



Product Information

4-Methylumbelliferyl

2-azido-2-deoxy-4,6-O-phenylmethylene-a-D-galactopyranoside

Cat. No.: X24-11-LY049

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1147438-59-2

Compound CID: 71750672

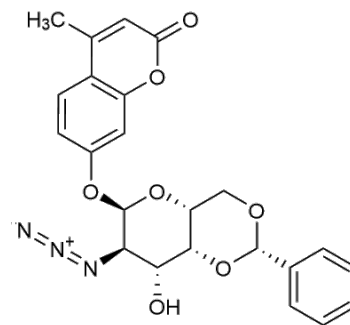
Synonym: 1147438-59-2;

7-[[2-Azido-2-deoxy-4,6-O-[phenylmethylene]-3-O-(2,3,4,6-tetra-O-acetyl-b-D-galactopyranosyl)-a-D-galactopyranosyl]oxy]-4-methyl-2H-1-benzopyran-2-one;

7-[[[(2S,4aR,6R,7R,8R,8aR)-7-azido-8-hydroxy-2-phenyl-4,4a,6,7,8,8a-hexahydropyrano[3,2-d][1,3]dioxin-6-yl]oxy]-4-methylchromen-2-one;

7-[[2-Azido-2-deoxy-4,6-O-[phenylmethylene]-3-O-(2,3,4,6-tetra-O-acetyl-beta-D-galactopyranosyl)-alpha-D-galactopyranosyl]oxy]-4-methyl-2H-1-Benzopyran-2-one

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



Product Information

Description	4-Methylumbelliferyl 2-azido-2-deoxy-4,6-O-phenylmethylene-a-D-galactopyranoside is a MU substrate that reacts with beta D galactosidase to produce light.
Molecular Weight	451.43
Molecular Formula	C ₂₃ H ₂₁ N ₃ O ₇
IUPAC Name	7-[[[(2S,4aR,6R,7R,8R,8aR)-7-Azido-8-hydroxy-2-phenyl-4,4a,6,7,8,8a-hexahydropyrano[3,2-d][1,3]dioxin-6-yl]oxy]-4-methylchromen-2-one
InChI	InChI=1S/C23H21N3O7/c1-12-9-18(27)31-16-10-14(7-8-15(12)16)30-23-19(25-26-24)20(28)21-17(32-23)11-29-22(33-21)13-5-3-2-4-6-13/h2-10,17,19-23,28H,11H2,1H3/t17-,19-,20-,21+,22+,23+/m1/s1
InChI Key	MYWUUBHOPGUEKN-IYGHGDFISA-N
SMILES string	CC1=CC(=O)OC2=C1C=CC(=C2)O[C@@H]3[C@@H]([C@H]([C@@H]4[C@H](O3)CO[C@@H](O4)C5=CC=CC=C5)O)N=[N+]=[N-]
Form	Powder
Purity	≥95%
Applications	4-Methylumbelliferyl 2-azido-2-deoxy-4,6-O-phenylmethylene-a-D-galactopyranoside can be used as a chromogenic substrate for the detection of enzymes involved in glycosylation reactions.



Storage

Store at -20°C.
