

**Sphingosine-1-Phosphate (d18:1)**

D-erythro-sphingosine-1-phosphate

860492P-1mg

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<b>Molecular Weight</b>	379.472
<b>Chemical Formula</b>	C <sub>18</sub> H <sub>38</sub> NO <sub>5</sub> P
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5952PGB021
<b>Avanti Lot Number</b>	860492P-1MG-B-021

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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] <sup>+</sup> = 380.472 ± 1 amu	[M+H] <sup>+</sup> = 380.2 amu

Approved By:



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