

DSPE-PEG8 Maleimide

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[maleimide(octaethylene glycol)] (sodium salt)

880249P-10mg

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Molecular Weight	1316.63
Chemical Formula	C ₆₅ H ₁₁₉ N ₃ NaO ₂₀ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	7314PIA010
Lot Number	880249P-10MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (85:15 Chloroform: Methanol)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative to slight positive 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
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	99.1% (AUC)
Mass Spectroscopy	[M-Na+NH ₄ +2H] ²⁺ = 656.62 ± 1 amu [M-Na+NH ₄ +H] ⁺ = 1312.63 ± 1 amu	[M-Na+NH ₄ +2H] ²⁺ = 656.43 amu [M-Na+NH ₄ +H] ⁺ = 1311.86

Approved by:



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