

Kdo2-Lipid A (KLA)

Di[3-deoxy-D-manno-octulosonyl]-lipid A (ammonium salt)

699500P-1mg

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| | |
|--------------------------|-------------------------------|
| Molecular Weight | 2306.840 |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 5085PGD021 |
| Avanti Lot Number | 699500P-1MG-D-021 |

| ANALYSIS | SPECIFICATION | RESULTS |
|--|---|--|
| Physical examination | Powder: White solid which contains no foreign material | Pass |
| TLC (65:35:8 Chloroform:Methanol:Water) | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot | All Pass |
| HPLC-ELSD | NLT 95% hexa-acyl Kdo ₂ Lipid A (AUC) | 100% (AUC) |
| Phosphorus NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | [M-4NH ₄ +H] ³⁻ = 745.28 ± 1 amu [M-4NH ₄ +2H] ²⁻ = 1118.2 ± 1.5 amu | [M-4NH ₄ +H] ³⁻ = 745.7 amu [M-4NH ₄ +2H] ²⁻ = 1118.9 amu |

Approved by: *Anderson Thomas*

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