

3D-(6-acyl) PHAD[®]

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

699855P-5mg

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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	5091PHA012
Avanti Lot Number	699855P-5MG-A-012

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	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Mass Spectroscopy (TOF)	[M-NH ₄] ⁺ = 1728.32 ± 1 amu	[M-NH ₄] ⁺ = 1728.29 amu

Approved by:



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