

ALC-0315

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

890900O-25mg

Page 1 of 1

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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 | 7049OJB011 |
| Avanti Lot Number | 890900O-25MG-B-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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