

DOPC: DPPC: Chol

1:1:1

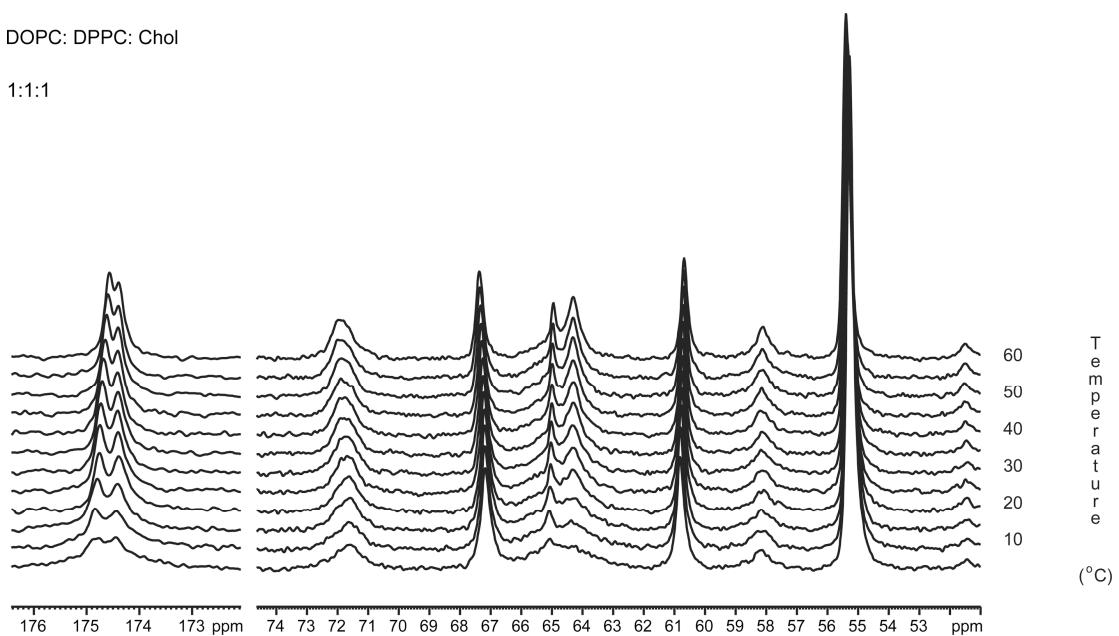


Fig. S1:- ^{13}C MAS NMR of DOPC/DPPC- d_{62} /Chol (1:1:1) of carbonyl (left) and glycerol/headgroup interfacial region at 5-60 $^{\circ}\text{C}$

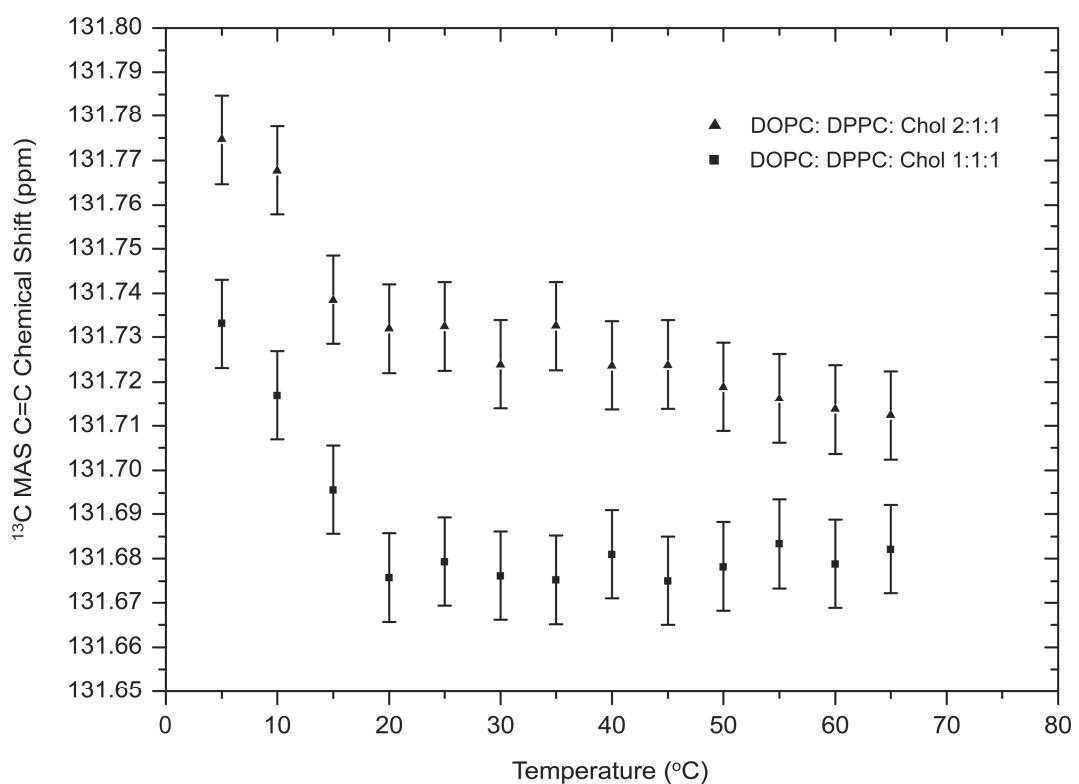


Fig. S2:- ^{13}C MAS NMR of DOPC/DPPC- d_{62} /Chol (1:1:1(bottom), 2:1:1 (top)) of alkene double bond of DOPC at 5-60 $^{\circ}\text{C}$

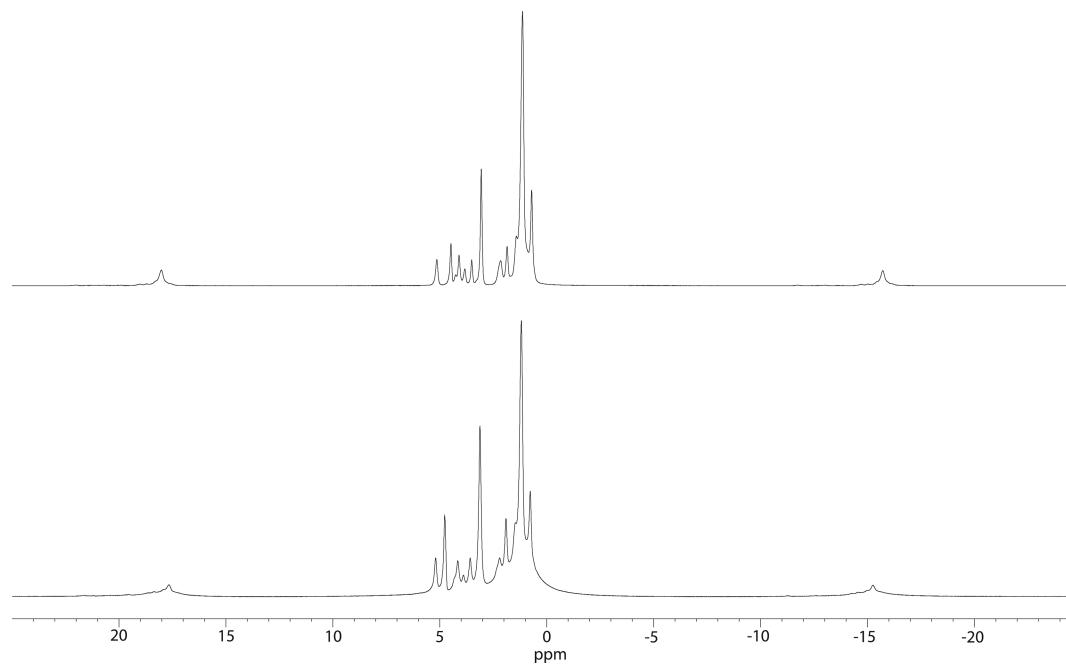


Fig. S3:- Normalised ¹H MAS NMR of DOPC/DPPC/Chol (1:1:1). Peak assignments are given in ref. 42. Top spectrum 47 °C, bottom spectrum 5 °C. Note broadening of methylene peak at 5 °C.

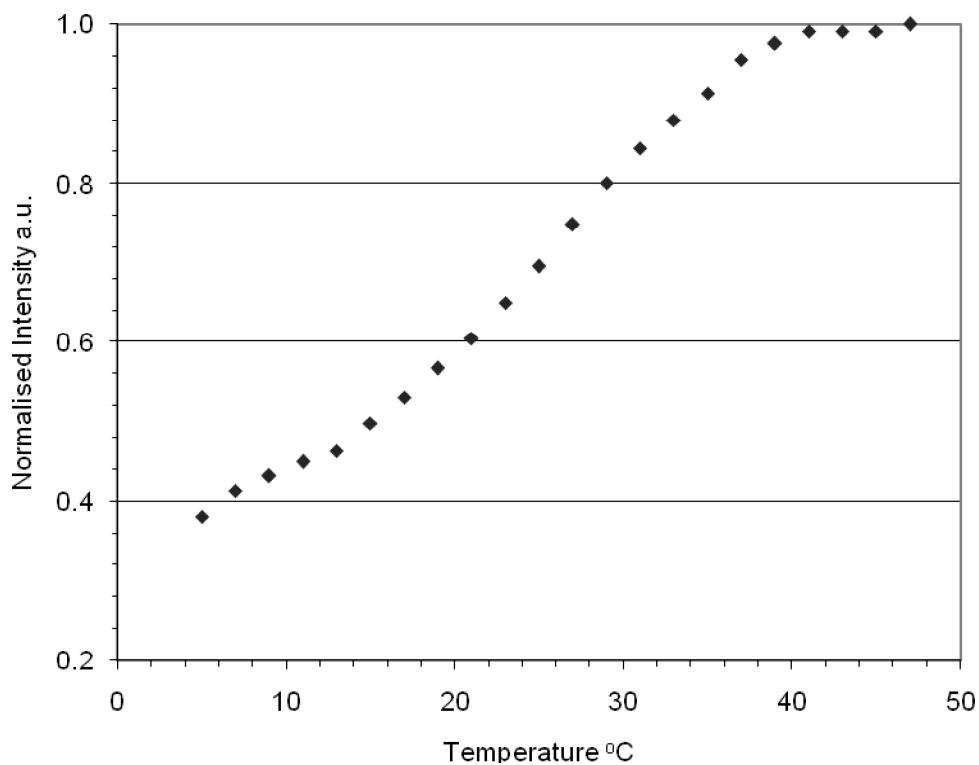


Fig. S4:- ¹H MAS NMR methylene peak intensity against temperature, 5-47 °C.

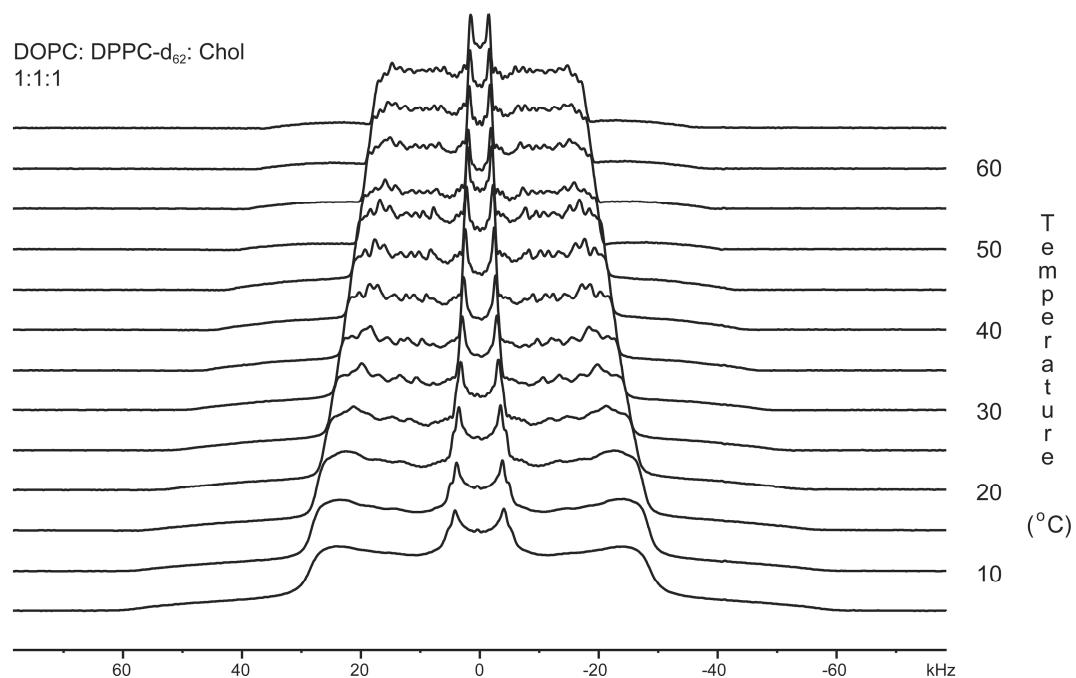


Fig. S5:- ²H NMR of DOPC/DPPC/Chol (1:1:1) as a function of temperature, 5-65 °C.

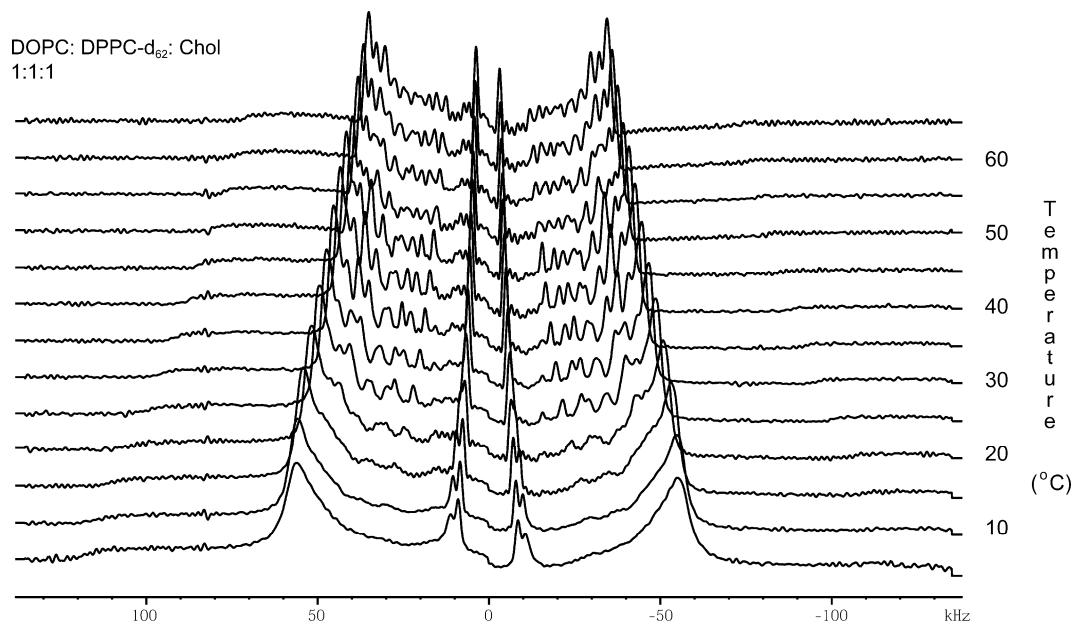


Fig. S6:- Depaked ²H NMR of DOPC/DPPC/Chol (1:1:1) as a function of temperature, 5-65 °C.

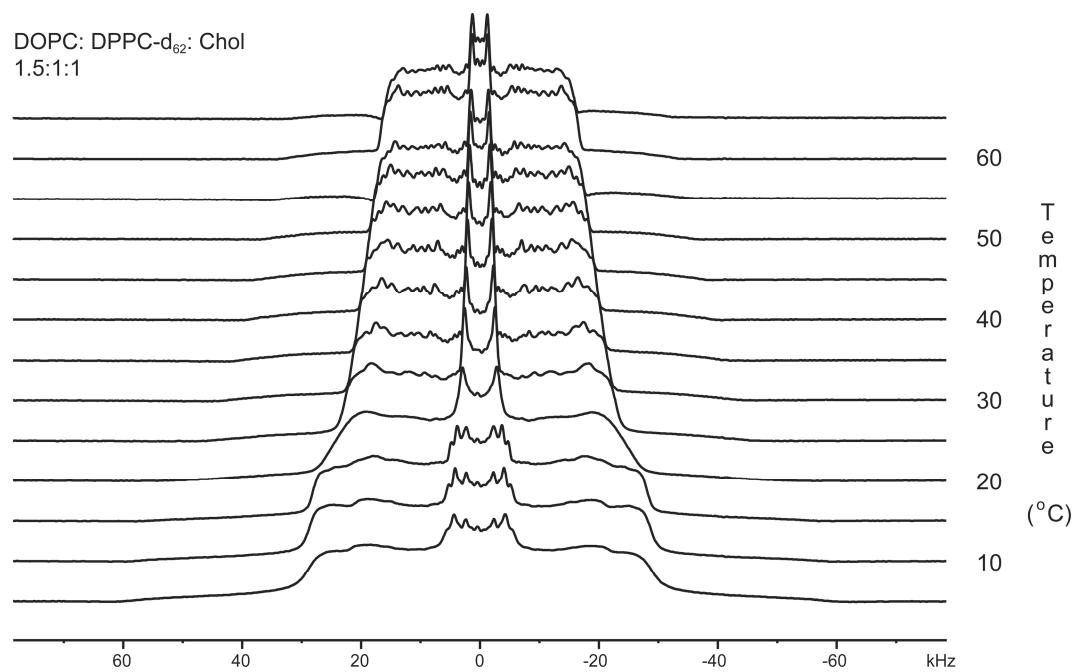


Fig. S7:- ²H NMR of DOPC/DPPC/Chol (1.5:1:1) as a function of temperature, 5-65 °C.

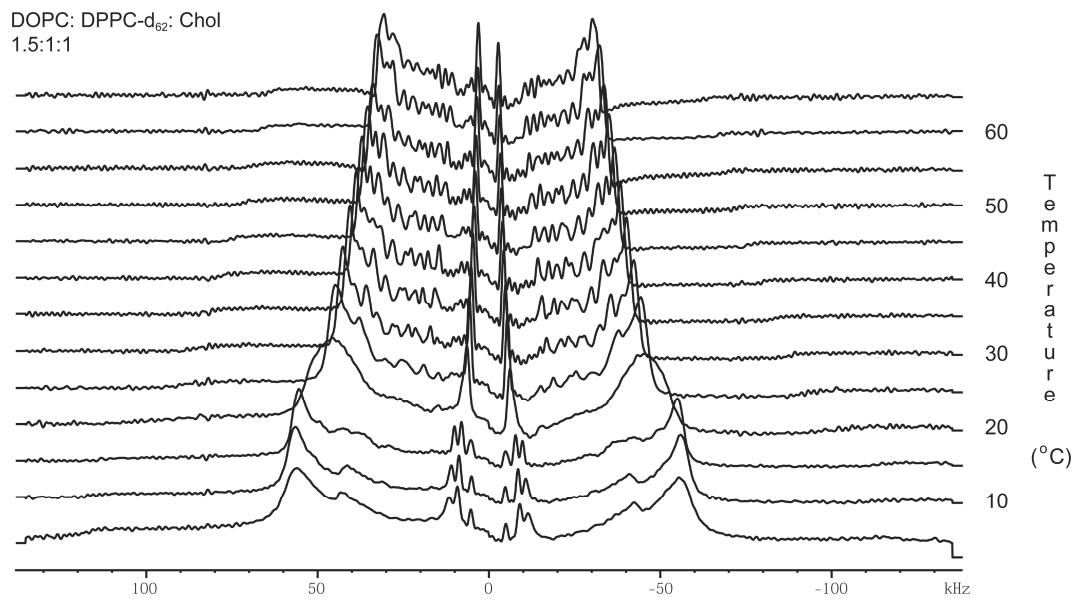


Fig. S8:- Depaked ²H NMR of DOPC/DPPC/Chol (1.5:1:1) as a function of temperature, 5-65 C.

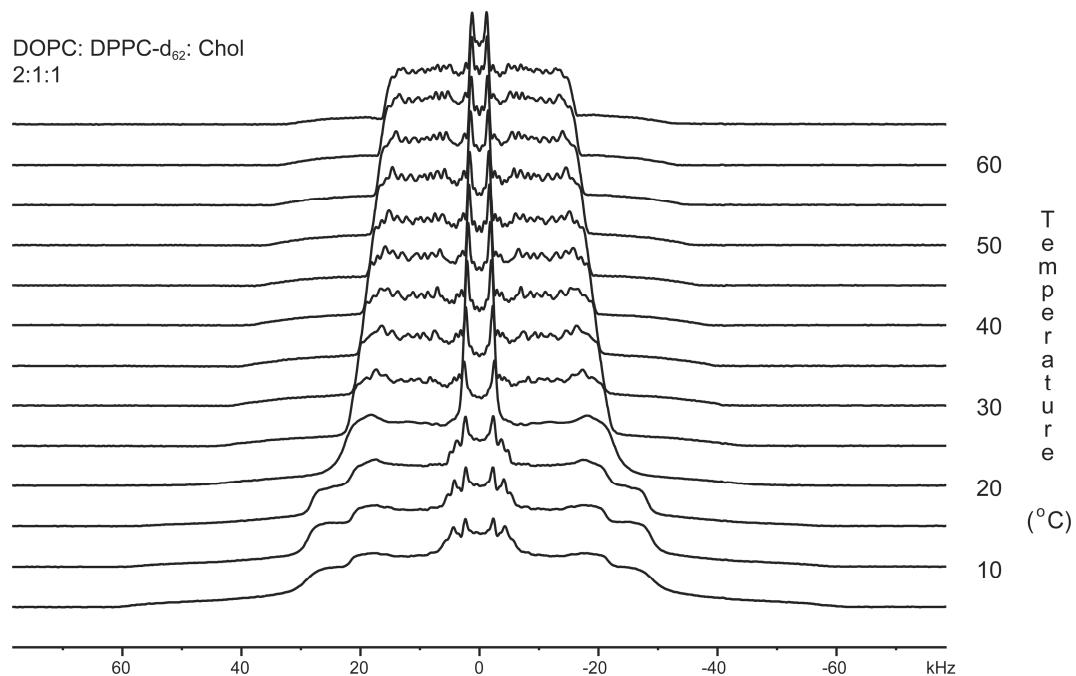


Fig. S9:- ²H NMR of DOPC/DPPC/Chol (2:1:1) as a function of temperature, 5-65 °C.

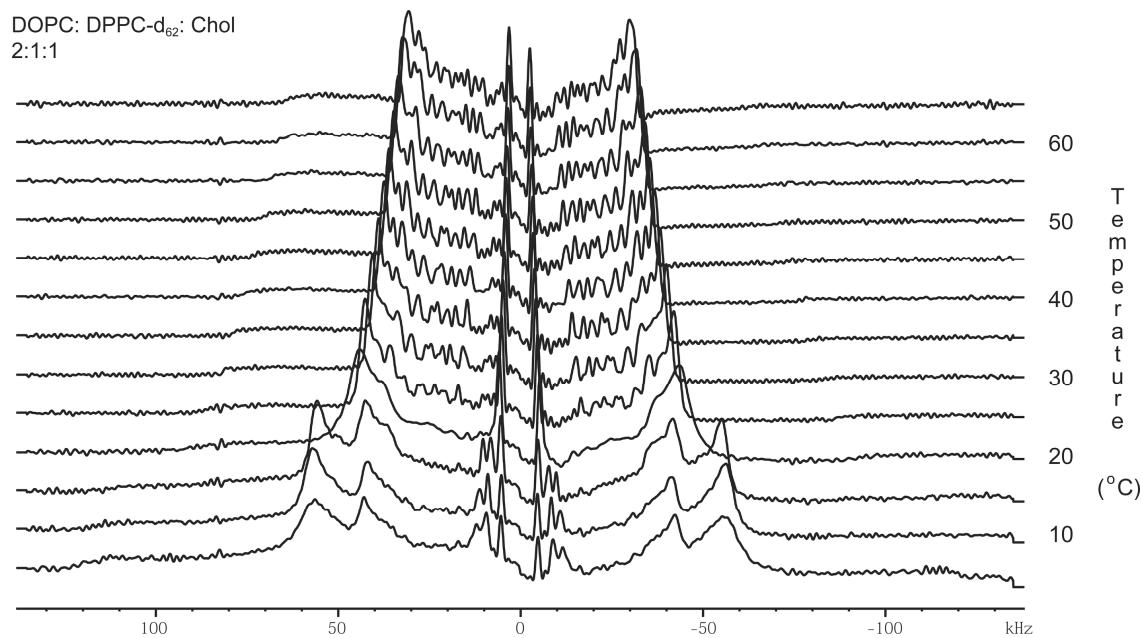


Fig. S10:- Depaked ²H NMR of DOPC/DPPC/Chol (2:1:1) as a function of temperature, 5-65 C.

DPPC: DPPC: Chol-d₁

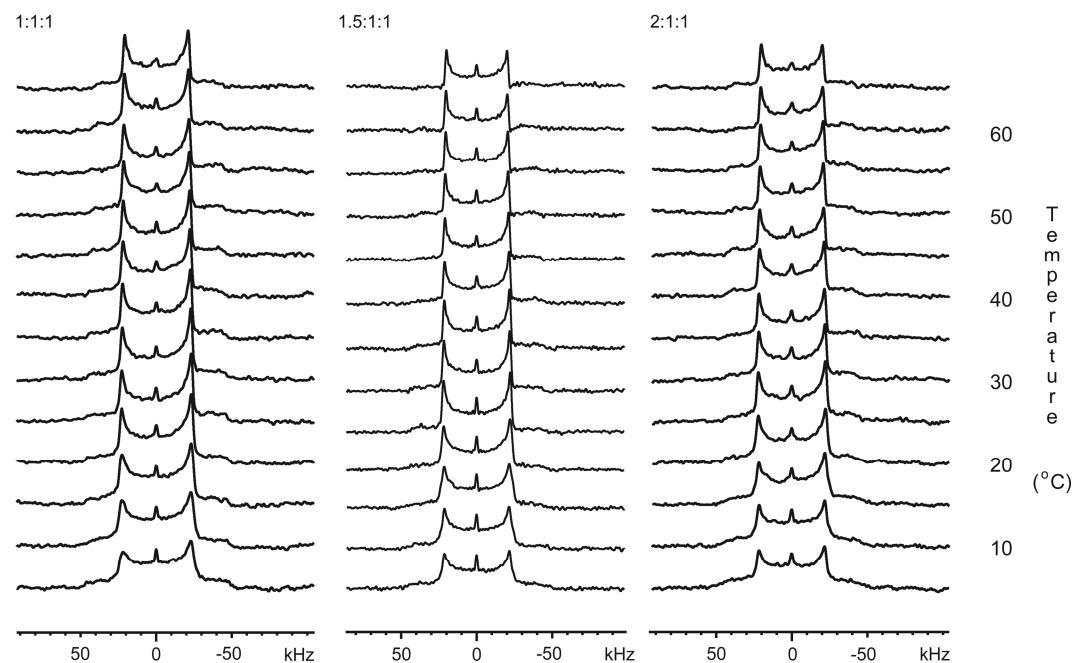


Fig. S11:- ²H NMR of Chol-d₁ in DOPC/DPPC/Chol-d₁ (1:1:1, 1.5:1:1, 2:1:1) as a function of temperature, 5-65°C.