

ALC-0315

6-((2-hexyldecanoyl)oxy)-N-(6-((2-hexyldecanoyl)oxy)hexyl)-N-(4-hydroxybutyl)hexan-1-amium

890900O-50mg

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Molecular Weight	766.29
Chemical Formula	C ₄₈ H ₉₆ NO ₅
Physical State	Oil
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	7049OKA013
Avanti Lot Number	890900O-50MG-A-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Neat Oil: Colorless to pale yellow oil with no foreign matter	Pass
TLC (90:10:0.5 Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative to faint positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Impurities by UHPLC-CAD	NLT 95% ALC-0315 NMT 5% sum of all impurities	95% ALC-0315 5% sum of all impurities
Mass Spectroscopy	[M+H] ⁺ = 767.3 ± 1 amu	[M+H] ⁺ = 766.8 amu

 Approved By: *Anderson Thomas*

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