

**DOPE PEG(2000) Amine**

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

**880234**
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<b>Molecular Weight</b>	2786.49 (average MW due to polydispersity of PEG)
<b>Chemical Formula</b>	C <sub>132</sub> H <sub>262</sub> N <sub>3</sub> O <sub>54</sub> P
<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>	6693CIB010
<b>Avanti Lot Number</b>	880234C-10MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear, colorless solution which contains no foreign matter	Pass
TLC (80:20:2 Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
FAME (GC/FID)	NLT 99% 18:1 (AUC)	100% (AUC)
Average Molecular Weight (MW) by TOF-MS	Run & Report	2834.236
Polydispersity Index by TOF-MS	Run & Report	1.003

Approved By:



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