

MPLA (PHAD[®])

 Monophosphoryl Lipid A (Synthetic) (PHAD[®])

699800P-CONF

Page 1 of 1

Molecular Weight	1763.469
Chemical Formula	C ₉₆ H ₁₈₄ N ₃ O ₂₂ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5086PWA029
Avanti Lot Number	699800P-CONF-A-029

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
HPLC-ELSD	NLT 99% (AUC)	100% (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] ⁺ = 1745.469 ± 1 amu	[M-NH ₄] ⁺ = 1745.7 amu

 Approved by: 

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