

**n-dodecyl-β-D-maltoside (DDM)**

n-dodecyl-β-D-maltopyranoside

850520P-1g

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**Molecular Weight** 510.615  
**Chemical Formula** C<sub>24</sub>H<sub>46</sub>O<sub>11</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5700PQA032  
**Avanti Lot Number** 850520P-1G-A-032

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (80:20:2 Chloroform: Methanol: Water)	>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+NH <sub>4</sub> ] <sup>+</sup> = 528.615 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 529.1 amu

Approved By: *Anderson Thomas*

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