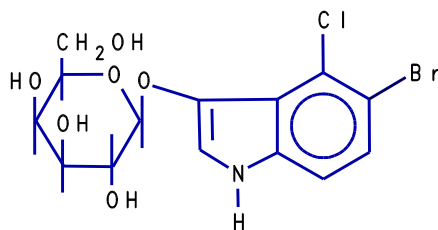


## SPECIFICATIONS

### 5-BROMO-4-CHLORO-3-INDOLYL- $\beta$ -D-GALACTOPYRANOSIDE



<b>Catalogue Number</b>	<b>1161</b>
<b>CAS Registry Number</b>	<b>7240-90-6</b>
<b>Molecular Formula</b>	<b>C<sub>14</sub>H<sub>15</sub>BrClNO<sub>6</sub></b>
<b>Molecular Weight</b>	<b>408.6 g.mol<sup>-1</sup></b>
<b>I.R.</b>	<b>Consistent with assigned structure</b>
<b>N.M.R.</b>	<b>Consistent with assigned structure</b>
<b>Purity (HPLC)*</b>	<b>≥ 99.0%</b>
<b>2% Solution in DMF</b>	<b>Clear &amp; colorless</b>
<b>Appearance</b>	<b>White crystals</b>
<b>Optical Rotation</b>	<b>-61 ± 3 °</b>
<b>Storage</b>	<b>-15°C ± 5°C</b>

\*HPLC Conditions: 0.14 mg/mL, 50:50. Methanol:Water, 1 mL/min. 290 nm, Alltech Lichrosorb C-18 column

**Use:** Histochemical substrate for  $\beta$ -galactosidase, Horwitz, J.P., et.al., J. Med. Chem. 7, 574 (1964).

Substrate for  $\beta$ -galactosidase Positive Clones, Davies, R.W., Potstein, D., Ruth, J.R., (1980).  
Advanced Bacterial Genetics, Cold Spring Harbour, N.Y. Lodja, S. et.al. (1973).  
Histochemistry 34, 361-369.