

18:1-12:0 Biotin PIP3

1-oleoyl-2-[12-biotinyl(aminododecanoyl)]-sn-glycero-3-phosphoinositol-3,4,5-trisphosphate (sodium salt)

860568P-CONF

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Molecular Weight	1350.14
Chemical Formula	C ₄₉ H ₈₇ N ₃ O ₂₄ P ₄ Na ₄ S
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6012PWA012
Avanti Lot Number	860568P-CONF-A-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (45:35:7.7:2.3 Chloroform: Methanol: Water: Ammonium Hydroxide)	>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-4Na+2H] ²⁻ = 630.11 ± 1 amu	[M-4Na+2H] ²⁻ = 630.2 amu

Approved By: *Andriana Thomas*

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