

**DOPE-PEG(2000) Carboxylic acid**

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

**880235C-10mg**
**Page 1 of 1**

<b>Molecular Weight</b>	2776.38 (average MW due to polydispersity of PEG)
<b>Chemical Formula</b>	C <sub>131</sub> H <sub>253</sub> NNaO <sub>55</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>	6694CIB010
<b>Avanti Lot Number</b>	880235C-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 spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
HPLC-ELSD	NLT 99% (AUC)	99% (AUC)
FAME (GC/FID)	NLT 99% (AUC)	99.6% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Average Molecular Weight (MW) by TOF-MS	Run & Report	2854.085
Polydispersity Index by TOF-MS	Run & Report	1.005



Approved By:

For Research Use Only. Not For Human Use.