



Product Information

6,8-Difluoro-4-methylumbelliferyl b-D-glucopyranoside

Cat. No.: X24-11-LY297

Size: 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

MDL: MFCD01863003

CAS Number: 351009-26-2

Compound CID: 21080056

Synonym: 351009-26-2;

6,8-Difluoro-4-methyl-7-[(2*S*,3*R*,4*S*,5*S*,6*R*

)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromen-2-one;

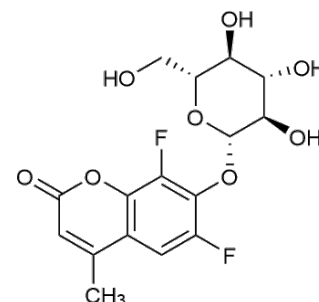
6,8-Difluoro-4-methyl-7-(((2*S*,3*R*,4*S*,5*S*,6*R*

)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2*H*-pyran-2-yl)oxy)-2*H*-chromen-2-one;

6,8-Difluoro-4-methyl-7-[[[(2*S*,3*R*,4*S*,5*S*,6*R*

)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]-2*H*-chromen-2-one

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



Product Information

Description	6,8-Difluoro-4-methylumbelliferyl b-D-glucopyranoside is a MU substrate and has a diphenyllactone structure.
Molecular Weight	374.29
Molecular Formula	C ₁₆ H ₁₆ F ₂ O ₈
IUPAC Name	6,8-Difluoro-4-methyl-7-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromen-2-one
InChI	InChI=1S/C16H16F2O8/c1-5-2-9(20)25-14-6(5)3-7(17)15(10(14)18)26-16-13(23)12(22)11(21)8(4-19)24-16/h2-3,8,11-13,16,19,21-23H,4H2,1H3/t8-,11-,12+,13-,16+/m1/s1
InChI Key	JZLOUZMEHMDFKY-ADPZIVFVSA-N
SMILES string	CC1=CC(=O)OC2=C(C(=C(C=C12)F)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O)F
Form	Powder
Purity	≥95%
Identity	Confirmed by TLC.
Melting Point	137.0-139.0 °C
Applications	6,8-Difluoro-4-methylumbelliferyl b-D-glucopyranoside is suitable for use as a fluorescent probe that



can monitor the hydrolysis process of polysaccharides in biological samples.

Storage

Store at -20°C.
