

3A-MPLA

Monophosphoryl Tri-acyl Lipid A (Synthetic)

699851P-1mg

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Molecular Weight	1100.4
Chemical Formula	C ₅₄ H ₁₀₆ N ₃ O ₁₇ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5088PGB013
Avanti Lot Number	699851P-1MG-B-013

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-NH ₄] ⁻ = 1082.4 ± 1 amu	[M-NH ₄] ⁻ = 1082.3 amu

Approved by:

