

**3A-MPLA**

Monophosphoryl Tri-acyl Lipid A (Synthetic)

**699851P-1mg**

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<b>Molecular Weight</b>	1100.4
<b>Chemical Formula</b>	C <sub>54</sub> H <sub>106</sub> N <sub>3</sub> O <sub>17</sub> P
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5088PGC013
<b>Avanti Lot Number</b>	699851P-1MG-C-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (65:35:8 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
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-NH <sub>4</sub> ] <sup>+</sup> = 1082.4 ± 1 amu	[M-NH <sub>4</sub> ] <sup>+</sup> = 1082.3 amu

Approved By:



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