

Sphingosine-1-Phosphate (d18:1)

D-erythro-sphingosine-1-phosphate

860492P-CONF

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Molecular Weight	379.472
Chemical Formula	C ₁₈ H ₃₈ NO ₅ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5952PWA021
Avanti Lot Number	860492P-CONF-A-021

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (50:40:10 v/v/v Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity Ninhydrin: positive 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+H] ⁺ = 380.472 ± 1 amu	[M+H] ⁺ = 380.2 amu

Approved By:



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