

**C24:1 Ceramide-d7 (d18:1-d7/24:1(15Z))**

N-nervonoyl-D-erythro-sphingosine (d7)

**860679P-1mg**

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<b>Molecular Weight</b>	655.141
<b>Chemical Formula</b>	C <sub>42</sub> H <sub>74</sub> D <sub>7</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>	6096PGI011
<b>Avanti Lot Number</b>	860679P-1MG-I-011

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> = 656.141 ± 1 amu	[M+H] <sup>+</sup> = 655.6 amu

Approved by:



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