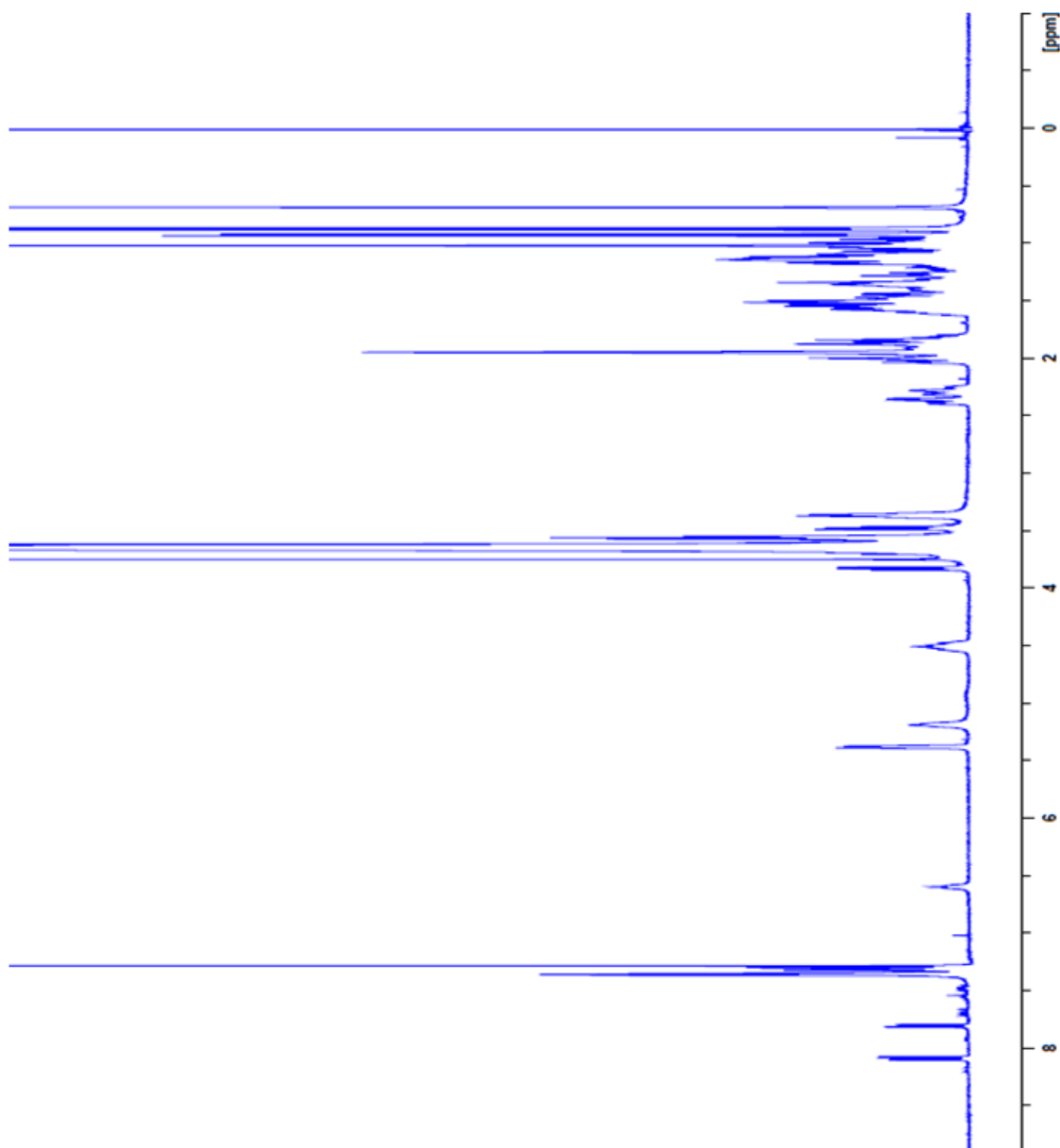
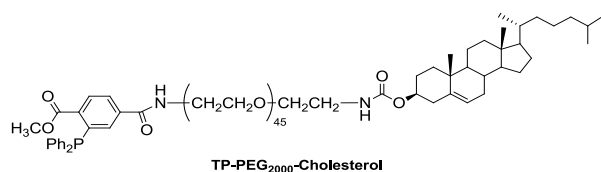


Liposome Surface Functionalization Based on Different Anchoring Lipids via Staudinger Ligation

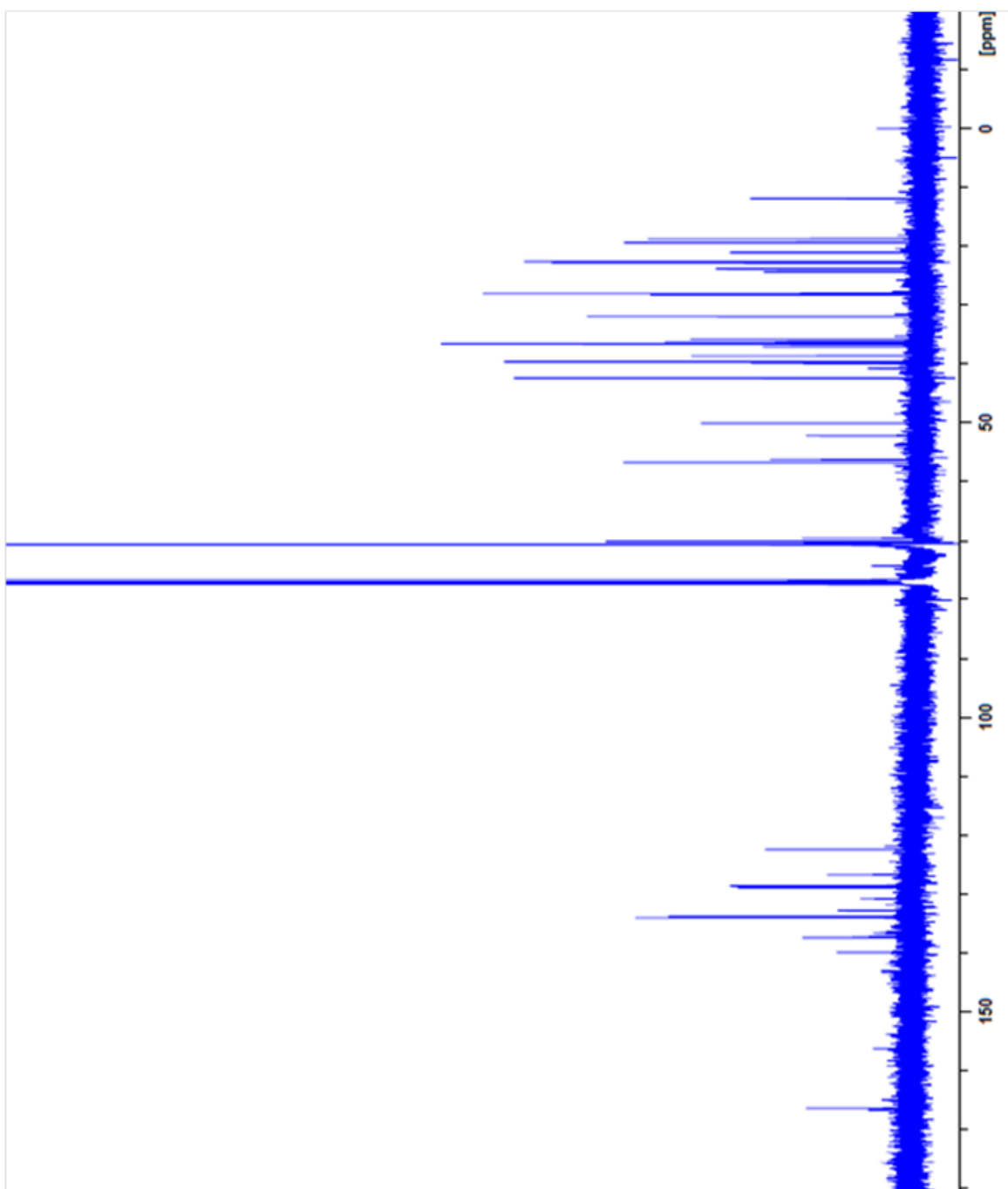
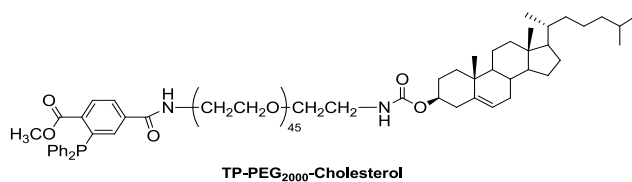
Pratima Vabbilisetty and Xue-Long Sun*

Supporting Information

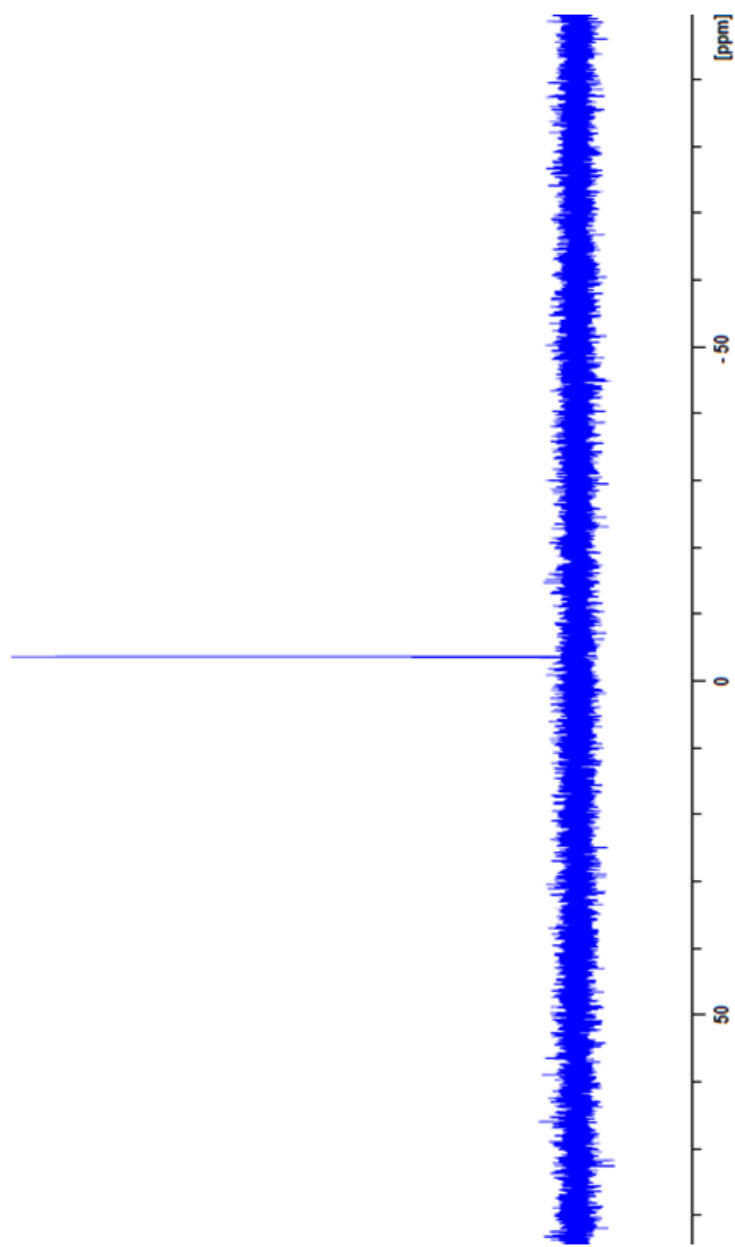
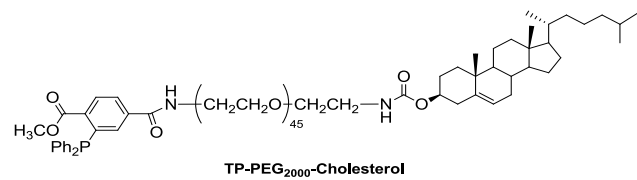
¹H NMR spectrum of Cholesterol-PEG₂₀₀₀ – TP conjugate (in CDCl₃)



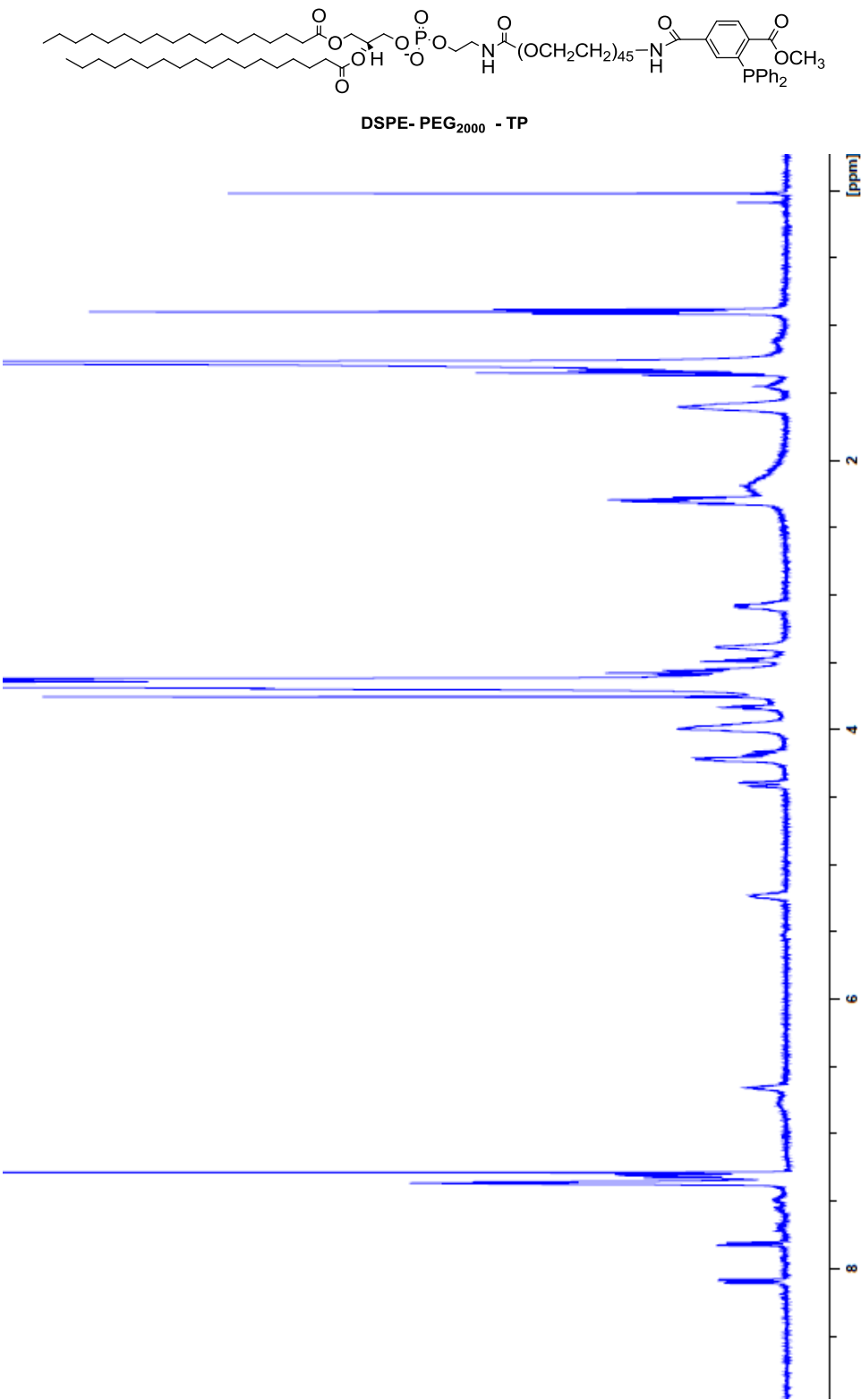
^{13}C NMR spectrum of Cholesterol-PEG₂₀₀₀ – TP conjugate (in CDCl₃)



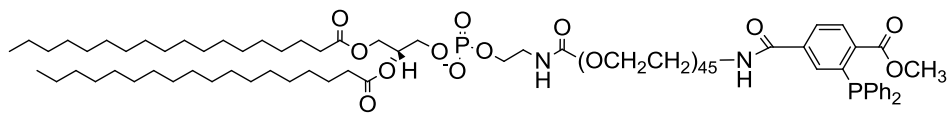
³¹P NMR spectrum of Cholesterol-PEG₂₀₀₀ – TP conjugate (in CDCl₃)



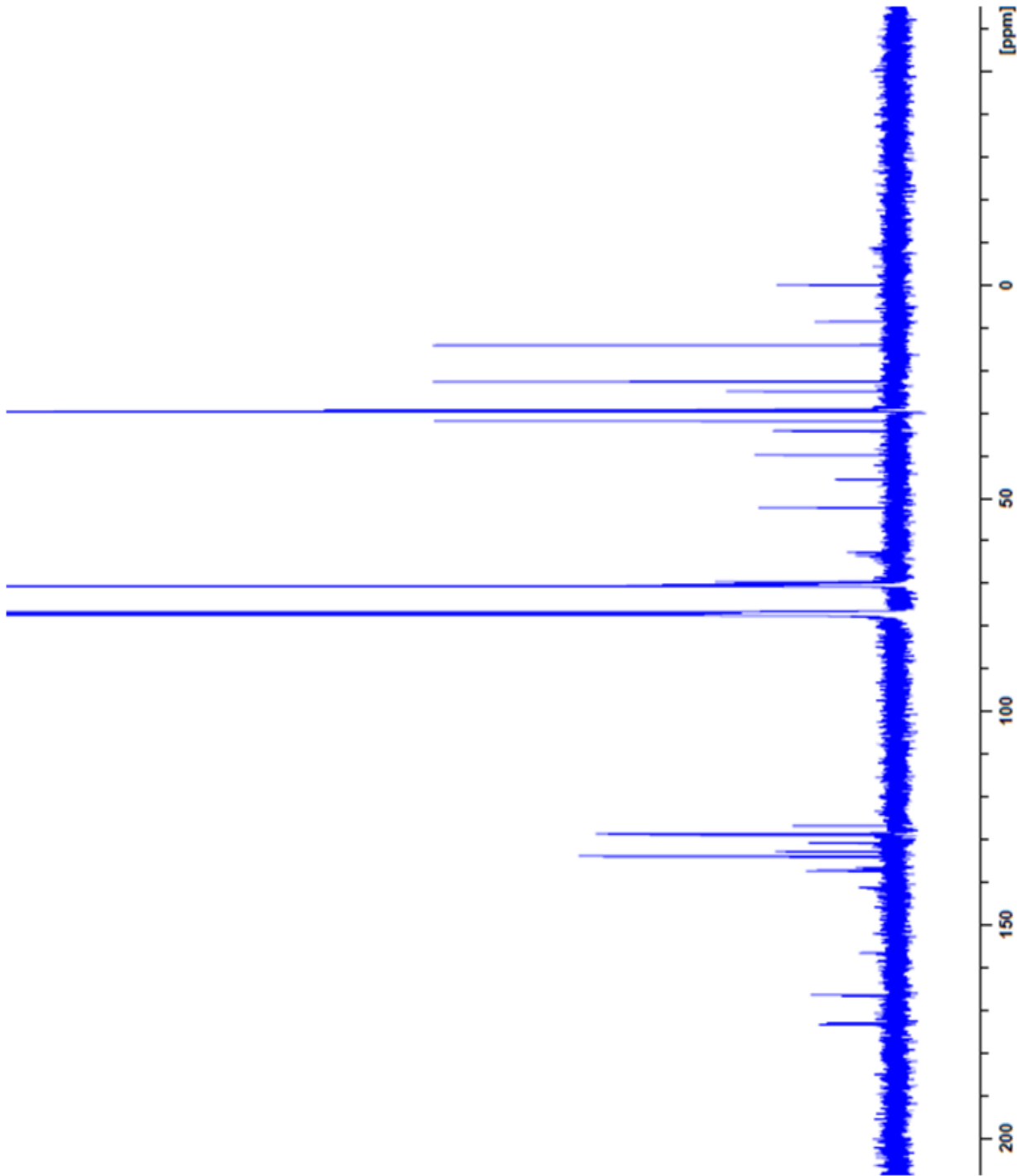
¹H NMR spectrum of DSPE-PEG₂₀₀₀ – TP conjugate (in CDCl₃)



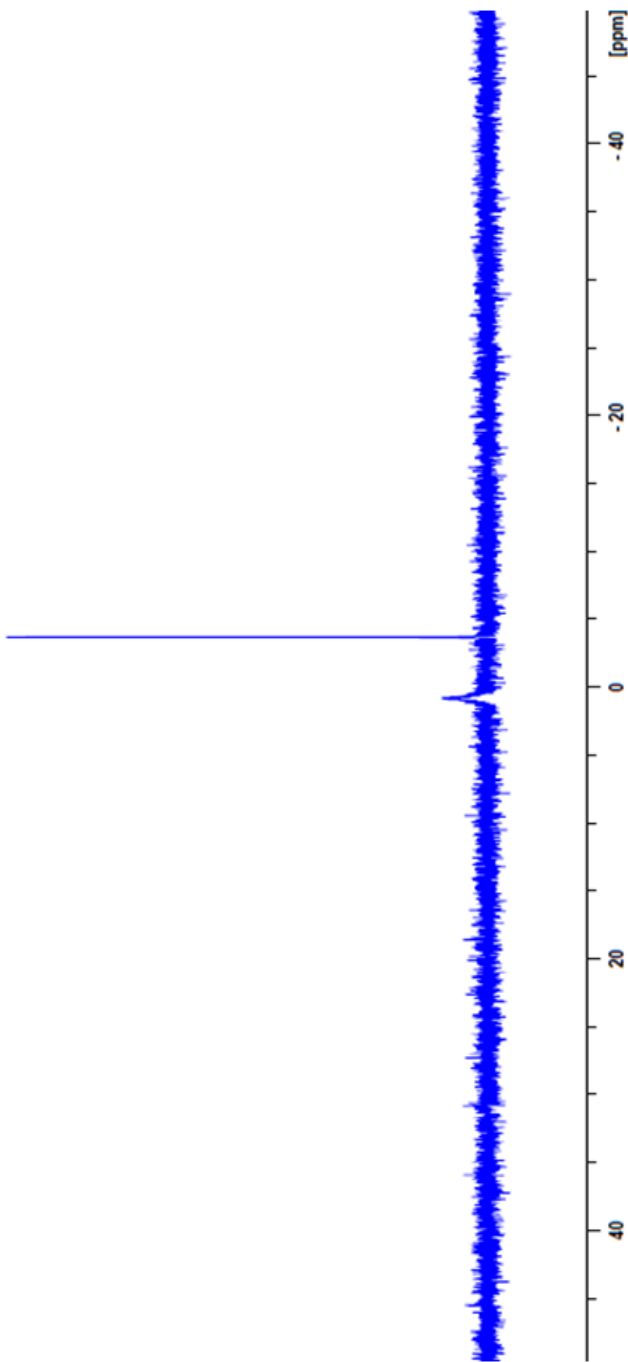
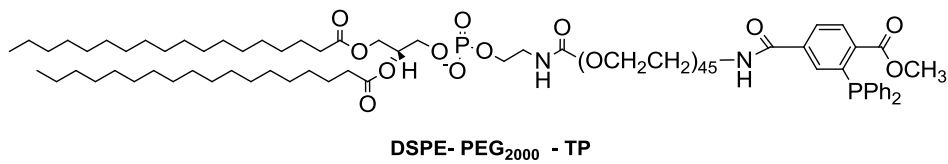
¹³C NMR spectrum of DSPE-PEG₂₀₀₀ – TP conjugate (in CDCl₃)



DSPE- PEG₂₀₀₀ - TP

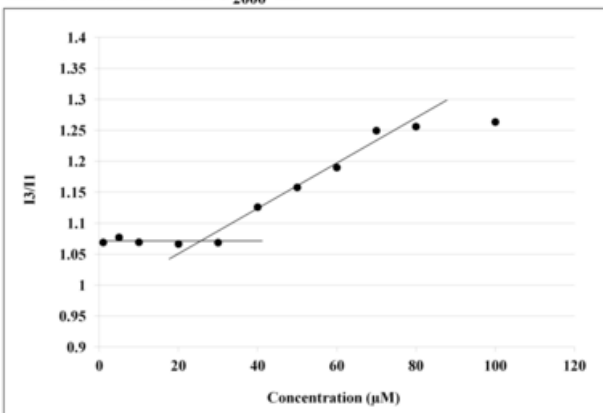


^{31}P NMR spectrum of DSPE-PEG₂₀₀₀ – TP conjugate (in CDCl₃)

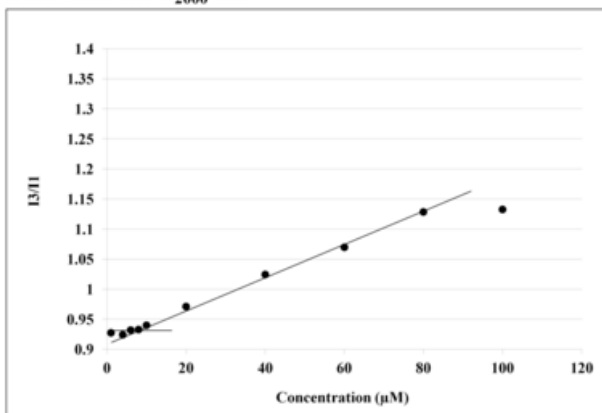


Measurement of critical micelle concentration (CMC) of anchor lipids before and after glyco-functionalization: Cholesterol – PEG₂₀₀₀ – TP (A) and DSPE-PEG₂₀₀₀-TP (B).

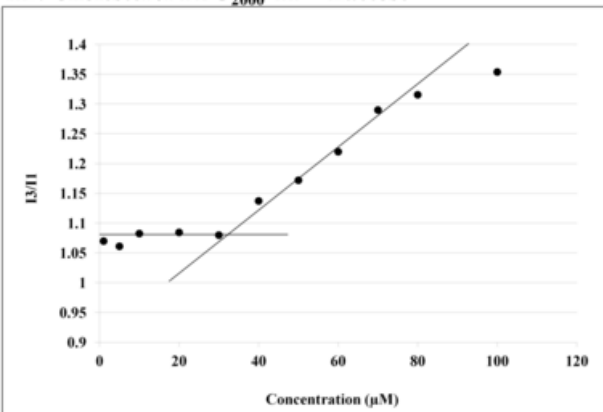
A1: Cholesterol-PEG₂₀₀₀-TP



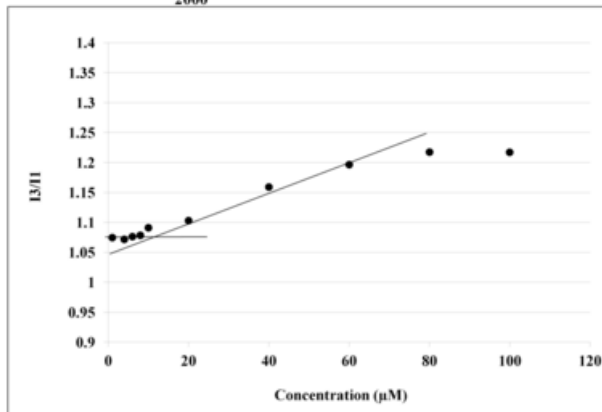
B1: DSPE-PEG₂₀₀₀-TP



A2: Cholesterol-PEG₂₀₀₀-TP + Lactose

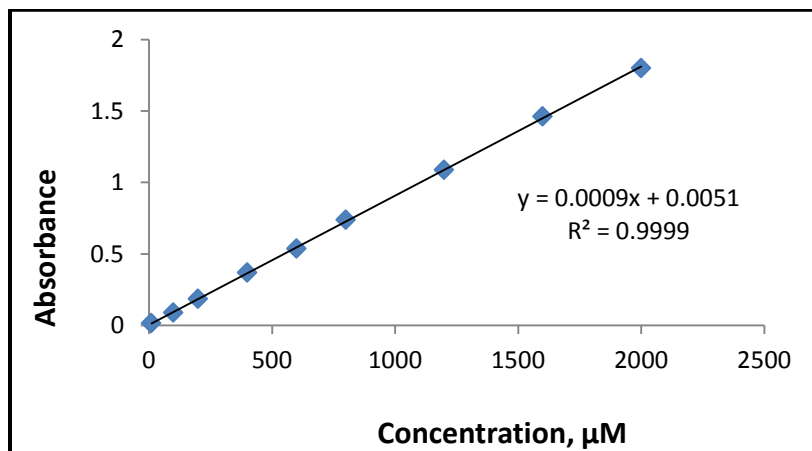


B2: DSPE-PEG₂₀₀₀-TP + Lactose



Determination of concentration of lactose on the liposome surface

Lactose assay calibration curve:



5, 6-Carboxyfluorescein dye leakage assay:

5, 6-CF calibration curve:

