

Kdo2-Lipid A (KLA)

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

699500P-1mg

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Molecular Weight	2306.840 (based on representative structure; may not reflect exact MW of compound)
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5085PGB021
Avanti Lot Number	699500P-1MG-B-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	Pass
Mass Spectroscopy	$[M-4NH_4+2H]^{2-} = 1118.2 \pm 1.5$ amu	$[M-4NH_4+2H]^{2-} = 1117.6$ amu

Approved by:

