

PHAD[®]-504

Monophosphoryl Lipid A-504

699810P-1mg
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Molecular Weight	1735.42
Chemical Formula	C ₉₄ H ₁₈₀ N ₃ O ₂₂ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5087PGF010
Avanti Lot Number	699810P-1MG-F-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC	>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] ⁺ = 1717.42 ± 1 amu	[M-NH ₄] ⁺ = 1717.8 amu

Approved by:

