

D-ribo-Phytosphingosine-1-Phosphate

4-hydroxysphinganine-1-phosphate (Saccharomyces Cerevisiae)

860491P-1mg

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Molecular Weight	397.487
Chemical Formula	C ₁₈ H ₄₀ NO ₆ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5951PGD017
Avanti Lot Number	860491P-1MG-D-017

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC (5:10:3 Chloroform: Methanol: DMA)	>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] ⁺ = 398.487 ± 1 amu [M+H+HCOOH] ⁺ = 443.487 ± 1 amu	[M+H] ⁺ = 398.4 amu [M+H+HCOOH] ⁺ = 443.5 ± 1 amu

 Approved by: *Anderson Thomas*

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