

DSPE-PEG2K-triGalNAc

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

880157P-1mg
Page 1 of 1

Molecular Weight	4022.82 (average MW due to polydispersity of PEG)
Chemical Formula	C ₁₈₃ H ₃₅₅ N ₁₀ O ₈₁ P (representative due to polydispersity of PEG)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	7107PGB012
Avanti Lot Number	880157P-1MG-B-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (65:35:8 Chloroform: Methanol: Water)	Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative to faint positive Water dip: one major spot	Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 97% (AUC)	99.8% (AUC)
Average Molecular Weight (Mw) by LC-TOF-MS	Run and Report	4037.577
Polydispersity Index (PDI) by LC-TOF-MS	Run and Report	1.002

Approved By:



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