

Supporting Information

Pyrrolidine-based 3-deoxysphingosylphosphorylcholine analogs as possible candidates against neglected tropical diseases (NTDs): Identification of hit compounds towards development of potential treatment of *Leishmania donovani*

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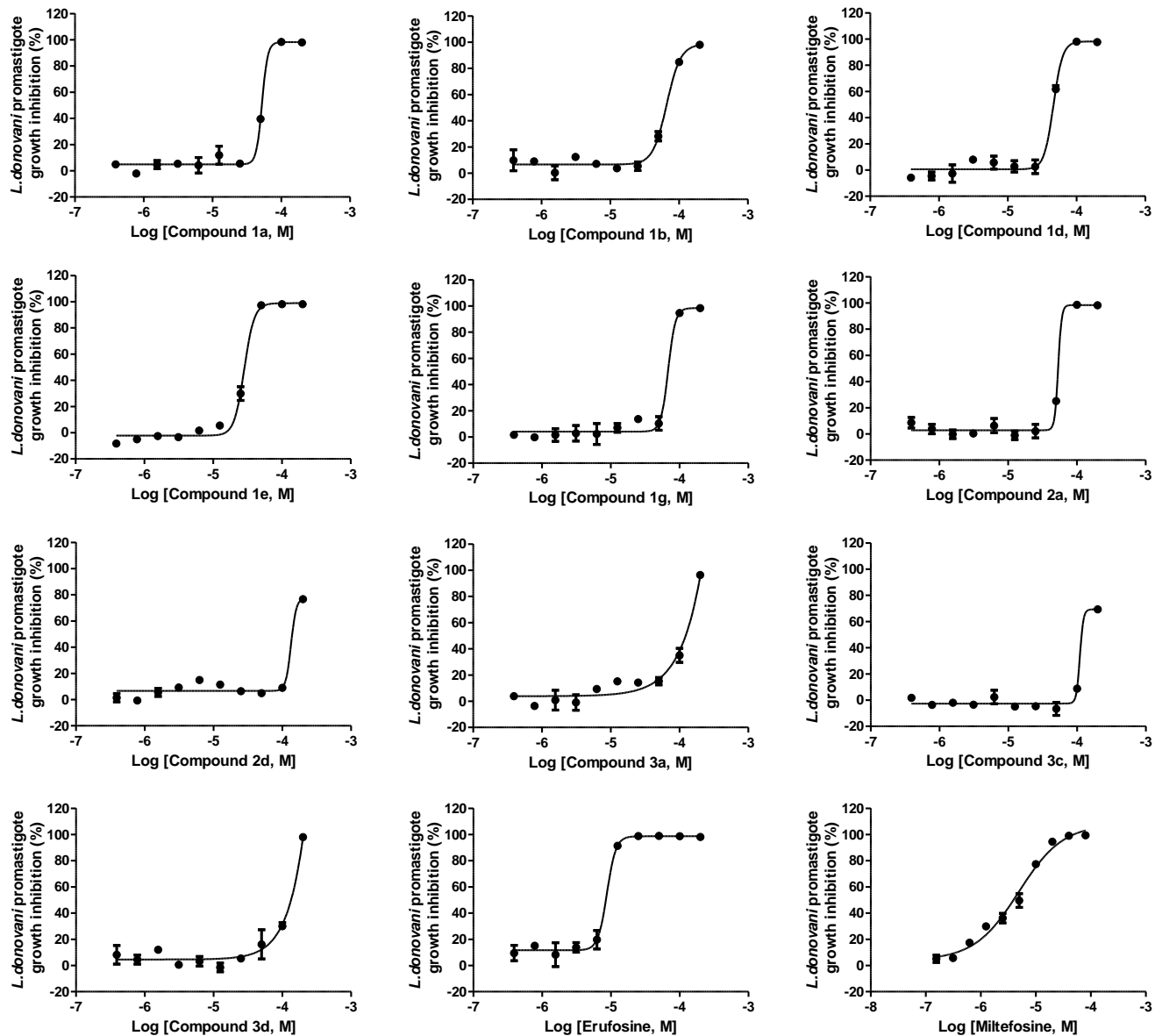
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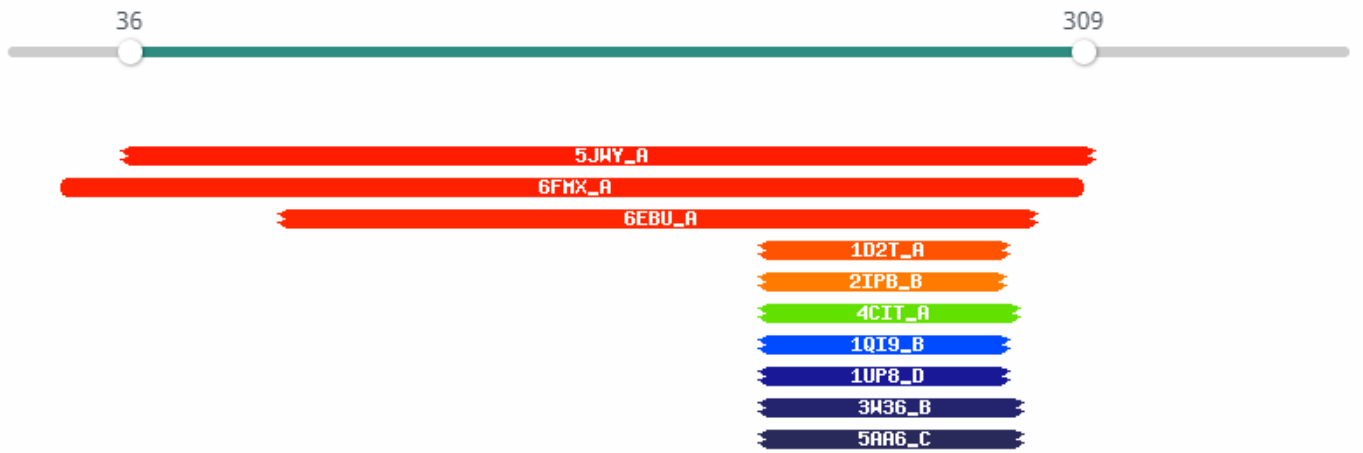
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¹ Both of Ahmed H.E. Hassan and Trong-Nhat Phan have contributed equally. Accordingly, they should be recognized as co-first authors.

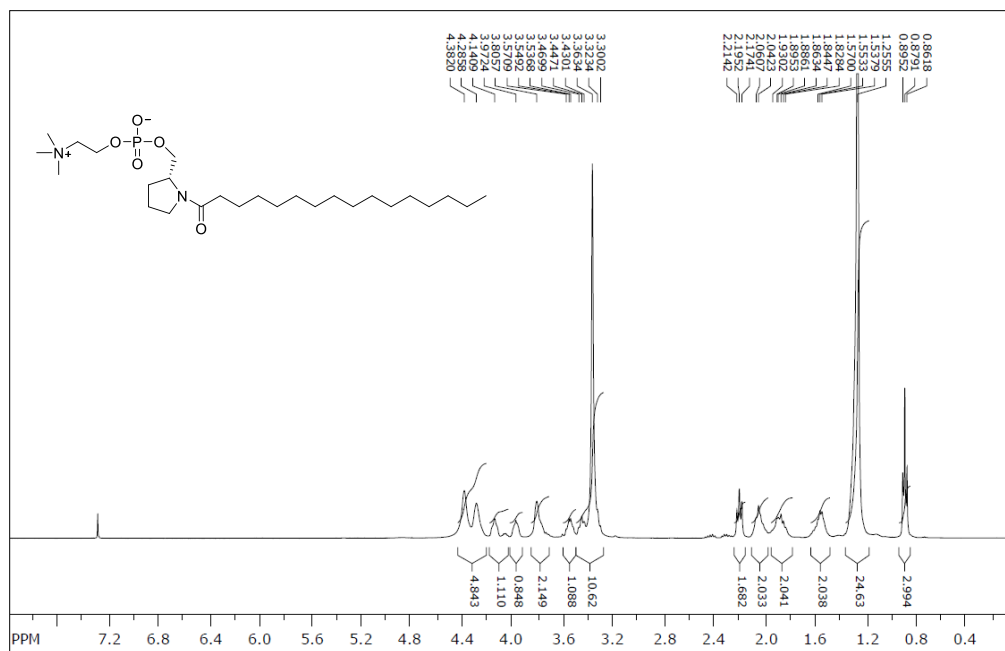
***Corresponding authors:** Yong Sup Lee (e-mail: kyslee@khu.ac.kr) and Joo Hwan No (e-mail: joohwan.no@ip-korea.org).



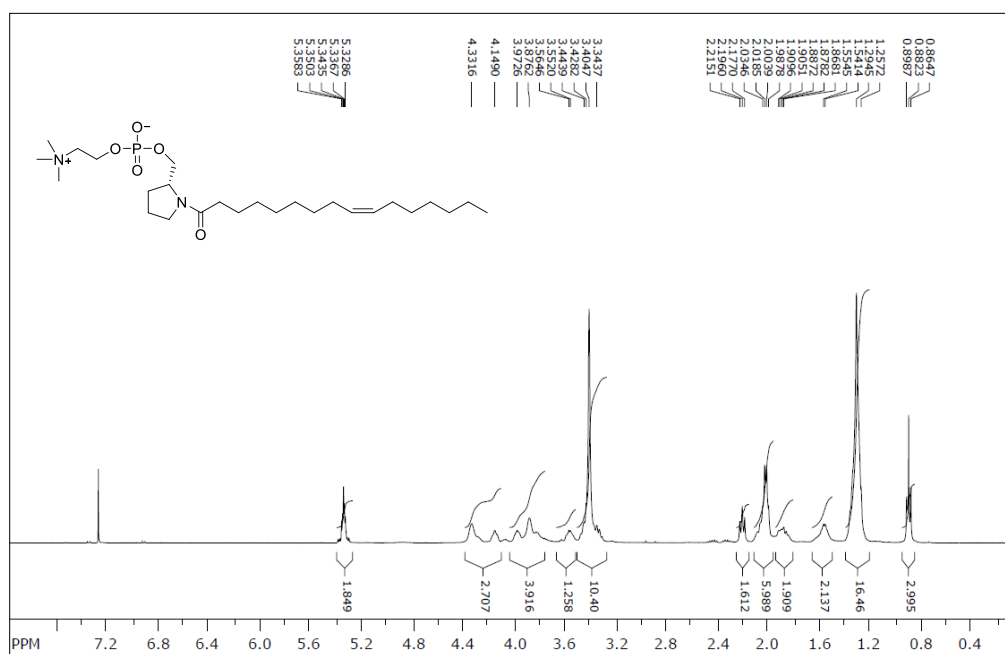
Dose-response curves of the standard erufosine, miltefosine and the hit compounds against *L. donovani* promastigote growth. The results are expressed as mean standard deviation values of duplicate experiments.



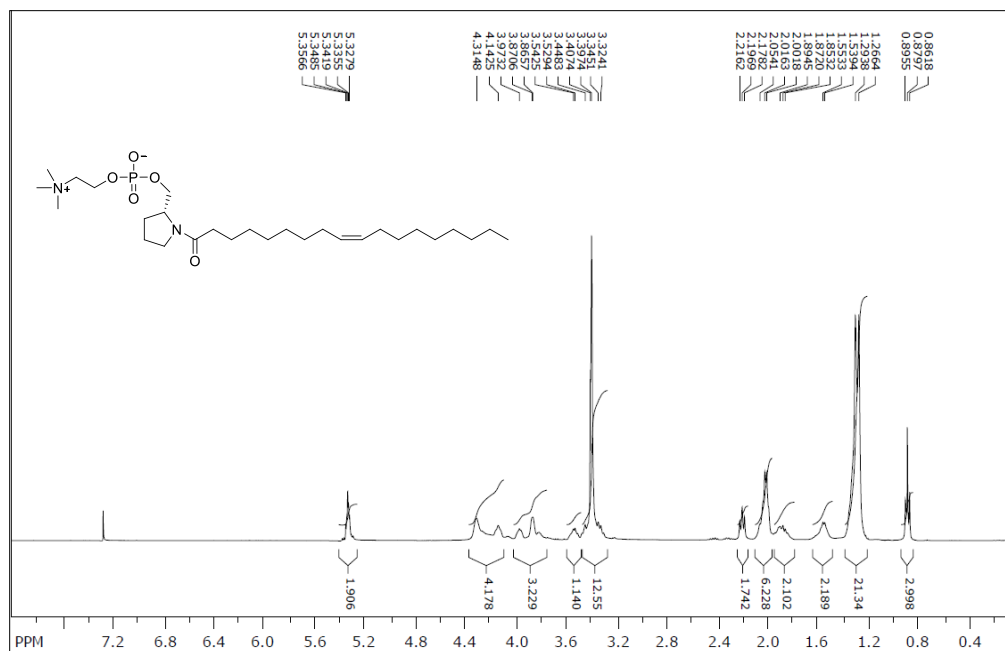
Templates retrieved for Sequence of IPCS of *Leishmania donovani* (Uniport ID: E9BT22)



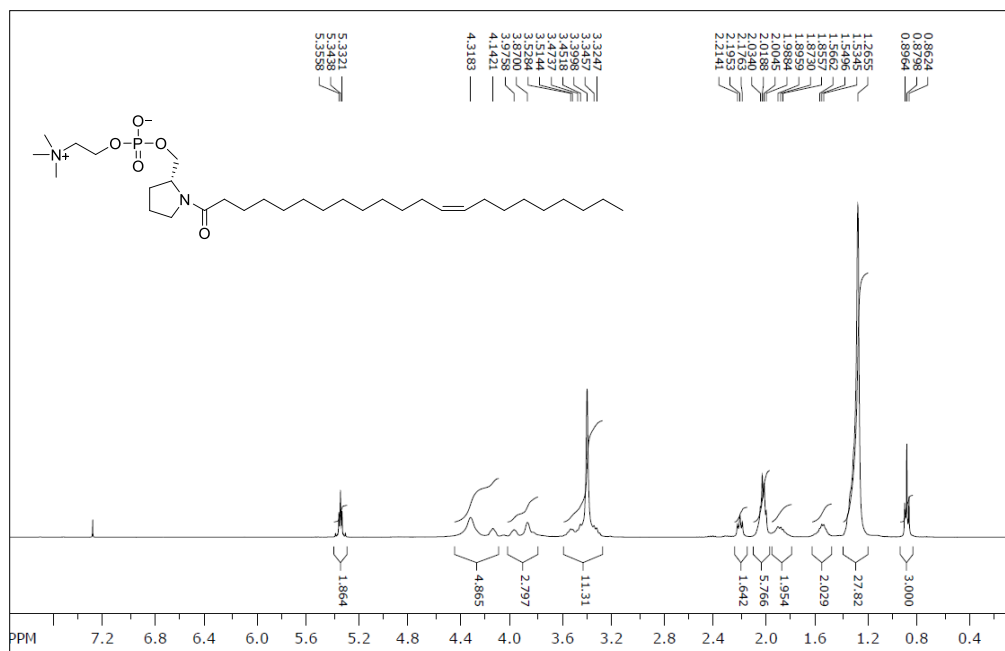
¹H NMR spectra of compound **1a**



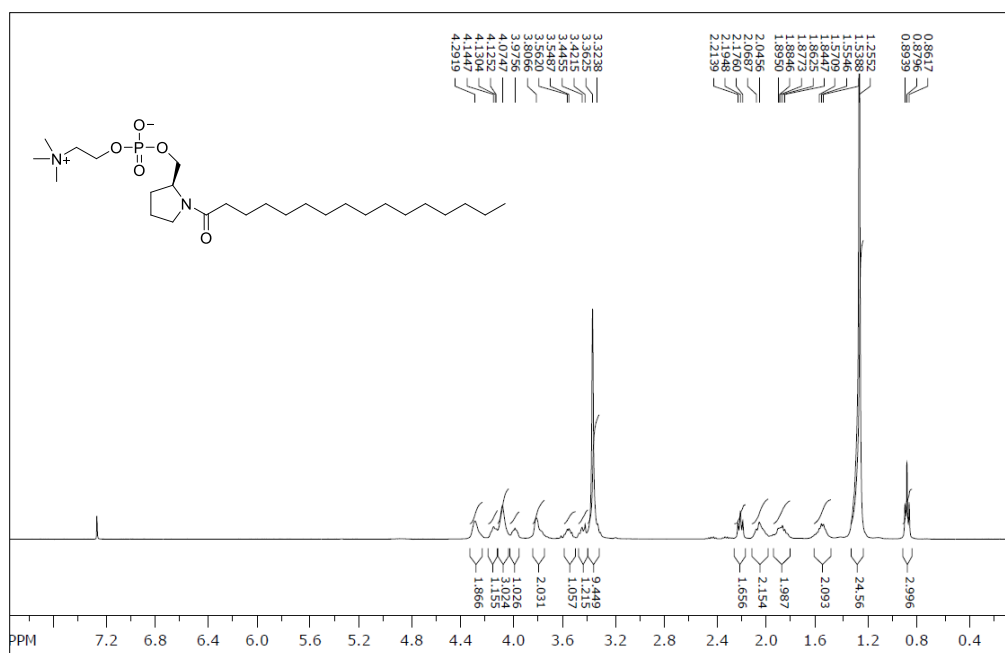
¹H NMR spectra of compound **1b**



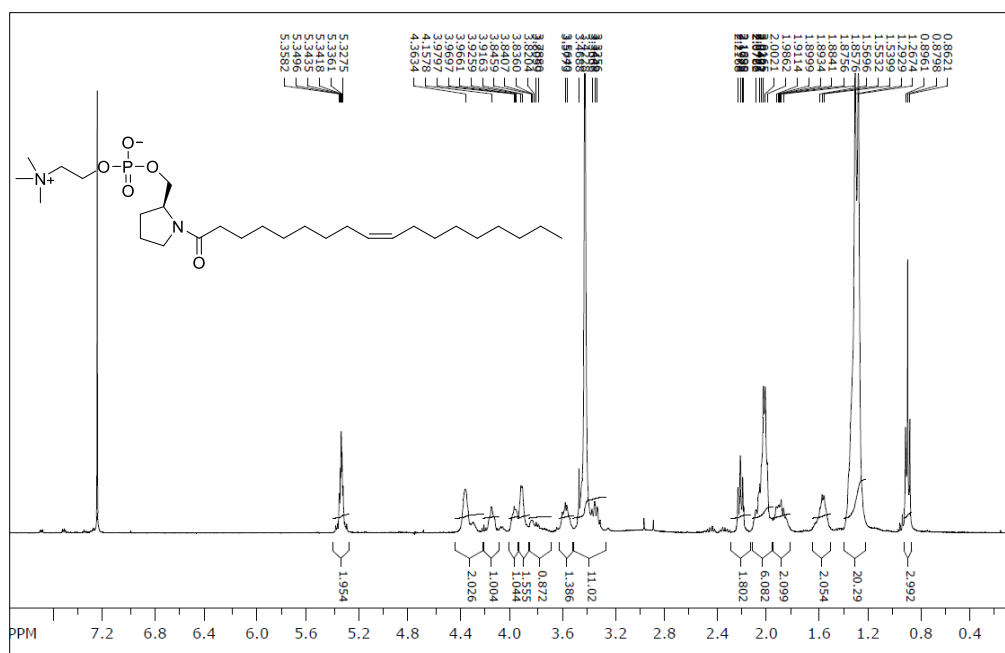
¹H NMR spectra of compound 1c



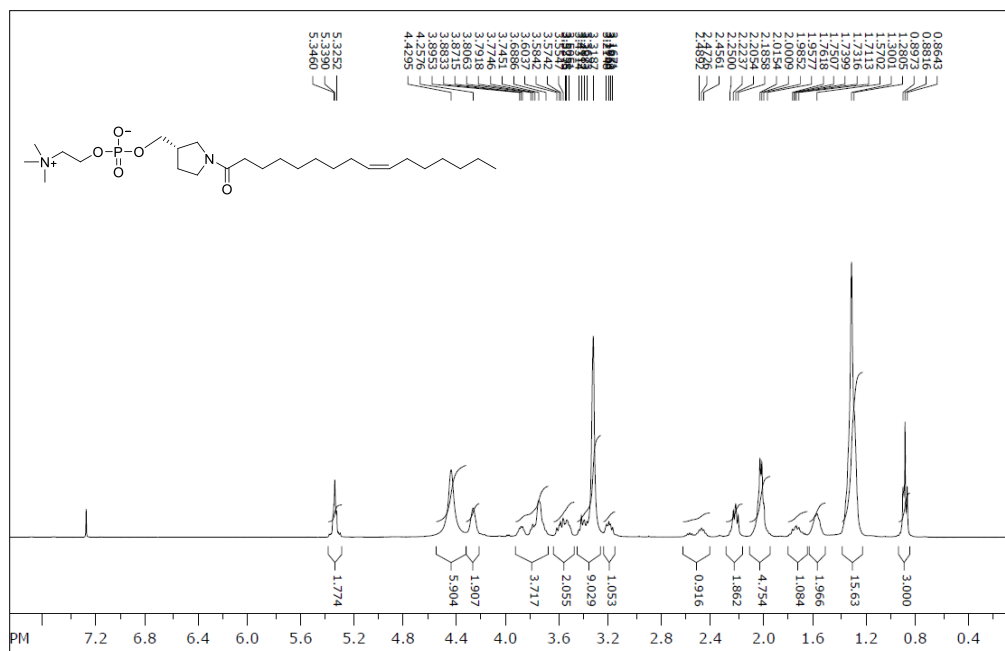
¹H NMR spectra of compound 1d



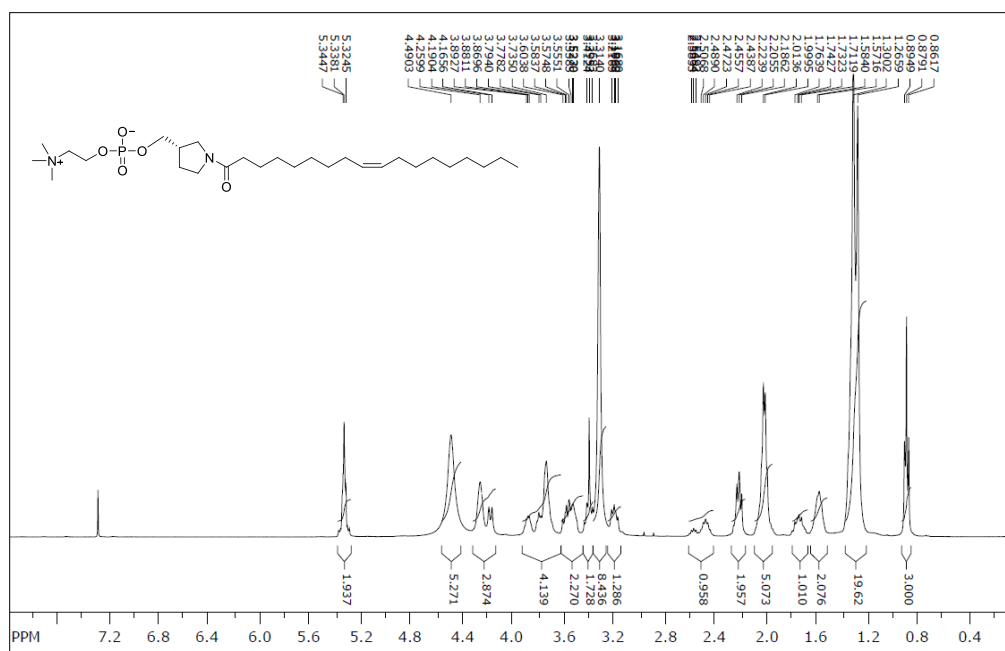
¹H NMR spectra of compound 1e



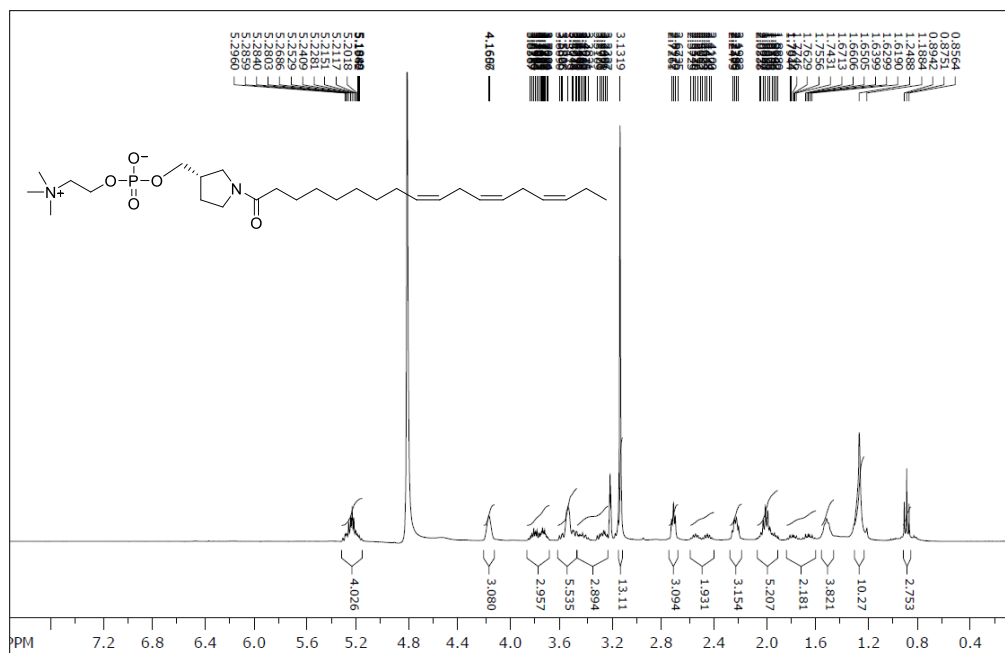
¹H NMR spectra of compound 1f

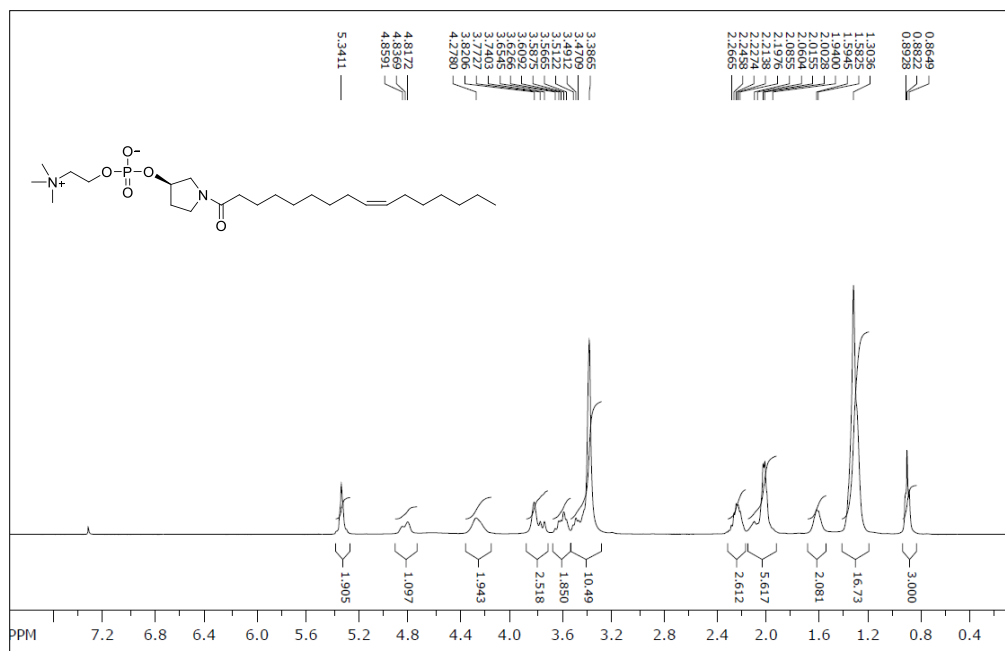


¹H NMR spectra of compound 2b

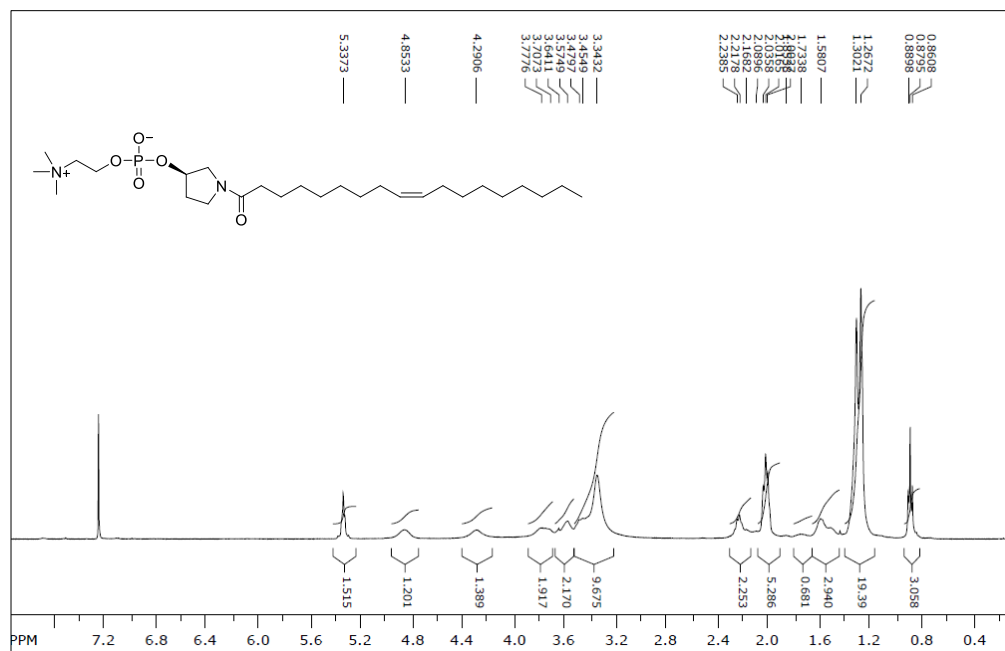


¹H NMR spectra of compound 2c

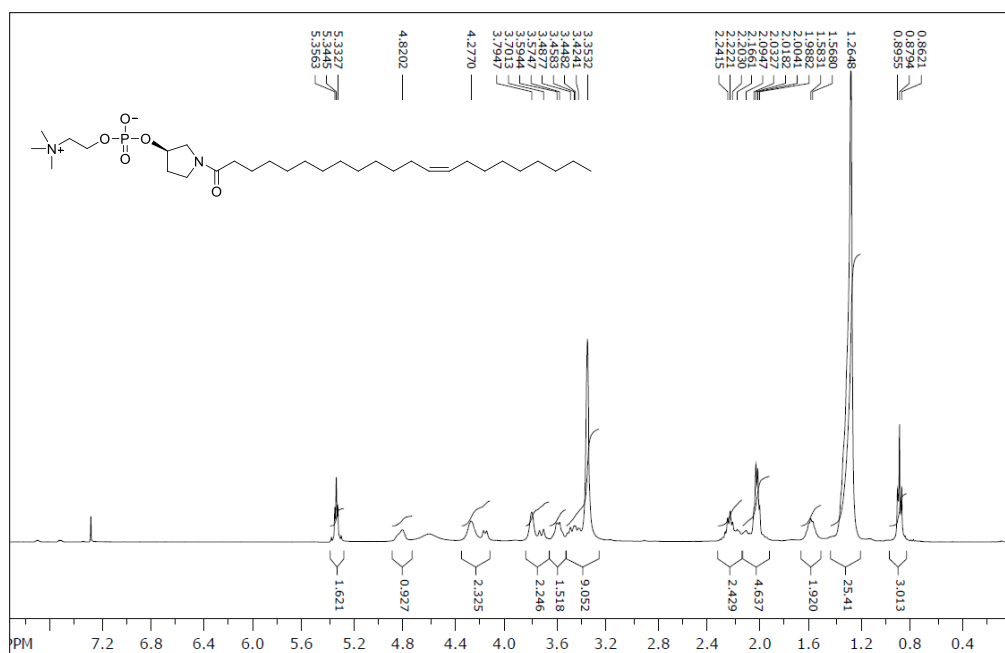




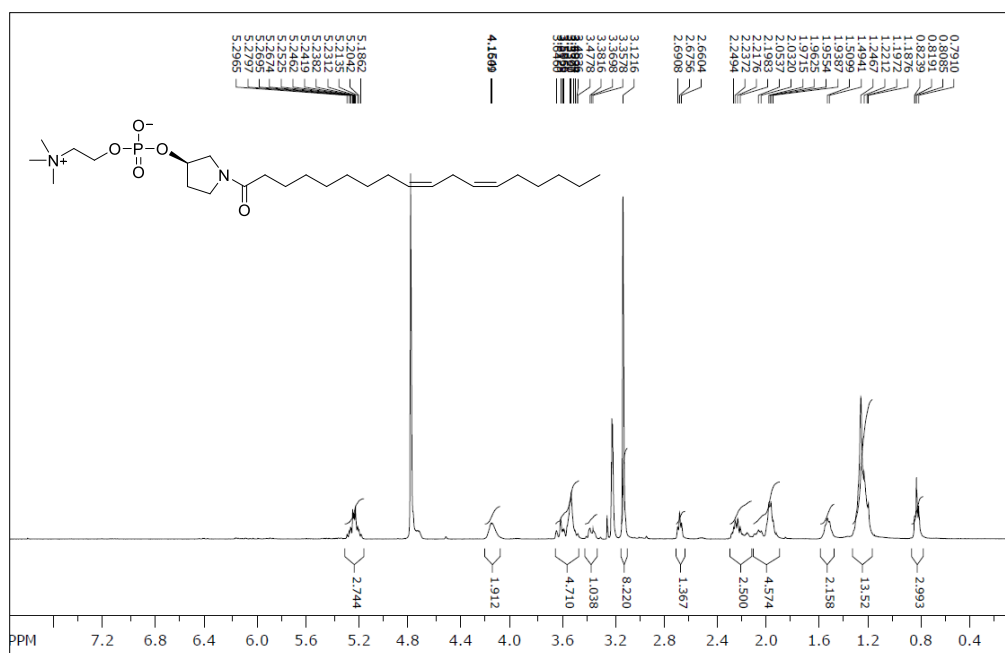
¹H NMR spectra of compound 3b



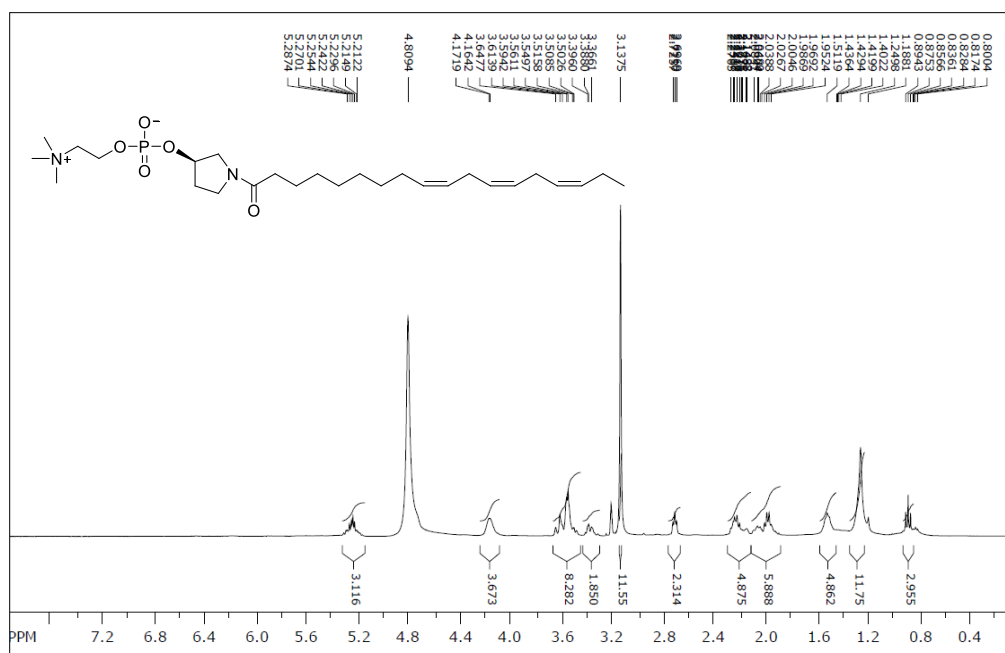
¹H NMR spectra of compound 3c



¹H NMR spectra of compound 3d



¹H NMR spectra of compound 3e



¹H NMR spectra of compound **3f**