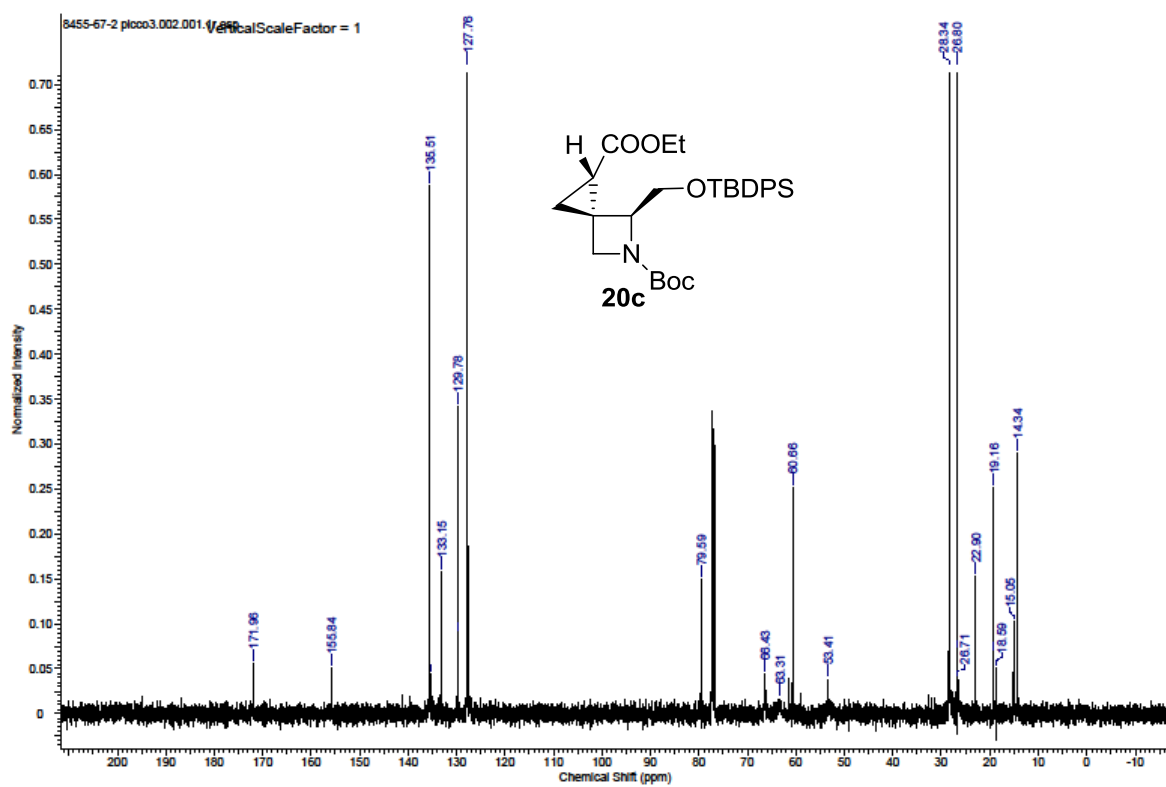


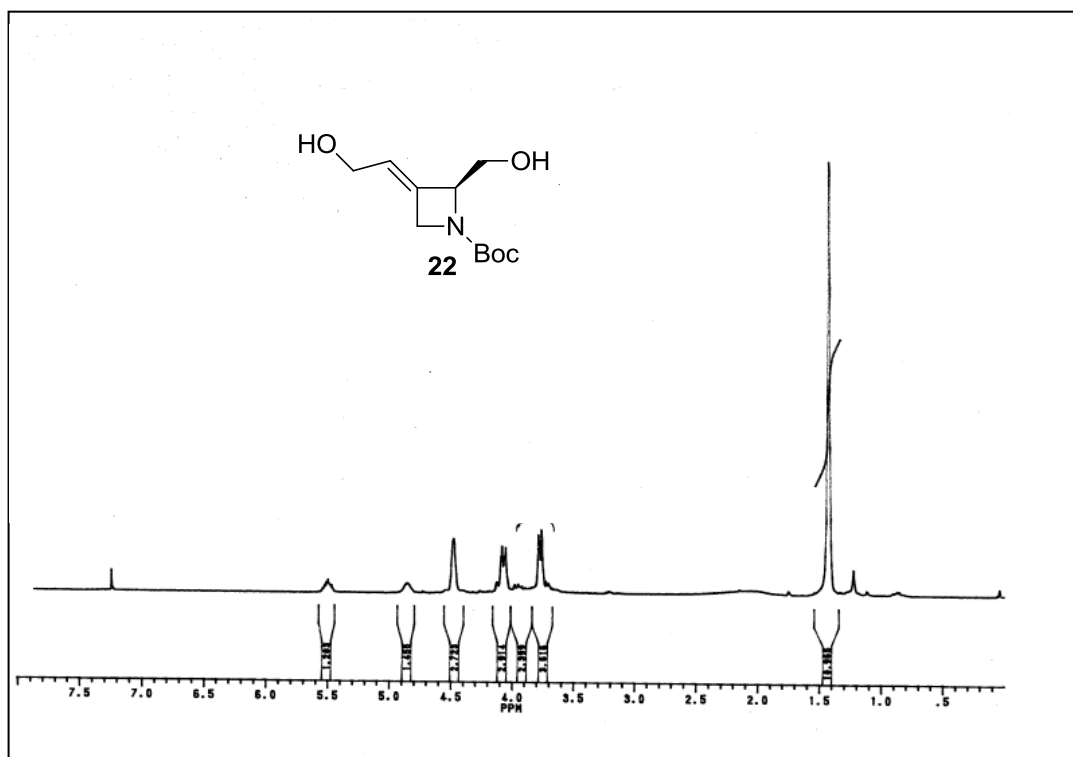


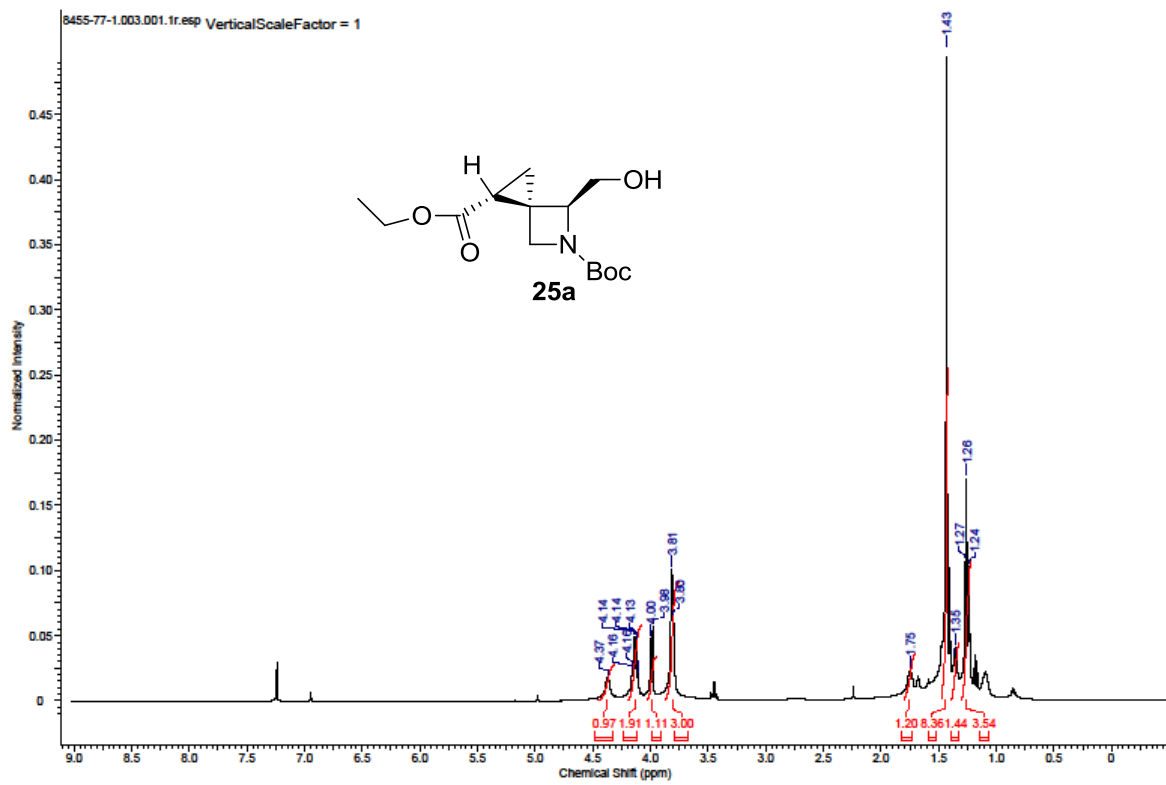


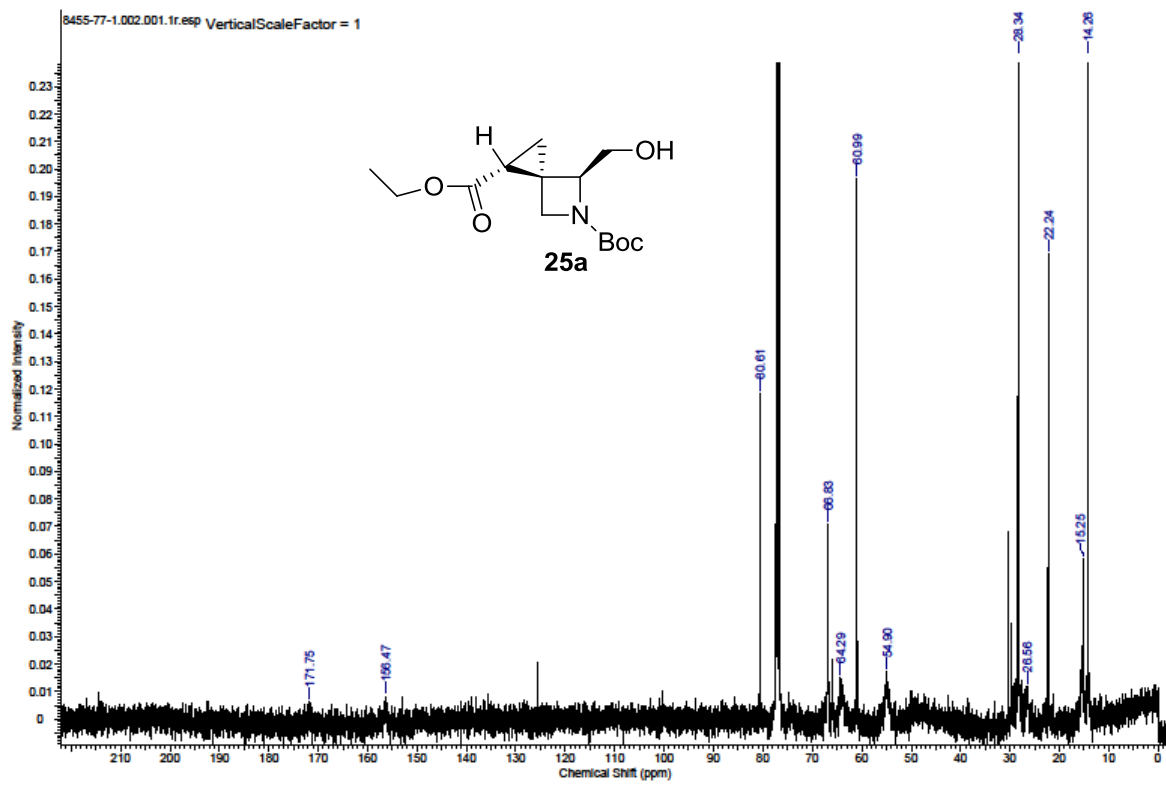


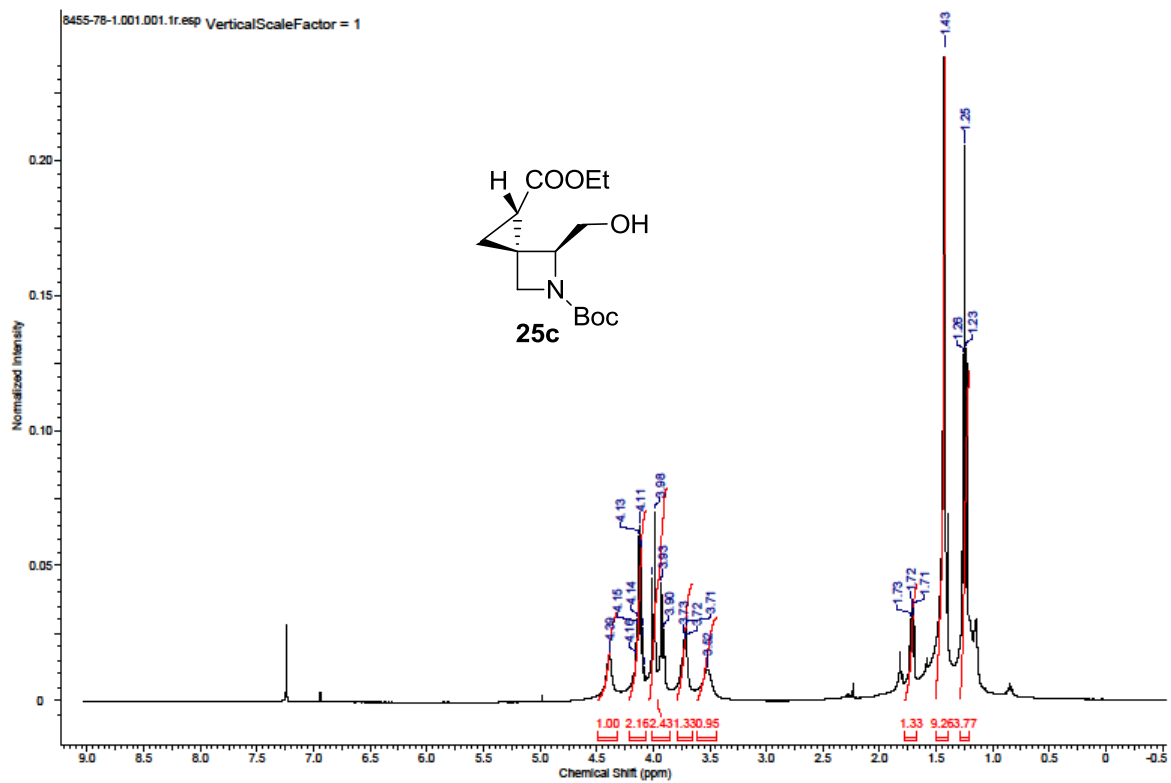


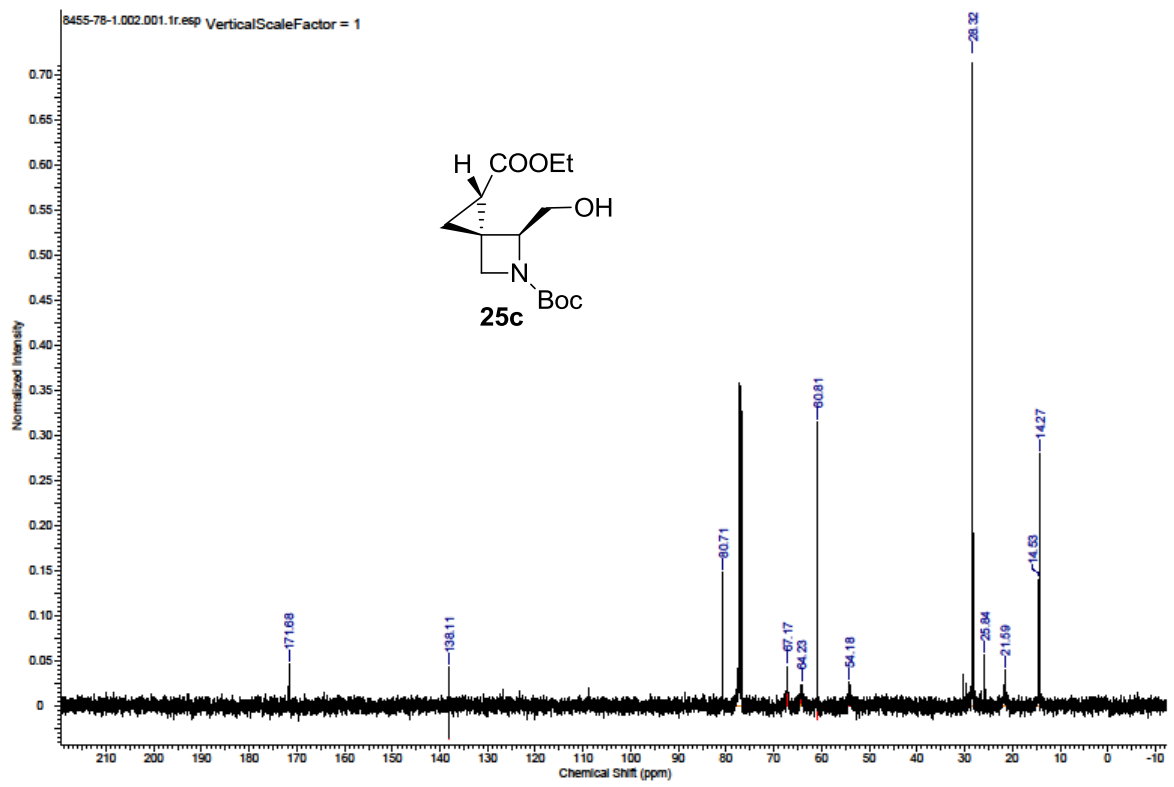




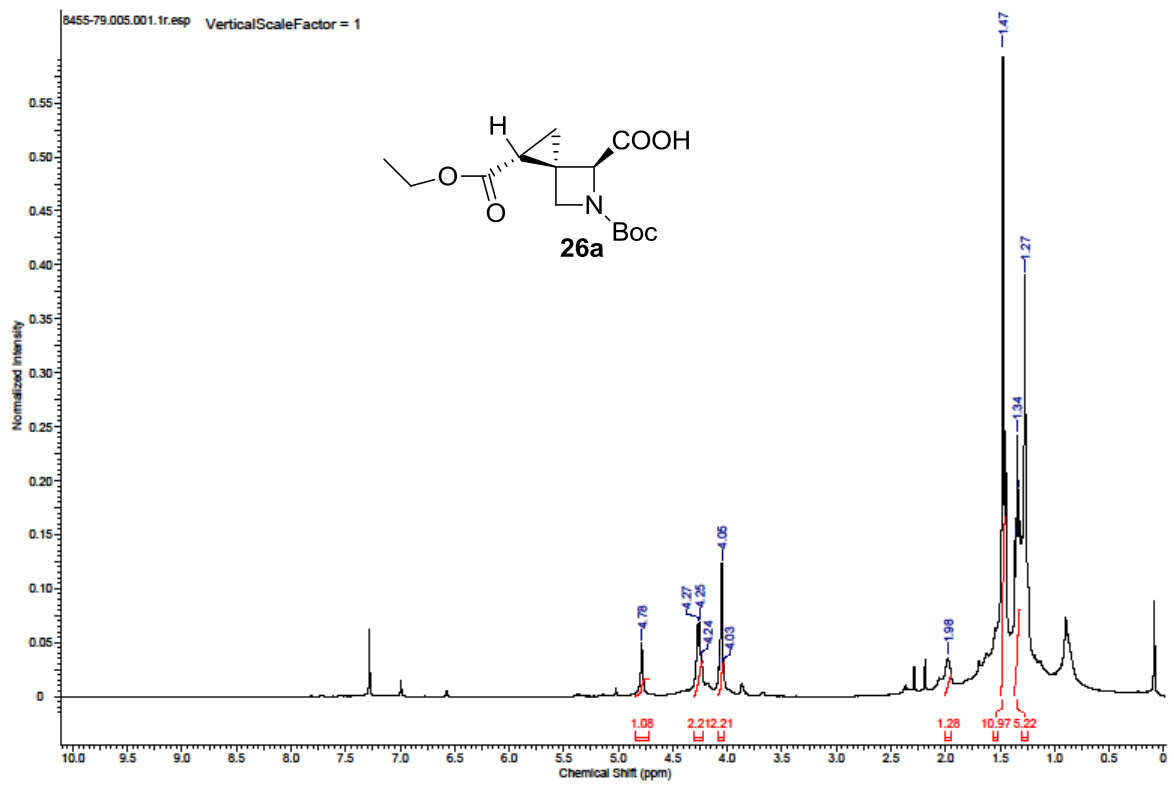


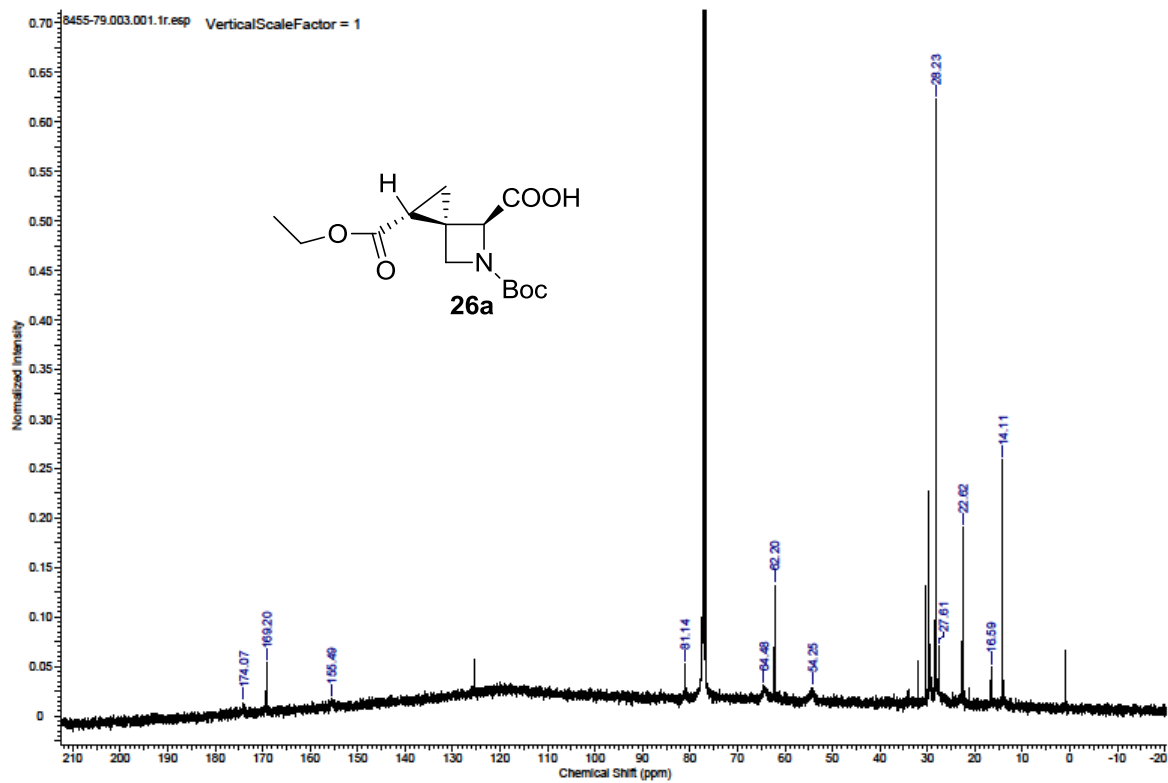


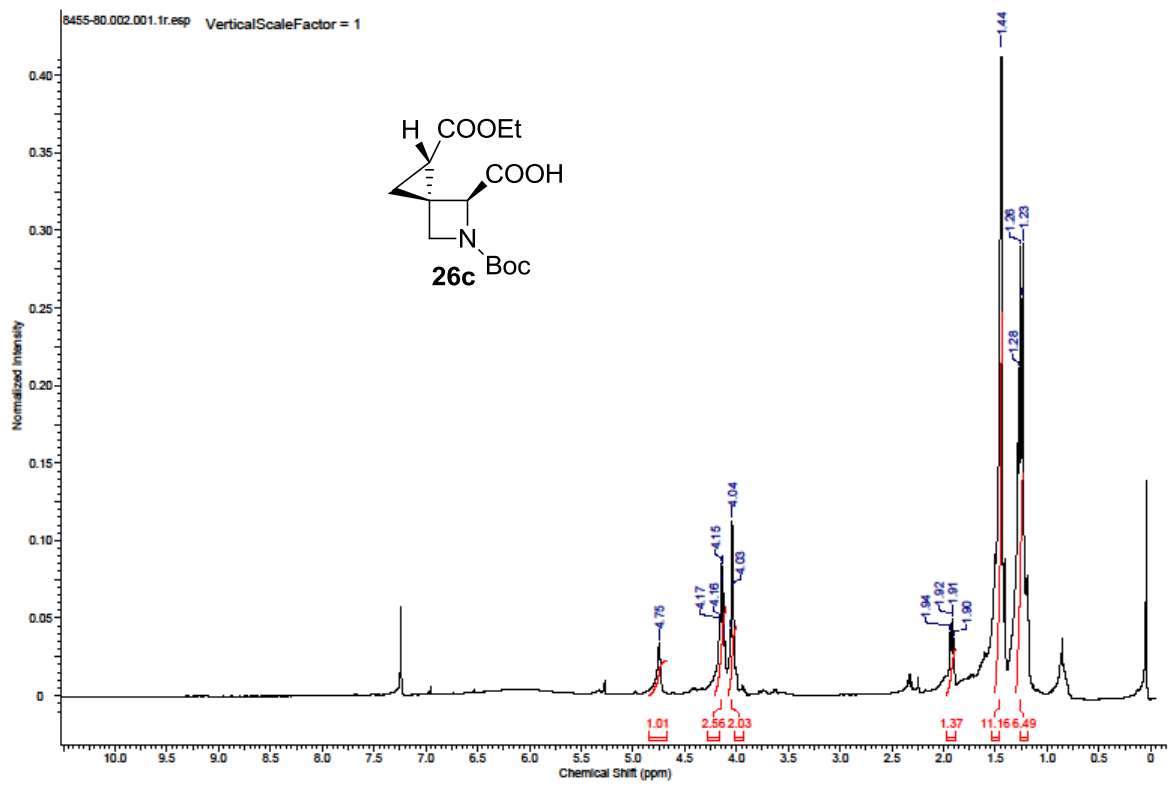


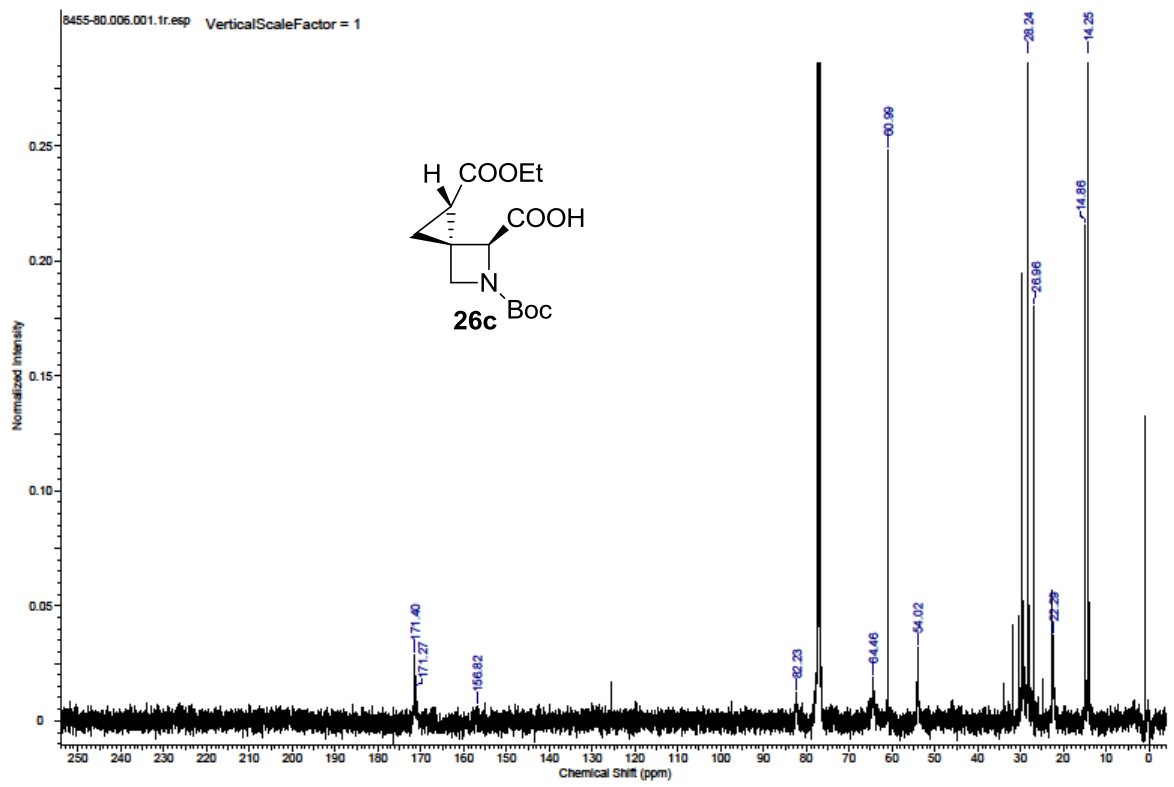


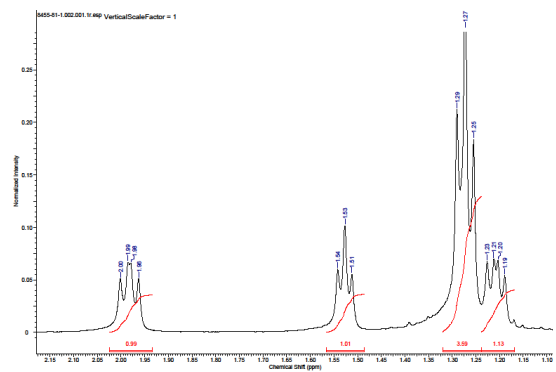
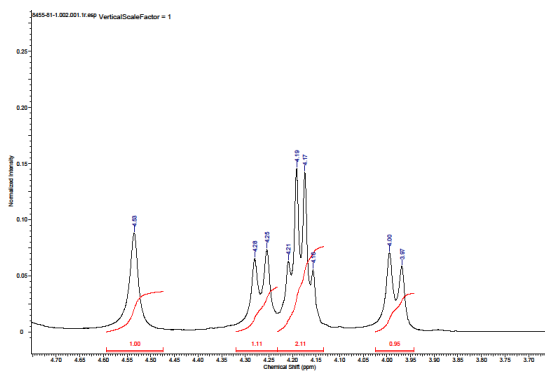
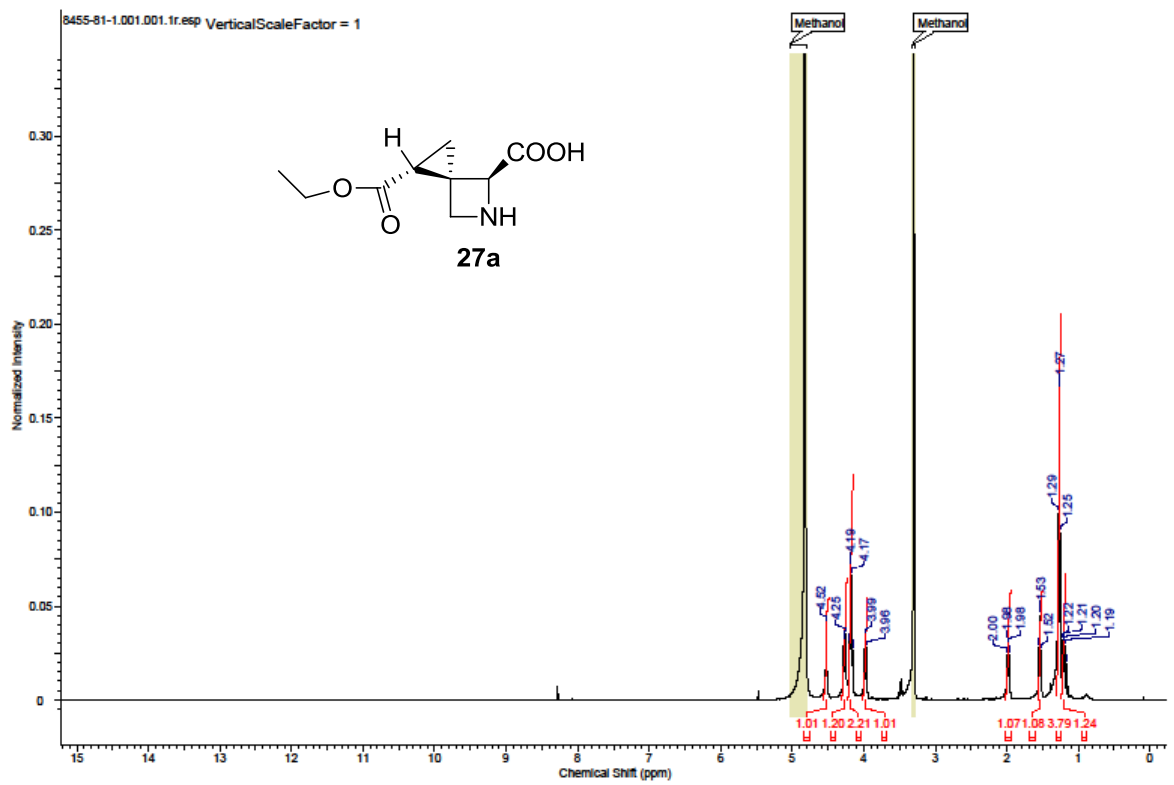


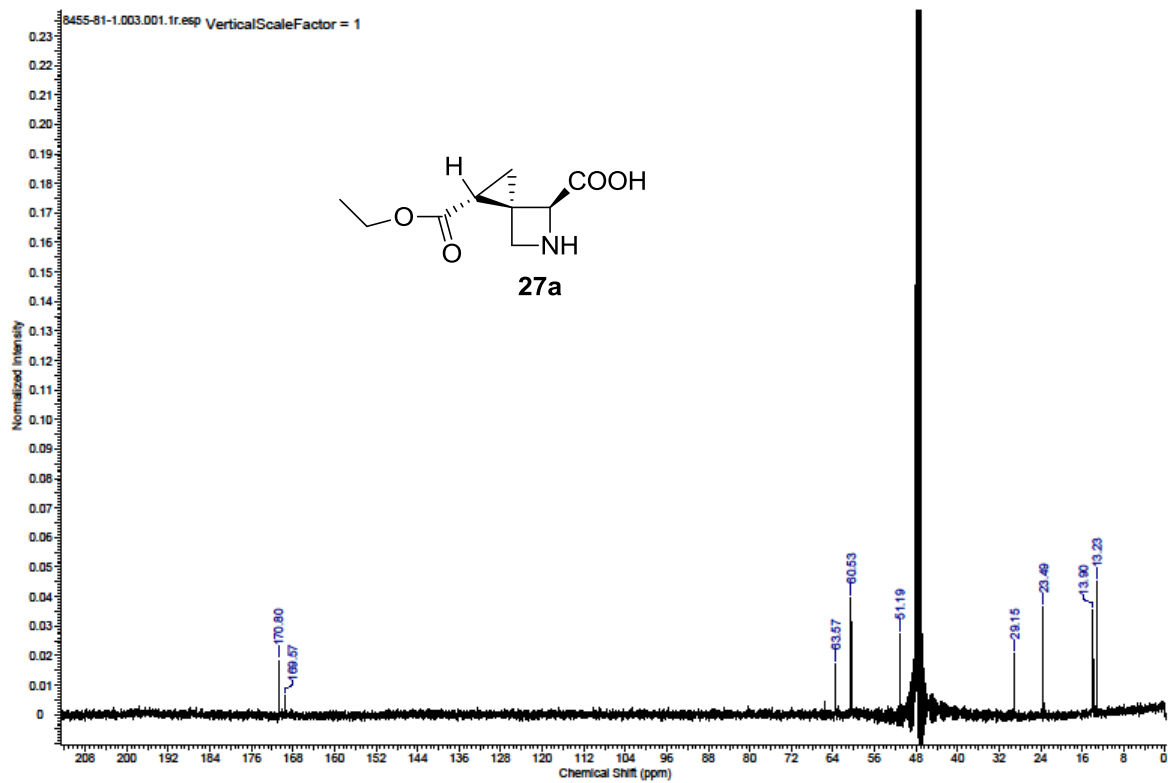


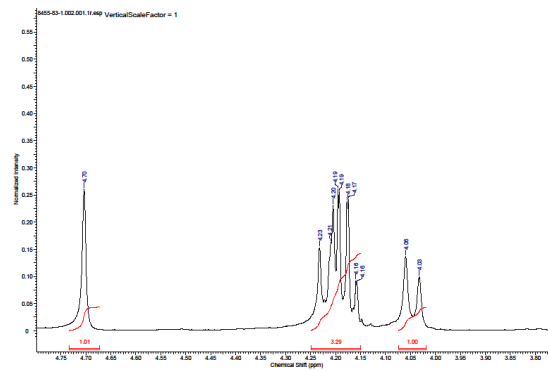
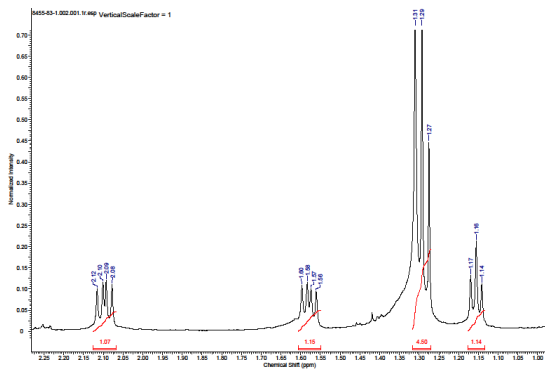
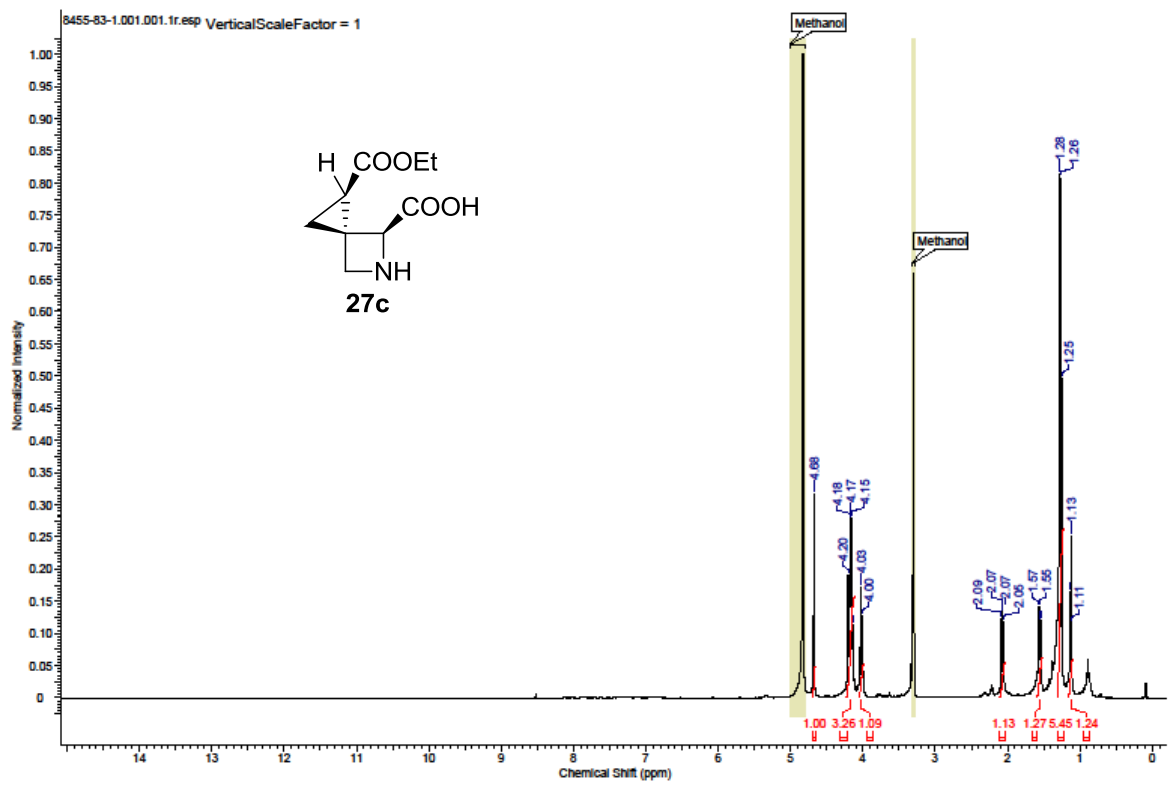












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