

PHASE TRANSITION TEMPERATURES FOR GLYCEROPHOSPHOLIPIDS

Product	T _m °C	Product	T _m °C	
PHOSPHATIDYLCHOLINE		PHOSPHATIDYLGLYCEROL (SODIUM SALT)		
12:0 PC	-1	12:0 PG	-3	
13:0 PC	14	14:0 PG	23	
14:0 PC	23	16:0 PG	41	
15:0 PC	33	18:0 PG	55	
16:0 PC	41	18:1 PG	-18	
17:0 PC	48	16:0-18:1 PG	-2	
18:0 PC	55	PHOSPHATIDYLSERINE (SODIUM SALT)		
19:0 PC	60	14:0 PS	35	
20:0 PC	66	16:0 PS	54	
21:0 PC	72	18:0 PS	68	
22:0 PC	75	18:1 PS	-11	
23:0 PC	79	16:0-18:1 PS	14	
24:0 PC	80	PHOSPHATIDIC ACID (SODIUM SALT)		
16:1 PC	-36	12:0 PA	31	
18:1c9 PC	-20	14:0 PA	50	
18:1t9 PC	12	16:0 PA	67	
18:1c6 PC	1	18:0 PA	75	
18:2 PC	-53	18:1 PA	-8	
18:3 PC	-60	16:0-18:1 PA	28	
20:4 PC	-70	PHOSPHATIDYLETHANOLAMINE		
14:0-16:0 PC	35		T _m °C	T _h °C
14:0-18:0 PC	40	12:0 PE	29	
16:0-14:0 PC	27	14:0 PE	50	
16:0-18:0 PC	49	16:0 PE	63	118
16:0-18:1 PC	-2	18:0 PE	74	100
16:0-22:6 PC	-27	20:0 PE	83	96
18:0-14:0 PC	30	18:1c9 PE	-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	25	71

Thermotropic Phase Transitions of Pure Lipids in Model Membranes and Their Modifications by Membrane Proteins, Dr. John R. Silvius, **Lipid-Protein Interactions**, John Wiley & Sons, Inc., New York, 1982, Reprinted with permission from John Wiley & Sons, Inc. Lipid Thermotropic Phase Transition Data base (LIPIDAT) - NIST Standard Reference Database 34