

Phase Transition Temperatures for Glycerophospholipids

Phosphatidylcholine		Phosphatidylglycerol (Sodium Salt)		
Product	T _m (°C)	Product	T _m (°C)	
12:0 PC (DLPC)	-2	12:0 PG (DLPG)	-3	
13:0 PC	14	14:0 PG (DMPG)	23	
14:0 PC (DMPC)	24	16:0 PG (DPPG)	41	
15:0 PC	35	18:0 PG (DSPG)	55	
16:0 PC (DPPC)	41	18:1 PG (DOPG)	-18	
17:0 PC	50	16:0-18:1 PG (POPG)	-2	
18:0 PC (DSPC)	55	Phosphatidylserine (Sodium Salt)		
19:0 PC	62	14:0 PS (DMPS)	35	
20:0 PC	66	16:0 PS (DPPS)	54	
21:0 PC	71	18:0 PS (DSPS)	68	
22:0 PC	75	18:1 PS (DOPS)	-11	
23:0 PC	79.5	16:0-18:1 PS (POPS)	14	
24:0 PC	80.3	Phosphatidic Acid (Sodium Salt)		
16:1 PC	-36	12:0 PA (DLPA)	31	
18:1c9 PC (DOPC)	-17	14:0 PA (DMPA)	52	
18:1t9 PC	12	16:0 PA (DPPA)	65	
18:1c6 PC	1	18:0 PA (DSPA)	75	
22:1c13 PC	13	18:1 PA (DOPA)	-4	
18:2 PC	-57	16:0-18:1 PA (POPA)	28	
18:3 PC	-60	Cardiolipin		
		14:0 CL	47	
		16:0 CL	62.2	
20:4 PC	-69	Phosphatidylethanolamine		
14:0-16:0 PC	35		T _m (°C)	T _h (°C)
14:0-18:0 PC	40	12:0 PE (DLPE)	29	
16:0-14:0 PC	27	14:0 PE (DMPE)	50	
16:0-18:0 PC	49	16:0 PE (DPPE)	63	118
16:0-18:1 PC (POPC)	-2	18:0 PE(DSPE)	74	100
16:0-22:6 PC	-27	20:0 PE	83	96
18:0-14:0 PC	30	18:1c9 PE (DOPE)	-16	10
18:0-16:0 PC	44	18:1t9 PE	38	64
18:0-18:1 PC	6	18:2 PE	-40	-15
18:1-16:0 PC	-9	18:3 PE		-30
18:1-18:0 PC	9	16:0-18:1 PE (POPE)	25	71