

Differential Scanning Calorimetry of Bilayer Membrane Phase Transitions

Names _____

Origin Curve Fit Values:

DMPC:

Molar Mass _____ g/mol Stock Concentration _____ mg/mL

Volume _____ mL Concentration _____ M

ΔH_{cal} _____ \pm _____ units _____

ΔS _____ \pm _____ units _____

ΔH_{vH} _____ \pm _____ units _____

T_m _____ \pm _____ units _____

$\Delta T_{1/2}$ _____ \pm _____ units _____

C.U. _____ \pm _____ units _____

DPPC:

Molar Mass _____ g/mol Stock Concentration _____ mg/mL

Volume _____ mL Concentration _____ M

ΔH_{cal} _____ \pm _____

ΔS _____ \pm _____

ΔH_{vH} _____ \pm _____

T_m _____ \pm _____

$\Delta T_{1/2}$ _____ \pm _____

C.U. _____ \pm _____

DSPC:

Molar Mass _____ g/mol Stock Concentration _____ mg/mL

Volume _____ mL Concentration _____ M

ΔH_{cal} _____ \pm _____

ΔS _____ \pm _____

ΔH_{vH} _____ \pm _____

T_m _____ \pm _____

$\Delta T_{1/2}$ _____ \pm _____

C.U. _____ \pm _____

Excel Values:

Lipid _____

ΔH_{cal} _____

ΔS _____

C_p max _____ units _____

T_m _____

ΔH_{vH} _____

C.U. _____

Include copies of your Origin and Excel plots.