

3D-(6-acyl) PHAD[®]

Monophosphoryl Hexa-acyl Lipid A, 3-Deacyl (Synthetic)

699855P-1mg

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Molecular Weight	1747.469
Chemical Formula	C ₉₆ H ₁₈₄ N ₃ O ₂₁ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5091PGD011
Avanti Lot Number	699855P-1MG-D-011

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)	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] ⁺ = 1729.469 ± 1 amu	[M-NH ₄] ⁺ = 1729.7 amu



Approved by:

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