

**cis-4-methylsphingosine**

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**860478P-5mg**

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<b>Molecular Weight</b>	313.518
<b>Chemical Formula</b>	C <sub>19</sub> H <sub>39</sub> NO <sub>2</sub>
<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>	5944PHB010
<b>Avanti Lot Number</b>	860478P-5MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (85:15:1 Chloroform :Methanol: Ammonium hydroxide)	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] <sup>+</sup> = 314.518 ± 1 amu	[M+H] <sup>+</sup> = 314.1 amu

Approved by:

