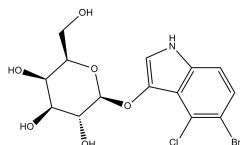


**Product: X-GAL****ALTERNATE NAME:** 5-Bromo-4-chloro-3-indolyl  $\beta$ -D-galactoside, BCIG**CATALOG #:** 2671-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:** C<sub>14</sub>H<sub>15</sub>BrClNO<sub>6</sub>**MOLECULAR WEIGHT:** 408.63**CAS NUMBER:** 7240-90-6**APPEARANCE:** White powder**SOLUBILITY:** DMF or DMSO (~40 mg/ml)**PURITY:**  $\geq$ 98%**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** X-GAL is a useful chromogenic substrate for  $\beta$ -galactosidase that produces a rich blue color that can easily be detected visually over background. X-GAL is used to indicate whether a cell expresses the  $\beta$ -galactosidase enzyme, which is encoded by the *lacZ gene*, in a technique called blue white screening.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Beta-Galactosidase staining kit (Cat. No. K802-250)

Beta-Galactosidase antibody (Cat. No. 3231-100)

Muristerone A (Cat. No. 2184-250, 1000)

Ponasterone A (Cat. No. 2183-1, 5)

**FOR RESEARCH USE ONLY! Not to be used on humans.**