CD BioGlyco
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Product Information

Chromogenic substrate 5-bromo-6-chloro-3-indolyl α-D-glucopyranoside

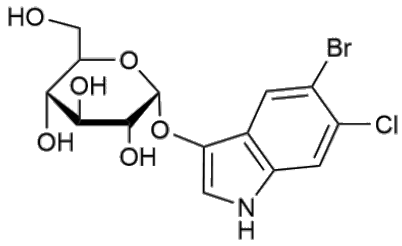
Cat. No.: X24-02-LY016

Size: 10 mg; 25 mg; 50 mg; 100 mg; 250 mg; 500 mg

CAS Number: 878495-64-8

Compound CID: 4131401

Synonym: 878495-64-8; 5-Bromo-6-chloro-3-indoxyl alpha-D-glucopyranoside; 2-[(5-Bromo-6-chloro-1*H*-indol-3-yl)oxy]-6-(hydroxymethyl)oxane-3,4,5-triol



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	5-Bromo-6-chloro-3-indolyl α-D-glucopyranoside is a common indolyl substrate that can be hydrolyzed (by β-galactosidase) to 3-indolyl-lamanol with a blue color-emitting group.
Molecular Weight	408.6
Molecular Formula	$C_{14}H_{15}BrClNO_6$
IUPAC Name	2-[(5-Bromo-6-chloro-1*H*-indol-3-yl)oxy]-6-(hydroxymethyl)oxane-3,4,5-triol
InChI	InChI=1S/C14H15BrClNO6/c15-6-1-5-8(2-7(6)16)17-3-9(5)22-14-13(21)12(20)11(19)10(4-18)23-14/h1-3,10-14,17-21H,4H2
InChI Key	CHRVKCMQIZYLNM-UHFFFAOYSA-N
Canonical SMILES	C1=C2C(=CC(=C1Br)Cl)NC=C2OC3C(C(C(C(O3)CO)O)O)O
Form	Solid
Purity	>98%, determined by HPLC.
Solubility	It is soluble in dimethylformamide at a concentration of 1%.
Applications	5-Bromo-6-chloro-3-indolyl α-D-glucopyranoside is commonly used for the detection of enzyme activity and the screening of enzyme inhibitors.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, Safety glasses, FFP2 or N95 masks