

4A-MPLA

Monophosphoryl Tetra-acyl Lipid A

699854P-1mg

Page 1 of 1

Molecular Weight	1326.76
Chemical Formula	C ₆₈ H ₁₃₂ N ₃ O ₁₉ P
Physical State	Powder
Storage	-20 °C
Expiration Date	One year from date of receipt
M Lot Number	5090PGA015
Avanti Lot Number	699854P-1MG-A-015

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC (65:25:4 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 99% (AUC)	99.6% (AUC)
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] ⁻ = 1308.76 ± 1 amu	[M-NH ₄] ⁻ = 1308.4 amu

Approved by:

