

18:0 PC-d83

1,2-distearoyl-d70-sn-glycero-3-phosphocholine-1,1,2,2-d4-N,N,N-trimethyl-d9

860368P-10mg

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Molecular Weight	873.657
Chemical Formula	C ₄₄ H ₅ NO ₈ PD ₈₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5896PIA018
Avanti Lot Number	860368P-10MG-A-018

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 869.657 – 875.657 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+H] ⁺ = 872.5 amu

Approved By: *Anderson Thomas*

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