

**4E, 14Z - sphingadiene d7**

(2S,3R,4E,14Z)-2-aminooctadec-4,14-diene-1,3-diol-d7

**860734P-1MG**

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<b>Molecular Weight</b>	304.53
<b>Chemical Formula</b>	C <sub>18</sub> H <sub>28</sub> D <sub>7</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>	7016PGA010
<b>Avanti Lot Number</b>	860734P-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (80:20:2 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> = 305.53 ± 1 amu	[M+H] <sup>+</sup> = 305.5 amu

 Approved By: *Meredith Bayood*

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