

**ALC-0159**

2-[(polyethylene glycol)-2000]-N,N-ditetradecylacetamide

**880155P-25mg**

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<b>Physical State</b>	Powder
<b>Chemical Formula</b>	$C_{30}H_{60}NO(C_2H_4O)_nOCH_3$ , n=45-50
<b>Molecular Weight</b>	~2400-2600
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>MLOT Number</b>	7050PJB011
<b>Avanti Lot Number</b>	880155P-25MG-B-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> white solid which contains no foreign matter	Pass
Impurities by UHPLC-CAD	NLT 95.0% ALC0159 NMT 5.0% sum of all impurities	96.4% ALC0159 3.6% total impurities
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Molecular Weight (Mw) by TOF-MS	Run and Report	2435.820
Polydispersity Index (PDI) by TOF-MS	Run and Report	1.011
TLC (90:10:1 chloroform: methanol: ammonium hydroxide)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot	All Pass

Approved By:



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