

Product Information

1-Naphthyl α -D-glucopyranoside

Cat. No.: X24-11-LY206

Size: 5 mg; 10 mg; 25 mg; 100 mg; 1 g

MDL: MFCD04966779

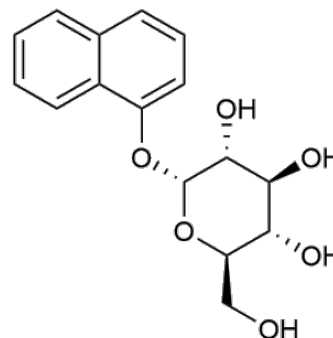
CAS Number: 208647-48-7

Compound CID: 18648450

Synonym: 208647-48-7; α -Naphthyl- α -D-glucoside- α -Nap- α -D-Glc; 1-Naphthyl α -D-glucopyranoside;

(2*R*,3*S*,4*S*,5*R*,6*R*)-2-(Hydroxymethyl)-6-naphthalen-1-yloxyoxane-3,4,5-triol;

1-Naphthyl- α -D-glucopyranoside



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

Product Information

Description	1-Naphthyl α -D-glucopyranoside is a chromogenic substrate that can be hydrolyzed by a specific enzyme (such as β -glucosidase), hydrolyzed to release 1-naphthalyl with a color reaction.
Molecular Weight	306.31
Molecular Formula	C ₁₆ H ₁₈ O ₆
IUPAC Name	(2 <i>R</i> ,3 <i>S</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-2-(Hydroxymethyl)-6-naphthalen-1-yloxyoxane-3,4,5-triol
InChI	InChI=1S/C16H18O6/c17-8-12-13(18)14(19)15(20)16(22-12)21-11-7-3-5-9-4-1-2-6-10(9)11/h1-7,12-20H,8H2/t12-,13-,14+,15-,16+/m1/s1
InChI Key	CVAOQMBKGUKOIZ-LJZCISZSA-N
SMILES string	C1=CC=C2C(=C1)C=CC=C2O[C@@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O
Form	Powder
Purity	$\geq 95\%$
Applications	1-Naphthyl α -D-glucopyranoside can be used for the determination of the enzyme activities.
Storage	Store at -20°C .