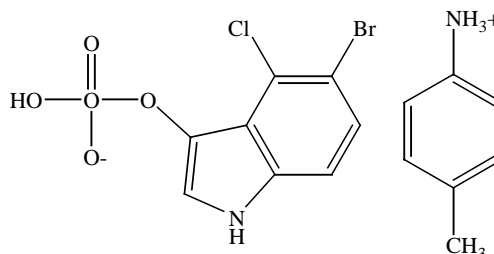


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** **BCIP, toluidine** (5-bromo-4-chloro-3-indoxyl phosphate, *p*-toluidine salt)**CATALOG NUMBER:** **10002/10002-1/10002-2****MOLECULAR INFORMATION:** C<sub>15</sub>H<sub>15</sub>BrClN<sub>2</sub>O<sub>4</sub>  
P Mwt: 433.6  
[6578-06-9]**PROPERTIES:**

|                         |   |
|-------------------------|---|
| <b>Color &amp; Form</b> | White solid   |
| <b>Purity</b>           | ≥ 98% by TLC  |
| <b>Solubility</b>       | Soluble in water. 1mg/mL solution in a 0.1M pH 7 phosphate buffer |

**STORAGE AND HANDLING:** Stored desiccated at ≤ 4 °C upon receipt. Protect from light, especially when in solution.**APPLICATION:** BCIP is the most widely used chromogenic phosphatase substrate, which forms a dark blue precipitate on enzymatic hydrolysis. It is often used with the oxidant NBT (nitro blue tetrazolium chloride) (**10008**), which facilitates the precipitation. For your convenience, we offer a BCIP/NBT Kit (**10003**) that contains both reagents with a price lower than the combined prices of the components. Please also see our BCIP derivatives that yield red (**10004**) and pink (**10006**) precipitates.Ref: *Biotechniques* **12**, 656(1992); *Histochemistry* **58**, 203(1978)**TOXICITY:** Unknown

|                   |   |
|-------------------|---|
| <b>FIRST AID:</b> | Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately. |
|-------------------|---|

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| <b>Disclaimer:</b> <i>Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.</i> |
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