

Alcohol functionality at fatty acid backbone of sphingomyelin guides the inhibition of blood coagulation

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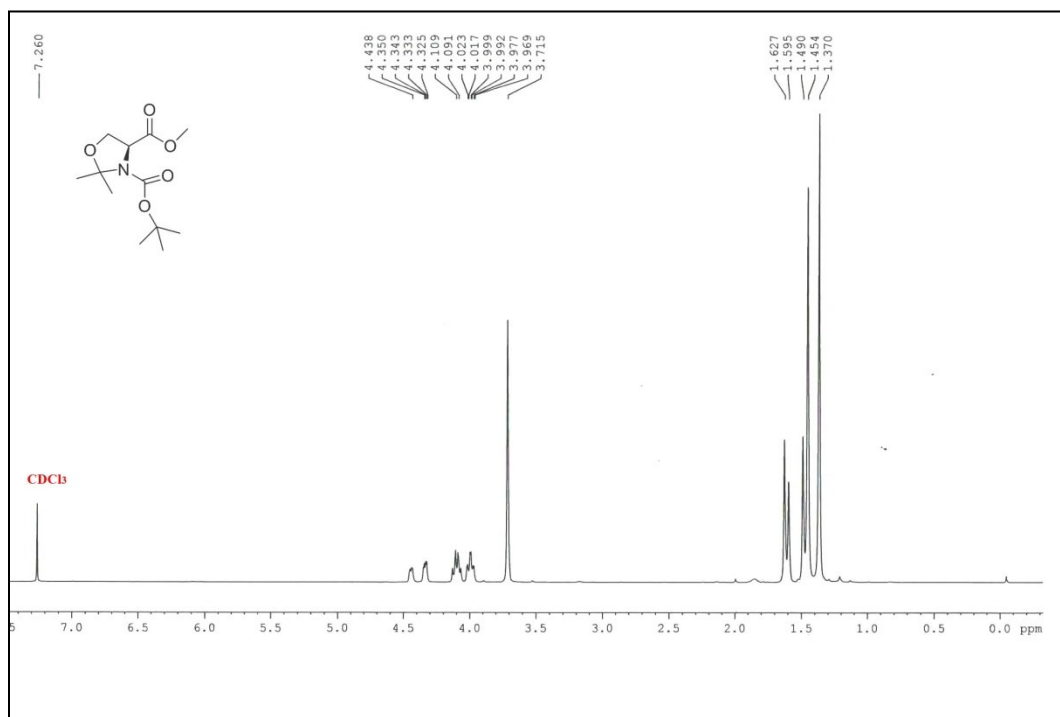
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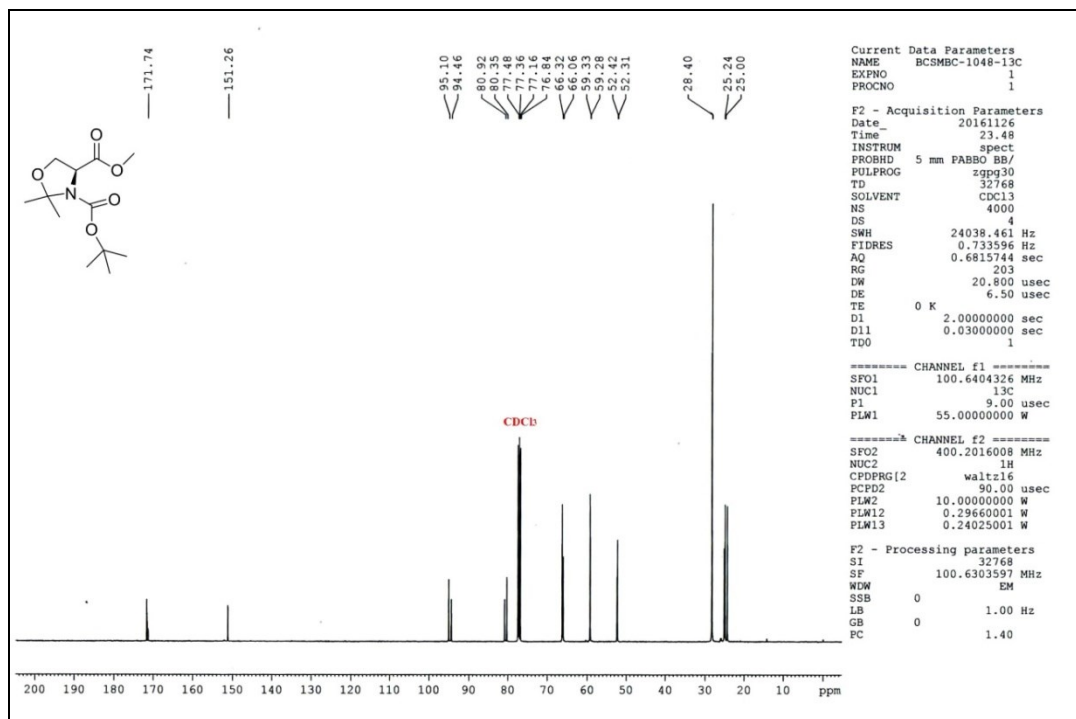
Supporting information

1.¹H NMR, ³¹P NMR and ¹³C NMR, MALDI-MS Spectra:

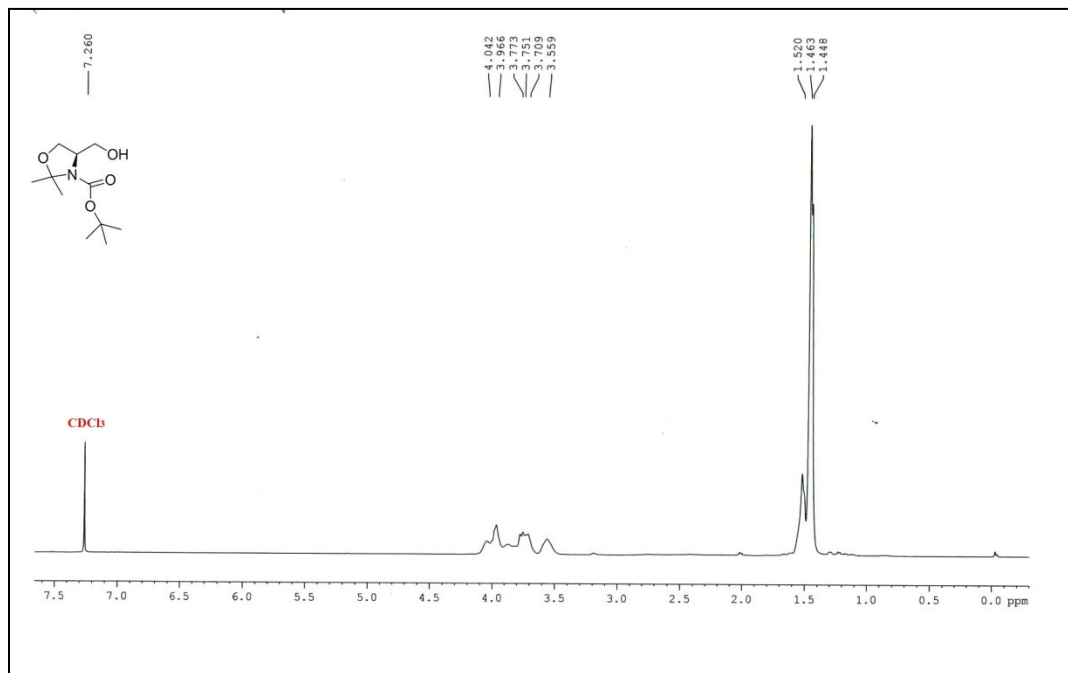
¹H NMR spectra of (S)-3-tert-butyl 4-methyl 2,2-dimethyloxazolidine-3,4-dicarboxylate (1)



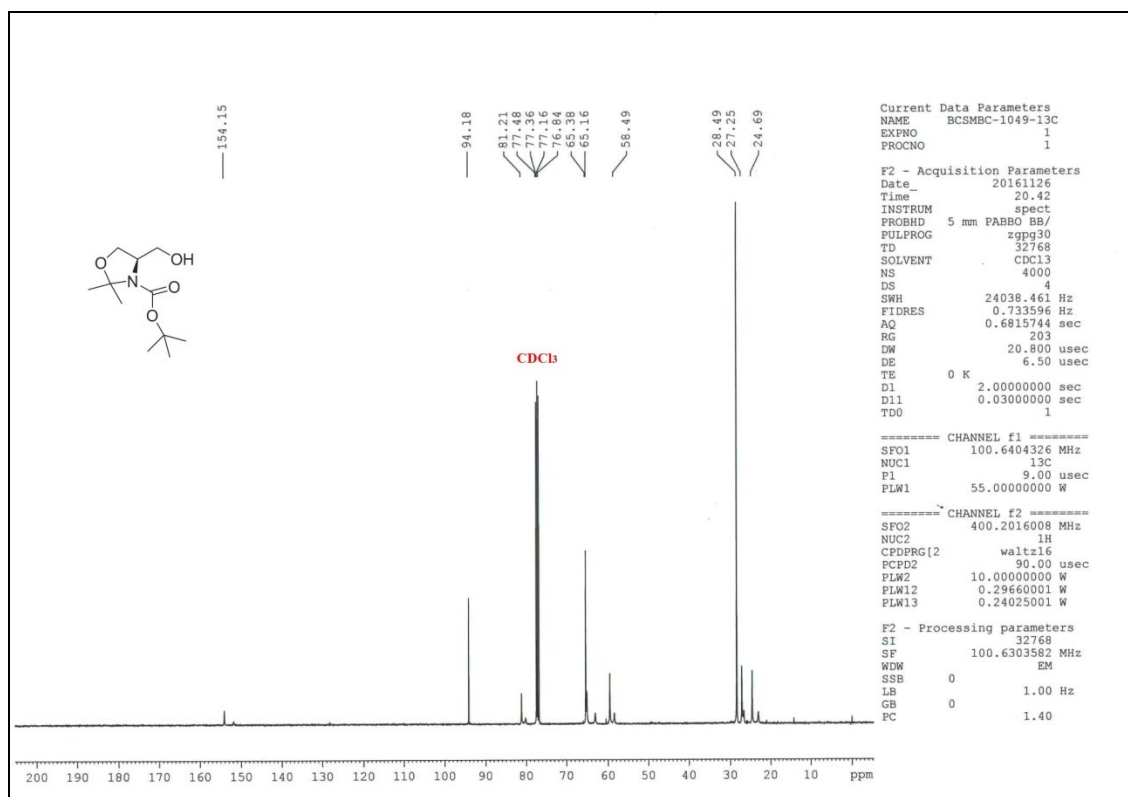
¹³C NMR Spectra of (S)-3-tert-butyl 4-methyl 2,2-dimethyloxazolidine-3,4-dicarboxylate (1)



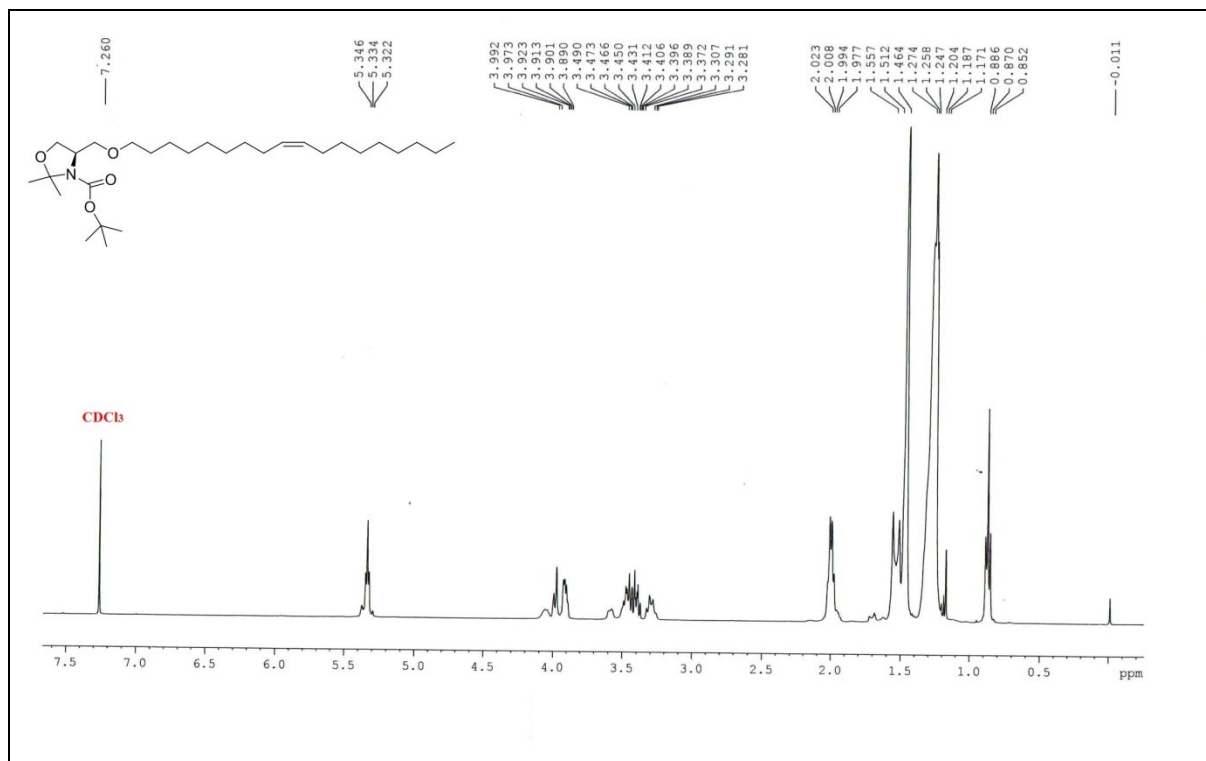
¹H NMR spectra of (R)-tert-butyl 4-(hydroxymethyl)-2,2-dimethyloxazolidine-3-carboxylate (2):



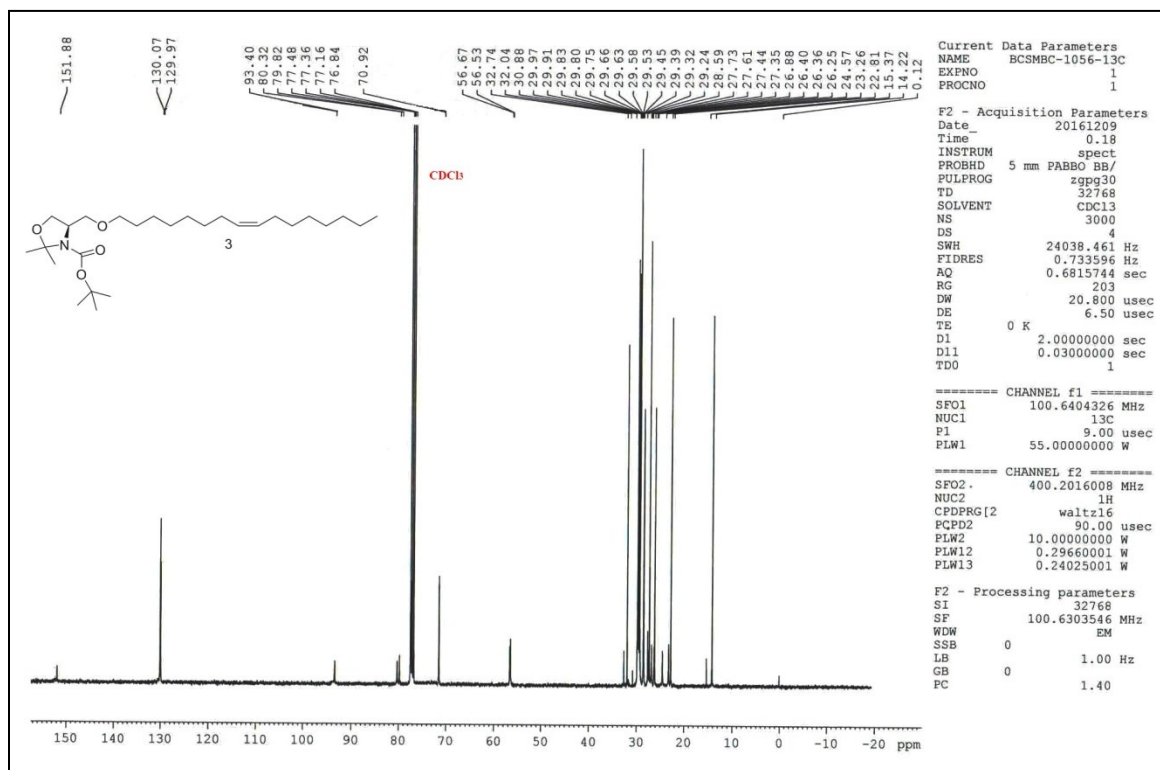
¹³C NMR Spectra of (R)-tert-butyl 4-(hydroxymethyl)-2,2-dimethyloxazolidine-3-carboxylate (2):



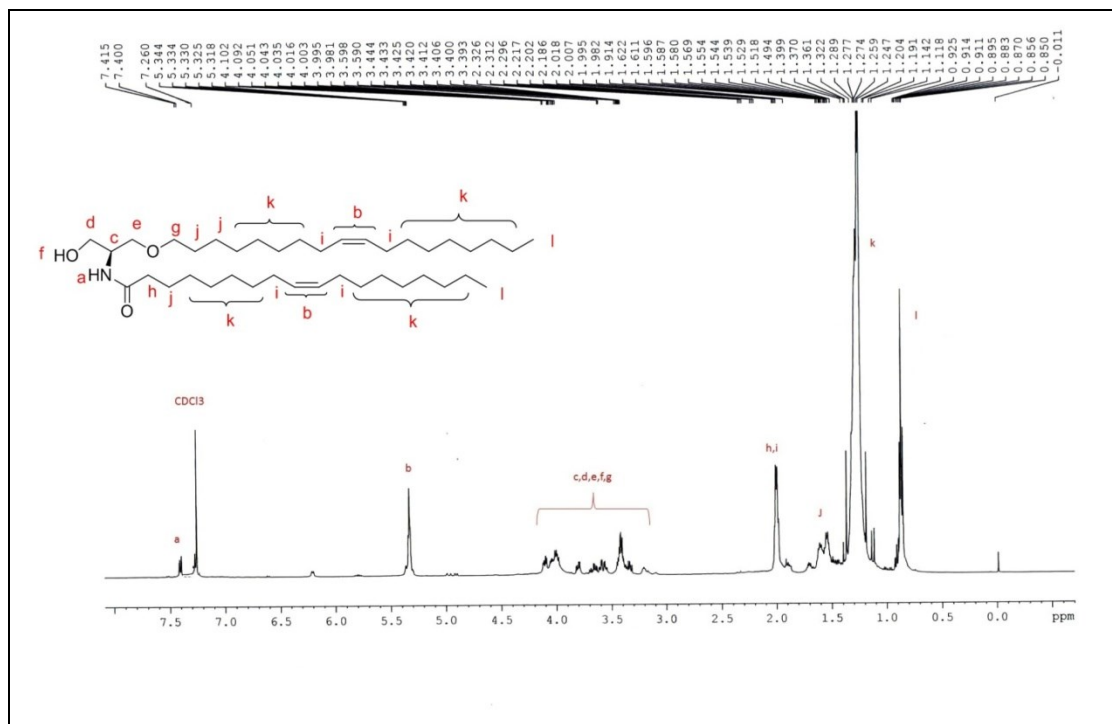
¹H NMR spectra of (R,Z)-tert-butyl 4-((hexadec-8-en-1-yloxy)methyl)-2,2-dimethloxazolidine-3-carboxylate (3):



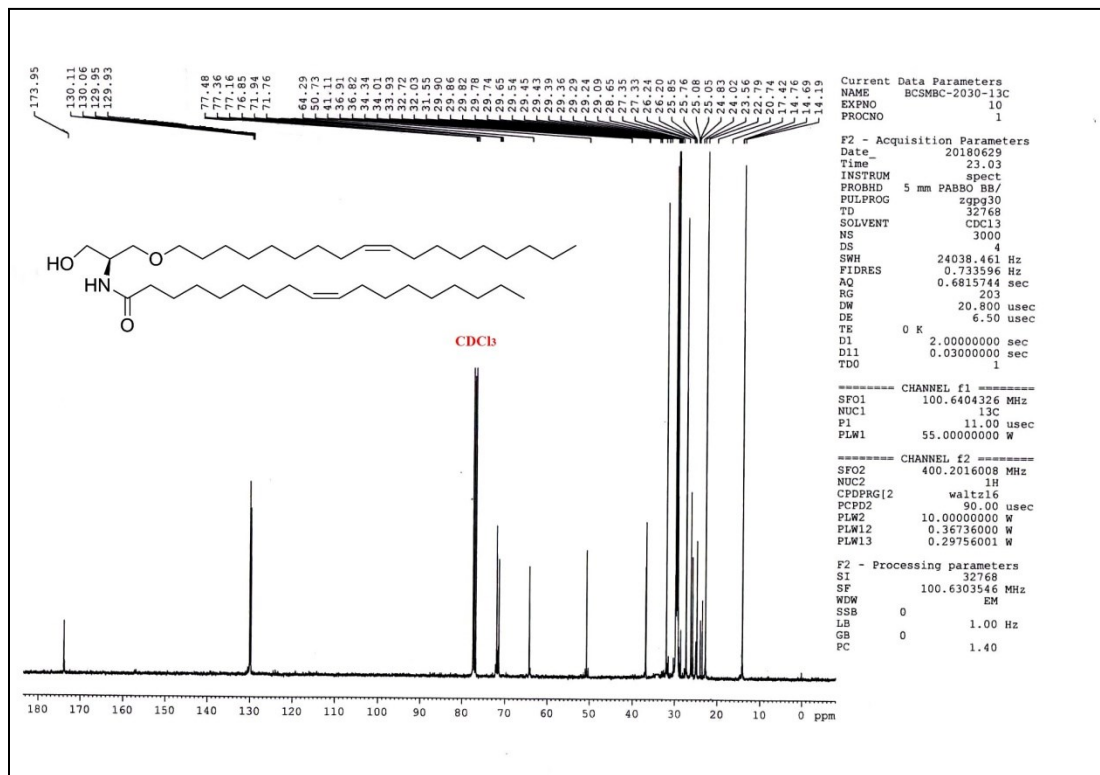
¹³C NMR Spectra of (R,Z)-tert-butyl 4-((hexadec-8-en-1-yloxy)methyl)-2,2-dimethyloxazolidine-3-carboxylate (3):



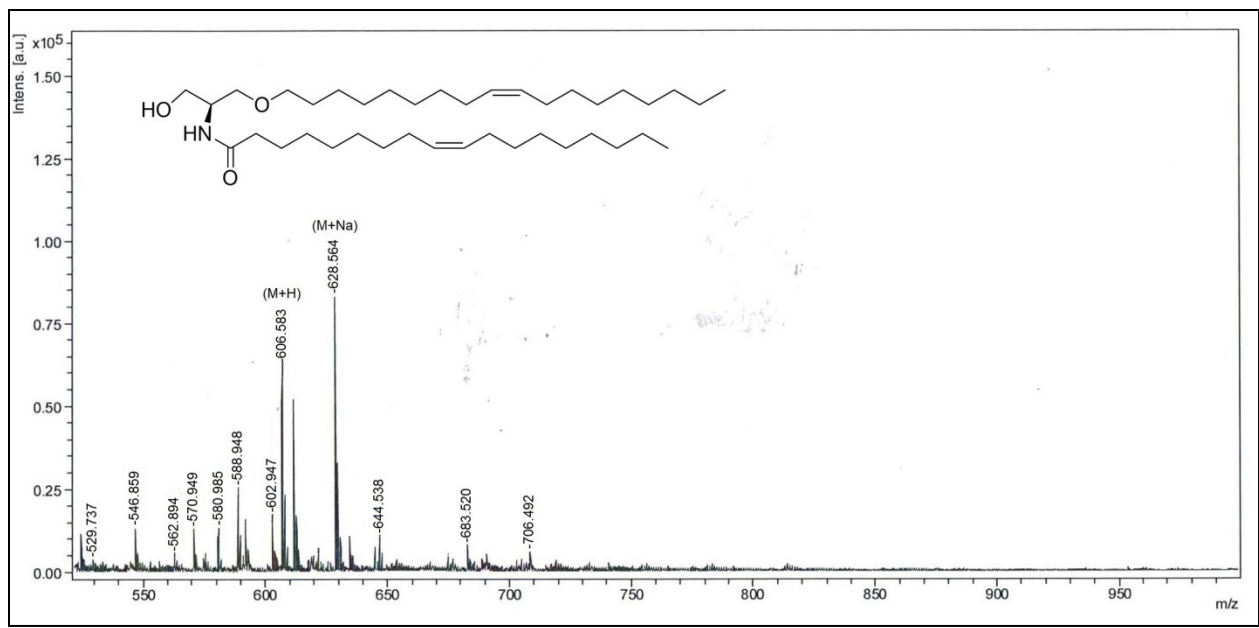
¹H NMR spectra of (S,Z)-2-amino-3-(octadec-9-en-1-yloxy)propan-1-ol



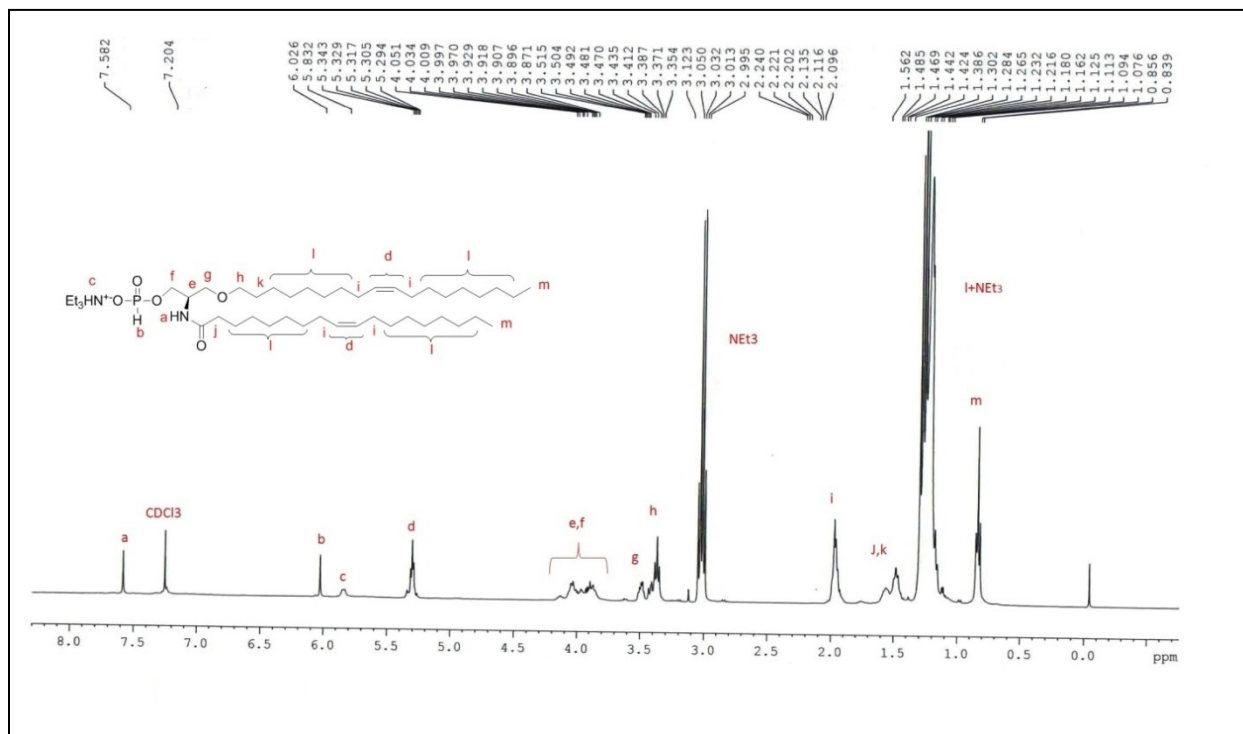
¹³C NMR Spectra of N-((S)-1-hydroxy-3-((Z)-octadec-9-en-1-yloxy)propan-2-yl)oleamide(4):



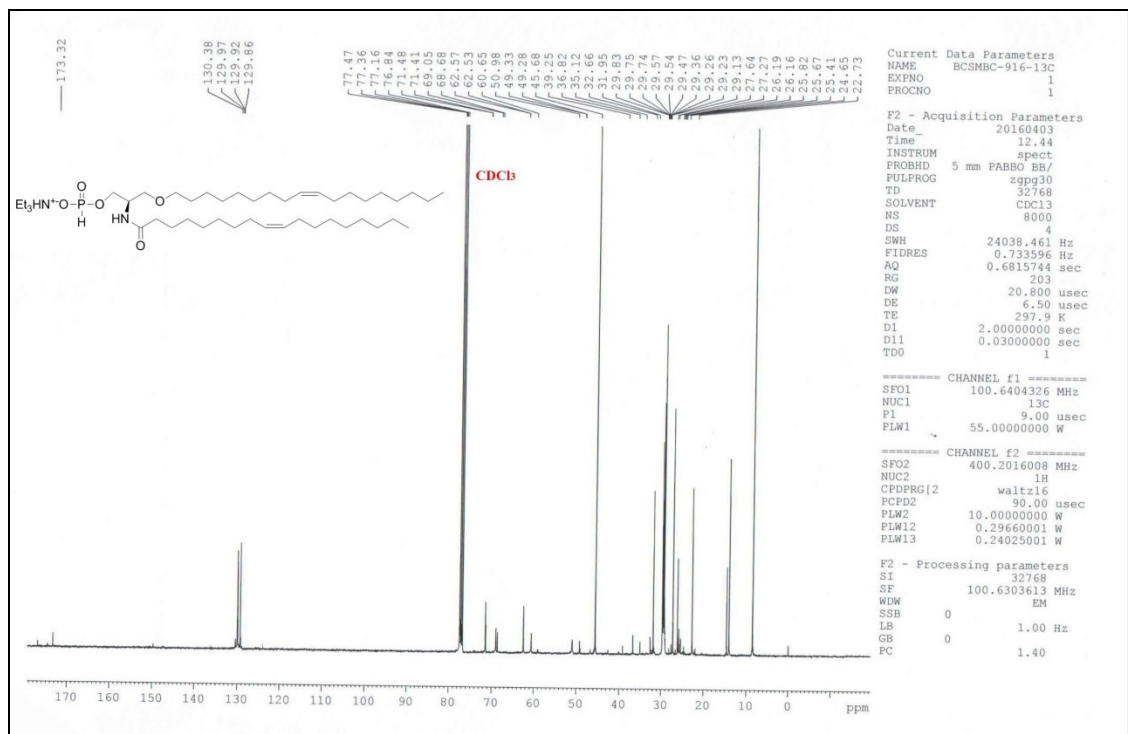
MALDI-MS of N-((S)-1-hydroxy-3-((Z)-octadec-9-en-1-yloxy)propan-2-yl)oleamide(4):



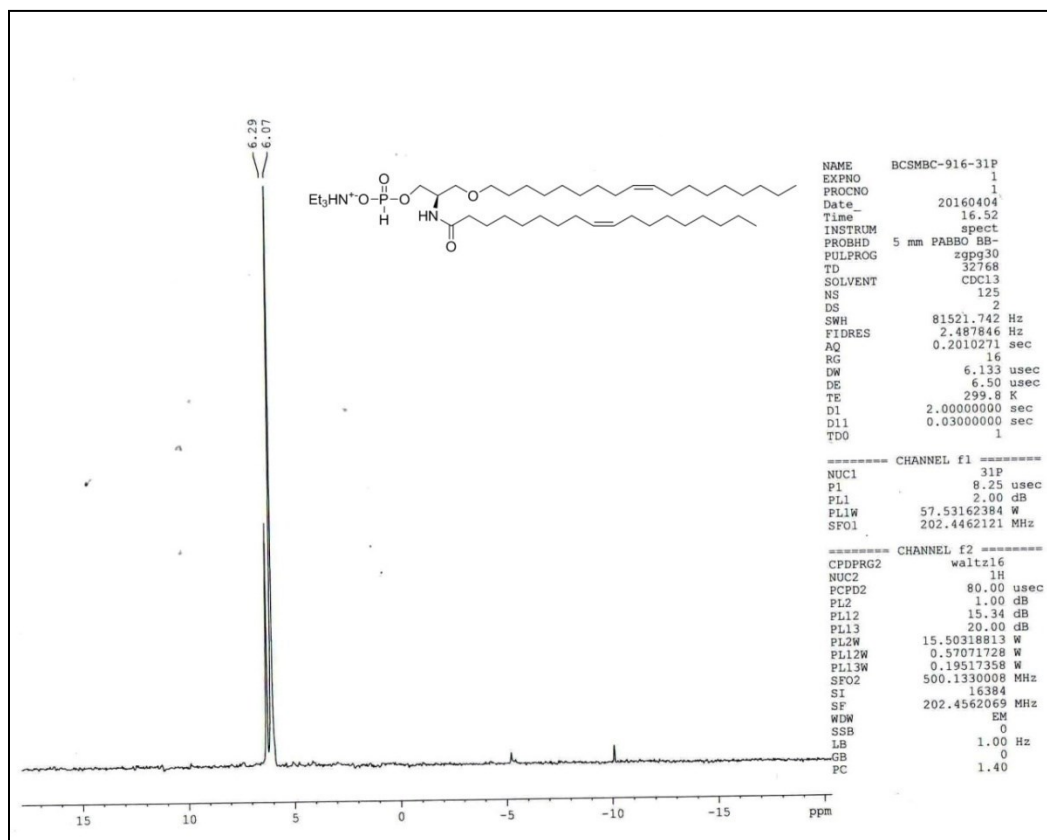
¹H NMR spectra of Triethylammonium (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl phosphate(5):



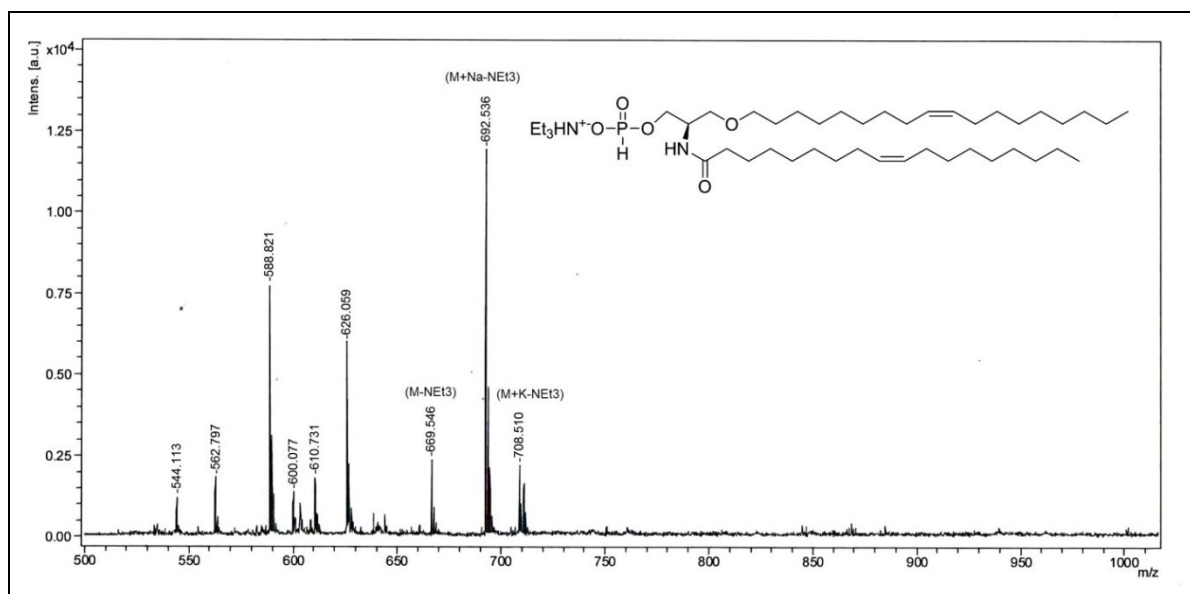
¹³C NMR Spectra of Triethylammonium (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl phosphate(5):



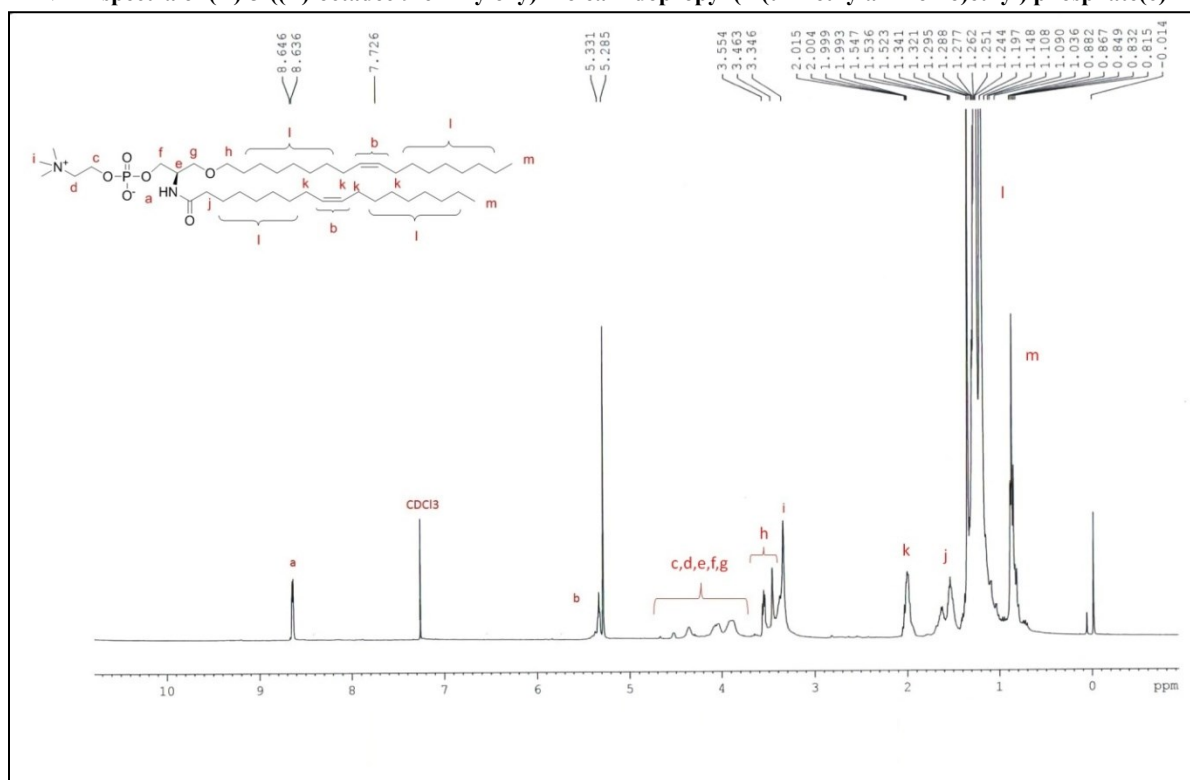
³¹P NMR Spectra of Triethylammonium (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl phosphate(5):



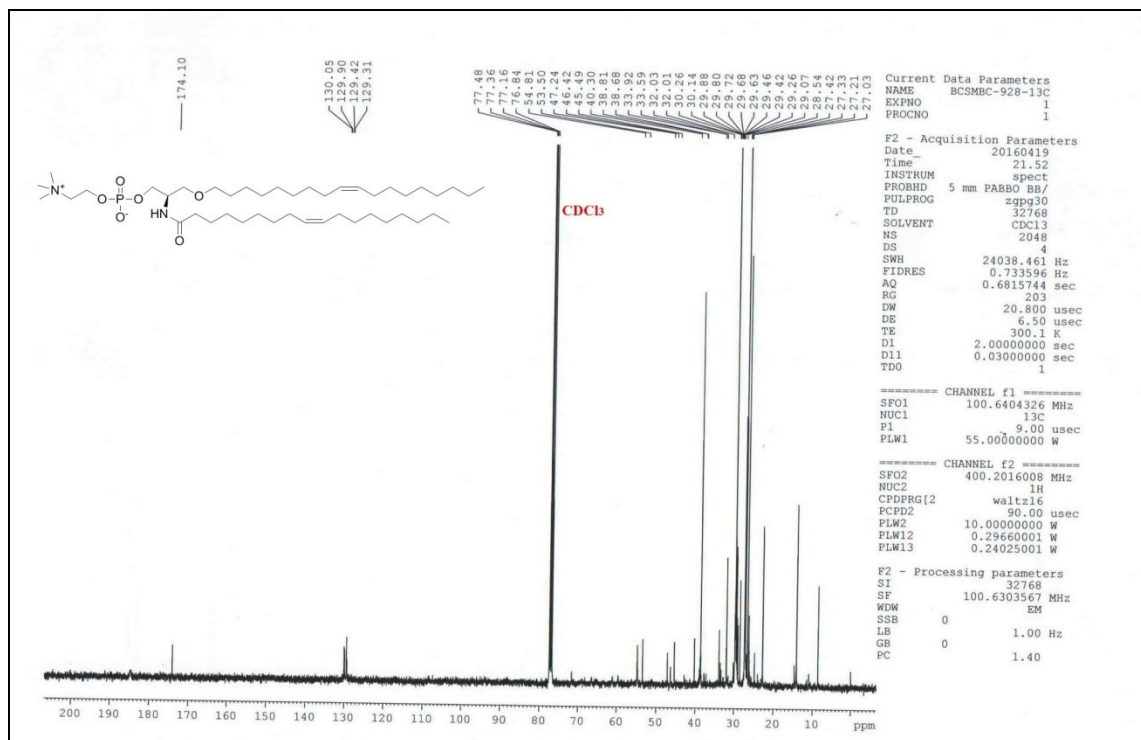
MALDI-MS of Triethylammonium (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl phosphate(5):



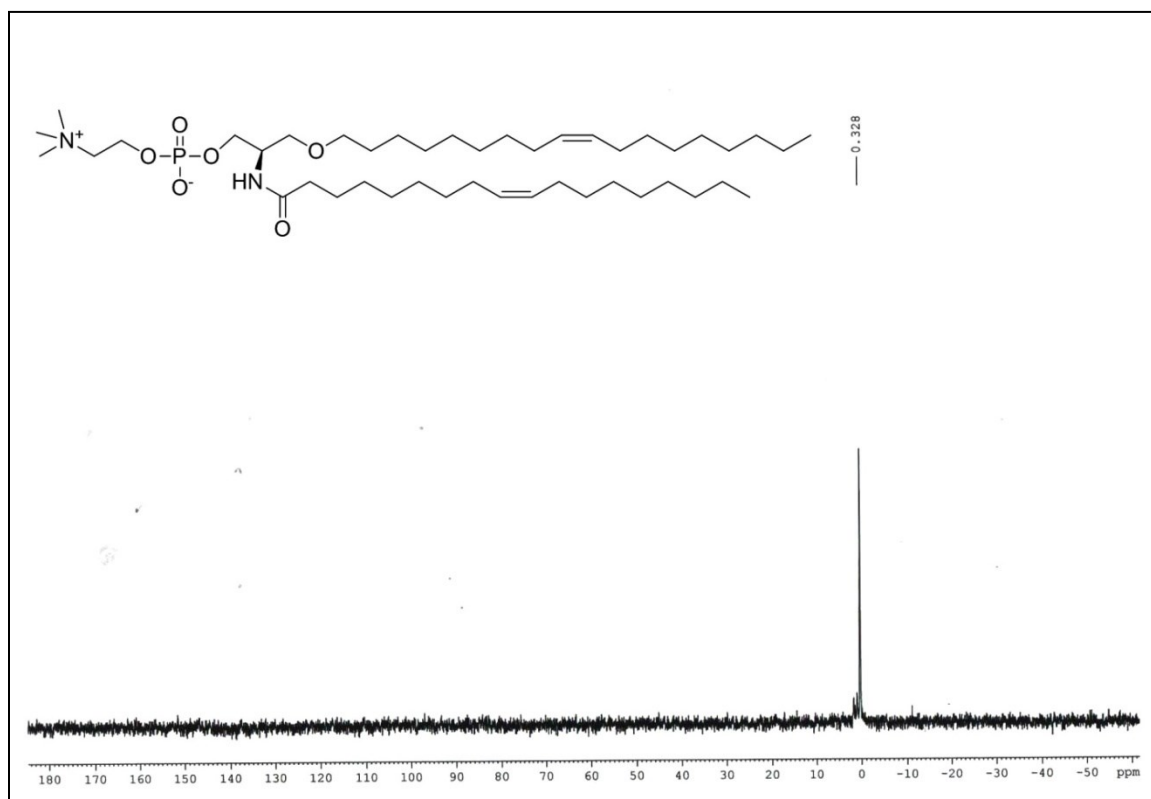
¹H NMR spectra of (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl (2-(trimethylammonio)ethyl) phosphate(6)



¹³C NMR Spectra of (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl (2-(trimethylammonio)ethyl) phosphate(6)



³¹P NMR Spectra of (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl (2-(trimethylammonio)ethyl) phosphate(6)



MALDI-MS of (R)-3-((Z)-octadec-9-en-1-yloxy)-2-oleamidopropyl (2-(trimethylammonio)ethyl) phosphate(6)

