

**ALC-0315**

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

**890900O-100mg**

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<b>Molecular Weight</b>	767.30
<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>	7049OLA013
<b>Avanti Lot Number</b>	890900O-100MG-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] <sup>+</sup> = 767.3 ± 1 amu	[M+H] <sup>+</sup> = 766.8 amu

Approved By:



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