

**C14 Ceramide (d18:1/14:0)****N-myristoyl-D-erythro-sphingosine****860514P-5mg****Page 1 of 1**

**Molecular Weight** 509.848  
**Chemical Formula** C<sub>32</sub>H<sub>63</sub>NO<sub>3</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5967PHF011  
**Avanti Lot Number** 860514P-5MG-F-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> = 510.848 ± 1 amu or [M+NH <sub>4</sub> ] <sup>+</sup> = 527.848 ± 1 amu	[M+H] <sup>+</sup> = 510.9 amu

Approved By:



For Research Use Only. Not For Human Use.