

## DSPE-PEG(2000) Carboxylic Acid

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

880135P-25mg

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<b>Molecular Weight</b>	2780.38 (average MW due to polydispersity of PEG)
<b>Chemical Formula</b>	C <sub>131</sub> H <sub>257</sub> NNaO <sub>55</sub> P (average formula due to polydispersity of PEG)
<b>Physical State</b>	Powder
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6296PJA010
<b>Lot Number</b>	880135P-25MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC (80:20:2 Chloroform:Methanol:Ammonium Hydroxide)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All Pass
HPLC-ELSD	NLT 99% (AUC)	99.8% (AUC)
FAME (GC/FID)	NLT 99% 18:0 (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure

Approved by:

