

Sphingosine-1-Phosphate (d17:1)

D-erythro-sphingosine-1-phosphate (C17 base)

860641P-5mg

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Molecular Weight	365.445
Chemical Formula	C ₁₇ H ₃₆ NO ₅ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6067PHB015
Avanti Lot Number	860641P-5MG-B-015

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (50:40:10 Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity Ninhydrin: positive (due to DMA) 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
³¹ P Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-H] ⁻ = 364.445 ± 1 amu	[M-H] ⁻ = 364.3 amu

Approved By:



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