

Product Information

Magenta- α -D-galactoside for nucleotide synthesis

Cat. No.: X24-04-QCY037

Size: 5 mg; 10 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD02683897

CAS Number: 198402-60-7

Compound CID: 26369095

Synonym: 198402-60-7; 5-Bromo-6-chloro-3-indolyl α -D-galactopyranoside; 5-Bromo-6-chloro-3-indoxyl- α -D-galactopyranoside; (2*R*,3*R*,4*S*,5*R*,6*R*)-2-[(5-bromo-6-chloro-1*H*-indol-3-yl)oxy]-6-(hydroxymethyl)oxane-3,4,5-triol; (2*R*,3*R*,4*S*,5*R*,6*R*)-2-[(5-Bromo-6-chloro-1*H*-indol-3-yl)oxy]-6-(hydroxymethyl)tetrahydro-2*H*-pyran-3,4,5-triol; α -D-Galactopyranoside, 5-bromo-6-chloro-1*H*-indol-3-yl; 5-Bromo-6-chloro-3-indolyl α -D-galactopyranoside; Nucleotide synthesis reagent

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

Product Information

Description	Magenta- α -D-galactoside is a biological substrate for the detection of some galactosidase activities. It is also an effective ligand for certain proteins and an excellent reagent for the determination of galactose oxidase.
Molecular Weight	408.63
Molecular Formula	C ₁₄ H ₁₅ BrClNO ₆
IUPAC Name	(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-2-[(5-Bromo-6-chloro-1 <i>H</i> -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/t10-,11+,12+,13-,14+/m1/s1
InChI Key	CHRVKCMQIZYLNH-HTOAHKCRSA-N
Canonical SMILES	C1=C2C(=CC(=C1Br)Cl)NC=C2OC3C(C(C(C(O3)CO)O)O)O
Isomeric SMILES	C1=C2C(=CC(=C1Br)Cl)NC=C2O[C@@H]3[C@@H]([C@H]([C@H]([C@H](O3)CO)O)O)O
Form	Powder
Purity	≥95%
Identity	Confirmed by NMR/HPLC/MS.
Applications	Magenta- α -D-galactoside can be used to assay galactosidase and galactose oxidase activities.
Storage	Store at -20°C.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
