

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	5085PGC021
Avanti Lot Number	699500P-1MG-C-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:



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