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Product Specifications

Catalogue Number 20999

Product

5-Bromo-4-chloro-3-indolyl- α -D-glucopyranoside

5-Bromo-4-chloro-3-(α -D-galactopyranosyloxy)indole

5-Bromo-4-chloro-3-indolyl- α -D-glucoside

CAS Number 108789-36-2

Molecular Formula C₁₄H₁₅BrClNO₆

Molecular Weight 408.63

Appearance White powder

Solubility Clear and colorless solution (2% DMF)

Water Content (Karl Fisher) $\leq 1.0\%$

Optical Rotation $[\alpha]_D^{20} = +108 \pm 2^\circ$ (C=1, DMF:H₂O=1:1)

¹H NMR Conforms to structure

Purity by TLC $\geq 99\%$

Application Chromogenic substrate for α -Glucosidase that, upon enzymatic action, forms an indigo-blue precipitate. It is used in microbiology culture media, histochemistry and in biochemistry.

Storage Store at 0-8 °C

For Laboratory Use Only