

**C16:0 Ceramide (d18:2(4E,8Z)/16:0)**

N-palmitoyl-D-erythro-sphingosine (d18:2(4E,8Z) base)

860692P-1mg

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**Molecular Weight** 535.88  
**Chemical Formula** C<sub>34</sub>H<sub>65</sub>NO<sub>3</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6102PGD010  
**Avanti Lot Number** 860692P-1MG-D-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (9:1 Chloroform:Methanol)	>99% Purity Ninhydrin: negative 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> = 536.88 ± 1 amu	[M+H] <sup>+</sup> = 537.0 amu

Approved by: 

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