

**Glucosyl( $\alpha$ ) Sphingosine (d18:1)**  
**D-glucosyl- $\alpha$  1-1'-D-erythro-sphingosine**  
**860441P-1mg**

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**Molecular Weight** 461.63  
**Chemical Formula** C<sub>24</sub>H<sub>47</sub>NO<sub>7</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6667PGB010  
**Avanti Lot Number** 860441P-1MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: positive 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> = 462.63 $\pm$ 1 amu	[M+H] <sup>+</sup> = 462.4 amu

Approved By:

*Melissa Liles*

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