

# Chem-Impex International, Inc.

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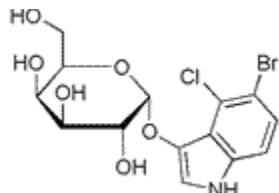
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

**Catalogue Number** 21193

**Product**

**5-Bromo-4-chloro-3-indolyl- $\alpha$ -D-galactopyranoside**

5-Bromo-4-chloro-3-indolyl- $\alpha$ -D-galactoside

5-Bromo-4-chloro-3-indoxyl- $\alpha$ -D-galactopyranoside

**CAS Number** 107021-38-5

**Molecular Formula** C<sub>14</sub>H<sub>15</sub>BrClNO<sub>6</sub>

**Molecular Weight** 408.63

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**Appearance** White powder

**Solubility** Clear and colorless solution (2% DMF)

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

**Optical Rotation**  $[\alpha]_D^{20} = +147 \pm 2^\circ$  (C=1, DMF:H<sub>2</sub>O=1:1)

**<sup>1</sup>H NMR** Conforms to structure

**Purity by TLC**  $\geq 98\%$

**Application** Substrate for  $\alpha$ -Galactosidase that is converted, by the enzyme, into an intense indigo-blue chromophore (615 nm).

**Storage** Store at -20 °C

**For Laboratory Use Only**