

PRODUCT SPECIFICATION



Cat. No. **B-7409**
Product **5-Bromo-4-chloro-3-indoxyl-alpha-D-mannopyranoside**

X-alpha-D-mannoside

X-alpha-D-Man

CAS RN [125229-64-3] *M. F.* C₁₄H₁₅BrClNO₆
M. W. 408.64 g/mol

<i>Test</i>	<i>Specification</i>
Color	slightly off-white to off-white
Form	crystalline powder
Color of Solution (1% in methanol)	colorless to almost colorless
Turbidity (1 % in methanol)	max. 4.0 NTU
Water Content (K. Fischer)	max. 1.0 %
Melting Point	137 to 141 °C
TLC (30 mg/mL in methanol; chloroform/methanol/acetic acid 77.5:15:7.5; UV 254 nm, sulfuric acid)	corresponds to reference material
Purity (TLC) (30 mg/mL in methanol; chloroform/methanol/acetic acid 77.5:15:7.5; UV 254 nm, sulfuric acid)	min. 99 area-%
Specific Optical Rotation [alpha]_D (c = 1 in methanol; 20 °C)	118.0 to 122.0
FT-IR Spectrum	corresponds to reference spectrum
Recommended Retest Period:	1440 days

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