

22:0 Trehalose

D-(+)-trehalose 6,6'-dibehenate

890808P-5mg

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Molecular Weight	987.433
Chemical Formula	C ₅₆ H ₁₀₆ O ₁₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6351PHA019
Avanti Lot Number	890808P-5MG-A-019

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (65:25:4 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 ₄] ⁺ = 1005.433 ± 1 amu	[M+NH ₄] ⁺ = 1005.3 amu
Residual Solvents	Run and Report	6 ppm Methanol 4 ppm Ethanol 278 ppm Isopropanol 2 ppm Hexane 3 ppm Ethyl Acetate 62 ppm Chloroform 2 ppm Toluene

Melissa Bolin

Approved by:

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