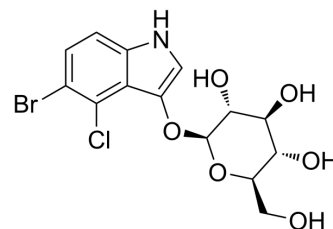


5-Bromo-4-chloro-3-indolyl β-D-glucopyranoside

Cat. No.:	HY-137779		
CAS No.:	15548-60-4		
Molecular Formula:	C ₁₄ H ₁₅ BrClNO ₆		
Molecular Weight:	408.63		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (244.72 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.4472 mL	12.2360 mL	24.4720 mL
		5 mM	0.4894 mL	2.4472 mL	4.8944 mL
10 mM		0.2447 mL	1.2236 mL	2.4472 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.12 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.12 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	5-Bromo-4-chloro-3-indolyl β-D-glucopyranoside, a chromogenic substrate for the detection of β-galactosidase activity. It is commonly used in molecular biology techniques such as gene expression analysis and reporter gene analysis. When β-galactosidase cleaves X-Gluc, a blue precipitate is produced, which can be observed by microscopy or other detection methods. X-Gluc has high sensitivity and specificity for the detection of β-galactosidase activity, making it a widely used tool in molecular biology research.
In Vitro	5-Bromo-4-chloro-3-indolyl β-D-Glucopyranoside is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA