

**C24:1 Ceramide (d18:1/24:1(15Z))**

N-nervonoyl-D-erythro-sphingosine

860525P-5mg

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<b>Molecular Weight</b>	648.097
<b>Chemical Formula</b>	C <sub>42</sub> H <sub>81</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>	5977PHA015
<b>Avanti Lot Number</b>	860525P-5MG-A-015

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> = 649.097 ± 1 amu	[M+H] <sup>+</sup> = 648.9 amu

Approved by:

