

Table S1: Parameters of the fit (Fig. 3), are (to a first approximation) statistically the same using the 95% confidence bounds. However, there are differences in the goodness of fit parameters between the compositions containing POPC:POPE:TG (20 measurements) and POPC:DOG:TG (21 measurements) when compared with POPC:CHOL:POPE:TG (12 measurements) and POPC:CHOL:TG (15 measurements). The fitting results are summarized.

Lipid Compositions	Coefficients (with 95% confidence bound)		Goodness of fit			
	a	b	SSE	R ²	Reduced R ²	RMSE
POPC:CHOL:POPE:TG	2.23 (1.89, 2.56)	5.61 (3.81, 7.40)	0.58	0.93	0.92	0.24
POPC:CHOL:TG	2.14 (1.78, 2.45)	6.23 (4.36, 8.11)	0.87	0.93	0.92	0.26
POPC:POPE:TG	1.90 (1.45, 2.36)	4.55 (2.58, 6.53)	2.27	0.76	0.75	0.36
POPC:DOG:TG	1.87 (1.40, 2.34)	4.89 (2.82, 6.97)	2.64	0.76	0.75	0.37
All data	1.99 (1.82, 2.16)	5.18 (4.39, 5.97)	5.04	0.88	0.87	0.28