

Kdo2-Lipid A (KLA)

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

699500P-1mg
Page 1 of 1

Molecular Weight	2306.840
Chemical Formula	C ₁₁₀ H ₂₁₄ N ₆ O ₃₉ P ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5085PGB022
Avanti Lot Number	699500P-1MG-B-022

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign material	Pass
TLC (65:35:8 Chloroform: Methanol: Water)	Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 95% AUC	95.2% (AUC)
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⁻ = 744.78 amu [M-4NH ₄ +2H] ²⁻ = 1117.66 amu

Approved by:



For Research Use Only. Not For Human Use.