

**C24 Ceramide (d18:1/24:0)**  
**N-lignoceroyl-D-erythro-sphingosine**  
**860524P-5mg**

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**Molecular Weight** 650.113  
**Chemical Formula** C<sub>42</sub>H<sub>83</sub>NO<sub>3</sub>  
**Physical State** Powder  
**Storage** -20 °C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5976PHA015  
**Avanti Lot Number** 860524P-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> = 651.113 ± 1 amu	[M+H] <sup>+</sup> = 651.3 amu

Approved by:

