

**sphingosine-d7**  
**D-erythro-sphingosine-d7**  
**860657P-1mg**

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**Molecular Weight** 306.535  
**Chemical Formula** C<sub>18</sub>H<sub>30</sub>D<sub>7</sub>NO<sub>2</sub>  
**Physical State** Powder  
**Storage** -20 °C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6079PGA012  
**Avanti Lot Number** 860657P-1MG-A-012

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> = 307.535 ± 1 amu	[M+H] <sup>+</sup> = 307.4 amu

Approved by:

