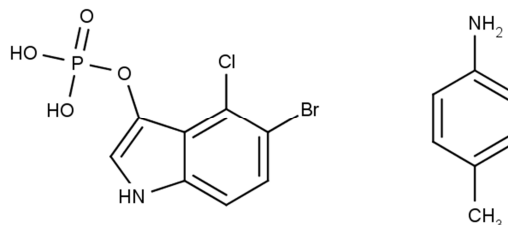


BCIP, p-toluidine salt

Catalog No: 02291
Lot No: XXXXX
Cas No: 6578-06-9
Formula: $C_8H_6BrClNO_4P \cdot C_7H_9N$
MW: 433.64
Supplied as: solid
Stability: store at -20°C, protect from light



Background

5-Bromo-4-chloro-3-indolyl phosphate (BCIP, X-phosphate, XP) is an artificial chromogenic substrate used for the sensitive colorimetric detection of alkaline phosphatase activity. Alkaline phosphatase hydrolyses BCIP to 5-bromo-4-chloro-3-indole and inorganic phosphate. BCIP is oxidized by atmospheric oxygen to form the blue dye 5,5'-dibromo-4,4'-dichloro-indigo. It is also oxidized by nitroblue tetrazolium (NBT), which forms an insoluble dark blue diformazan precipitate after reduction.

Tests

Appearance:
Assay (HPLC):
 λ_{max} (Buffer pH 7.0):
Water (K.F.):

Specifications

white to yellowish powder
 $\geq 98\%$
 286 – 294 nm
 $\leq 1\%$

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.