

ALC-0315
6-((2-hexyldecanoyl)oxy)-N-(6-((2-hexyldecanoyl)oxy)hexyl)-N-(4-hydroxybutyl)hexan-1-aminium
890900O-500mg
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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	7049OPA010
Avanti Lot Number	890900O-500MG-A-010

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	NLT 99%	99% recovery
Mass Spectroscopy	[M+H] ⁺ = 767.3 ± 1 amu	[M+H] ⁺ = 766.6 amu

 Approved By: *Andriana Thomas*

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