

**C16 Ceramide (d18:1/16:0)**

N-palmitoyl-D-erythro-sphingosine

860516P-25mg

Page 1 of 1

<b>Molecular Weight</b>	537.901
<b>Chemical Formula</b>	C <sub>34</sub> H <sub>67</sub> NO <sub>3</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>	5968PJD022
<b>Avanti Lot Number</b>	860516P-25MG-D-022

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (95:5 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> = 538.901 ± 1 amu	[M+H] <sup>+</sup> = 539.0 amu

 Approved By: *Meredith Bayood*

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