

## DSPE-PEG(2000) Amine

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[amino(polyethylene glycol)-2000] (ammonium salt)

880128C-25mg

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<b>Molecular Weight</b>	2790.521 (average MW due to polydispersity of PEG)
<b>Chemical Formula</b>	C <sub>132</sub> H <sub>266</sub> N <sub>3</sub> O <sub>54</sub> P (representative due to polydispersity of PEG)
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6290CJA076
<b>Lot Number</b>	880128C-25MG-A-076

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear solution with no foreign matter	Pass
TLC (8:2:0.1 Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% 18:0 (AUC)	100% 18:0 (AUC)
HPLC-ELSD	NLT 99% (AUC)	99.7% (AUC)
Molecular Weight (Mw) by TOF-MS	Run and report	2857.964
Polydispersity Index (PDI) by TOF-MS	Run and report	1.004

Approved by:



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