

**ALC-0315**
**6-((2-hexyldecanoyl)oxy)-N-(6-((2-hexyldecanoyl)oxy)hexyl)-N-(4-hydroxybutyl)hexan-1-amium**
**890900O-500mg**
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<b>Molecular Weight</b>	766.3
<b>Chemical Formula</b>	C <sub>48</sub> H <sub>96</sub> NO <sub>5</sub>
<b>Physical State</b>	Oil
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	7049OPA011
<b>Avanti Lot Number</b>	890900O-500MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Neat Oil:</b> 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] <sup>+</sup> = 767.3 ± 1 amu	[M+H] <sup>+</sup> = 767.3 amu



Approved By:

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