



Product Information

4-Methylumbelliferyl 2-azido-2-deoxy-3-O-(tetra-O-acetyl-b-D- galactopyranosyl)-4,6-O-benzylidene-a-D-galactopyranoside

Cat. No.: X24-11-LY050

Size: 2 mg; 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1147438-61-6

Compound CID: 71750671

Synonym: 1147438-61-6;

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

1[(2R,3S,4S,5R,6R)-6-[[[(2S,4aR,6R,7R,8R,8aR

)-7-azido-6-(4-methyl-2-oxochromen-7-yl)oxy-2-phenyl-4,4a,6,7,8,8a-

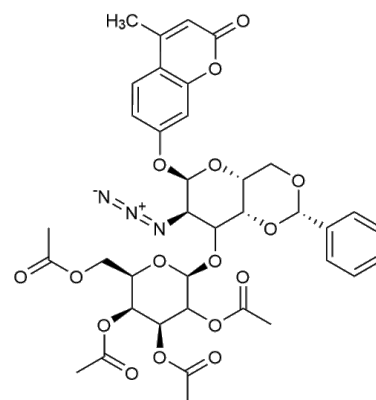
hexahydropyrano[3,2-d][1,3]dioxin-8-yl]oxy]-3,4,5-triacetyloxyoxan-2-yl]methyl

acetate; 4-Methylumbelliferyl

2-azido-2-deoxy-3-O-(tetra-O-acetyl-b-D-

galactopyranosyl)-4,6-O-phenylmethylene-a-D-galactopyranoside

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



Product Information

Description	4-Methylumbelliferyl 2-azido-2-deoxy-3-O-(tetra-O-acetyl-b-D-galactopyranosyl)-4,6-O-benzylidene-a-D-galactopyranoside is a MU substrate for detecting ligands.
Molecular Weight	781.72
Molecular Formula	C ₃₇ H ₃₉ N ₃ O ₁₆
IUPAC Name	[[[(2R,3S,4S,5R,6R)-6-[[[(2S,4aR,6R,7R,8R,8aR)-7-Azido-6-(4-methyl-2-oxochromen-7-yl)oxy-2-phenyl-4,4a,6,7,8,8a-hexahydropyrano[3,2-d][1,3]dioxin-8-yl]oxy]-3,4,5-triacetyloxyoxan-2-yl]methyl acetate
InChI	InChI=1S/C37H39N3O16/c1-17-13-28(45)52-25-14-23(11-12-24(17)25)51-36-29(39-40-38)32(30-27(53-36)16-47-35(55-30)22-9-7-6-8-10-22)56-37-34(50-21(5)44)33(49-20(4)43)31(48-19(3)42)26(54-37)15-46-18(2)41/h6-14,26-27,29-37H,15-16H2,1-5H3/t26-,27-,29-,30+,31+,32-,33+,34-,35+,36+,37+/m1/s1
InChI Key	GJZSUWLDWDOLCR-HWVJYMAESA-N



SMILES string	<chem>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[C@H]6[C@@H]([C@H]([C@H]([C@H](O6)COC(=O)C)OC(=O)C)OC(=O)C)N=[N+]=[N-]</chem>
Form	Powder
Purity	≥95%
Applications	4-Methylumbelliferyl 2-azido-2-deoxy-3-O-(tetra-O-acetyl-b-D-galactopyranosyl)-4,6-O-benzylidene-a-D-galactopyranoside can be used for the detection of nucleic acids such as DNA.
Storage	Store at -20°C.