

Analytical Data Sheet

Lot number **1076079**
not for drug use

Catalog number **Q-1005.1000**
Product number **4006354.1000**
Product **Ac- α - benzyl- 4, 6- O- benzylidene- muramic acid**
Molecular formula **C₂₅H₂₉NO₈**
Relative molecular mass **471.51**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH/CHCl ₃ 1:1)
Identification (elemental analysis)	Theory Found C = 63.7 % C = 63.6 % H = 6.2 % H = 6.2 % N = 3.0 % N = 2.8 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +117.9^\circ$ (1 % in MeOH)
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol 8/2 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, Amm
Water content (KF volumetric)	0.1%

Latest update: March 21, 2018

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