

DOPE PEG(2000) Amine

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

880234C-10mg

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Molecular Weight 2786.49 (average MW due to polydispersity of PEG)
Chemical Formula C₁₃₂H₂₆₂N₃O₅₄P
Physical State Chloroform
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6693CIC010
Avanti Lot Number 880234C-10MG-C-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: 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: *Melissa Liles*

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