

**C22 Ceramide (d14:1/22:0)**

N-behenoyl-D-erythro-sphingosine (C14 base)

**860672P-10mg**

Page 1 of 1

<b>Molecular weight</b>	565.954
<b>Chemical formula</b>	C <sub>36</sub> H <sub>71</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>	6521PIB010
<b>Avanti Lot Number</b>	860672P-10MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White powder which contains no foreign matter	Pass
TLC (9:1 Chloroform:Methanol)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with reference structure	Consistent with structure
Mass Spectroscopy	[M+H] <sup>+</sup> = 566.954 ± 1 amu [M+Na] <sup>+</sup> = 588.954 ± 1 amu [M+H+NaCl] <sup>+</sup> = 624.954 ± 1 amu	[M+H] <sup>+</sup> = 566.9 amu [M+Na] <sup>+</sup> = 588.9 amu [M+H+NaCl] <sup>+</sup> = 625.1 amu

Approved By: *Melissa Liles*

For Research Use Only. Not For Human Use.