

ALC-0315
6-((2-hexyldecanoyl)oxy)-N-(6-((2-hexyldecanoyl)oxy)hexyl)-N-(4-hydroxybutyl)hexan-1-aminium
890900O-25mg
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Molecular Weight	766.3
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	7049OJA011
Avanti Lot Number	890900O-25MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Neat Oil: clear, viscous liquid 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 Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
UHPLC-CAD Assay	90-110% recovery	107% recovery
UHPLC-CAD Impurities	NLT 95.0% ALC-0315 NMT 5.0% sum of all impurities	99.1% ALC-0315 0.9% sum of all impurities
Mass Spectroscopy	[M+H] ⁺ = 767.3 ± 1 amu	[M+H] ⁺ = 767.3 amu



Approved By:

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