

Analytical Data Sheet

Lot number **1069444**
not for drug use

Catalog number **M-1190.0250**
Product number **4000924.0250**
Product **5- Bromo- 4- chloro- 1H- indol- 3- yl β- D- galactopyranoside**
Molecular formula **C₁₄H₁₅BrClNO₆**
Relative molecular mass **408.63**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in DMF)
Identification (elemental analysis)	Theory Found C = 41.2% C = 40.9% H = 3.7% H = 3.8% N = 3.4% N = 3.5%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -63.3^\circ$ (1% in 60% DMF)
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, TMB
Assay (elemental analysis)	99.5% (Cth 41.15%, Cfd 40.94%)
Water content (KF volumetric)	0.1%

Latest update: January 11, 2017

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