

MPLA (PHAD[®])Monophosphoryl Lipid A (Synthetic) (PHAD[®])**699800P-5mg****Page 1 of 1**

Molecular Weight 1763.469
Chemical Formula C₉₆H₁₈₄N₃O₂₂P
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5086PHD033
Avanti Lot Number 699800P-5MG-D-033

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (75:25:3 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
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Mass Spectroscopy	[M-NH ₄] ⁺ = 1745.5 ± 1 amu	[M-NH ₄] ⁺ = 1745.8 amu

Approved By:



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