

**C12 Lactosyl(β) Ceramide (d18:1/12:0)**  
**D-lactosyl-β-1,1' N-lauroyl-D-erythro-sphingosine**  
**860545P-5mg**

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**Molecular Weight** 806.076  
**Chemical Formula** C<sub>42</sub>H<sub>79</sub>NO<sub>13</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5995PHE014  
**Avanti Lot Number** 860545P-5MG-E-014

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (7:3 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> = 807.076 ± 1 amu	[M+H] <sup>+</sup> = 806.9 amu

Approved by:



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