

TopFluor® PI(4,5)P2

1-oleoyl-2-{6-[4-(dipyrrometheneboron difluoride)butanoyl]amino}hexanoyl-sn-glycero-3-phosphoinositol-4,5-bisphosphate (ammonium salt)

810184P-100ug

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Molecular Weight	1239.023
Chemical Formula	C ₅₀ H ₉₂ N ₆ O ₂₀ P ₃ F ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5366PDC011
Avanti Lot Number	810184P-100UG-C-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: Yellow to orange solid which contains no foreign matter	Pass
TLC (45:35:7.7:2.3 Chloroform : Methanol : Water : Ammonium Hydroxide)	>99% Purity UV: one major spot 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-3NH ₄ +H] ²⁻ = 592.953 ± 1 amu	[M-3NH ₄ +H] ²⁻ = 593.3 amu

Approved By:



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