CD BioGlyco
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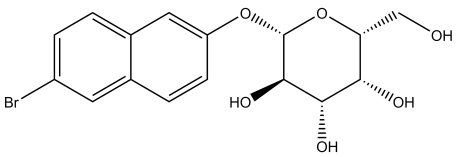
Product Information

6-Bromo-2-naphthyl β-D-galactopyranoside, Purity≥98%



Cat. No.: X25-01-WXX460

Size: 250 mg; 500 mg; 1 g; 2 g

MDL: MFCD00064182

CAS Number: 15572-30-2

Compound CID: 84995

Synonym: 15572-30-2; 6-Bromo-2-naphthyl b-D-galactoside; 6-Bromo-2-naphthyl beta-D-galactopyranoside; 6-Bromo-2-naphthyl-beta-D-galactopyranoside; 6-Bromo-2-naphthyl-beta-galactopyranoside; (2*S*,3*R*,4*S*,5*R*,6*R*)-2-(6-bromonaphthalen-2-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	6-Bromo-2-naphthyl β-D-galactopyranoside is a compound containing a naphthalene group and a galactose group. Its structure is characterized by the presence of a bromine atom on the naphthalene ring, which is linked to the galactose molecule by a glycosidic bond, and has specific biological activity and chemical properties.
Molecular Weight	385.21
Molecular Formula	$C_{16}H_{17}BrO_6$
IUPAC Name	(2*S*,3*R*,4*S*,5*R*,6*R*)-2-(6-bromonaphthalen-2-yl)oxy-6-(hydroxymethyl)oxane-3,4,5-triol
InChI	InChI=1S/C16H17BrO6/c17-10-3-1-9-6-11(4-2-8(9)5-10)22-16-15(21)14(20)13(19)12(7-18)23-16/h1-6,12-16,18-21H,7H2/t12-,13+,14+,15-,16-/m1/s1
InChI Key	NLRXQZJJCPRATR-LYYZXLFJSA-N
Canonical SMILES	C1=CC2=C(C=CC(=C2)Br)C=C1OC3C(C(C(C(O3)CO)O)O)O
Isomeric SMILES	C1=CC2=C(C=CC(=C2)Br)C=C1O[C@H]3[C@@H]([C@H]([C@H]([C@H](O3)CO)O)O)O
Form	Solid
Purity	≥98%
Applications	6-Bromo-2-naphthyl β-D-galactopyranoside is a chromogenic substrate commonly used for the detection of the enzymatic activity of β-galactosidase.
Storage	Store at 4°C.