



Product Information

6,8-Difluoro-4-methylumbelliferyl β -D-galactopyranoside

Cat. No.: X24-11-LY225

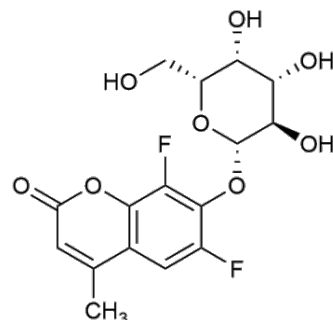
Size: 50 mg; 100 mg; 250 mg; 500 mg

MDL: MFCD01863002

CAS Number: 215868-26-1

Compound CID: 20576689

Synonym: 215868-26-1; 6,8-Difluoro-4-methylumbelliferyl β -D-galactopyranoside;
6,8-Difluoro-4-methyl-2-oxo-2H-1-benzopyran-7-yl β -D-galactopyranoside;
6,8-Difluoro-4-methyl-7-(((2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-2H-chromen-2-one;
6,8-Difluoro-4-methyl-7-[(2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromen-2-one



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

Product Information

Description	6,8-Difluoro-4-methylumbelliferyl β -D-galactopyranoside is a MU substrate contains two fluorine substituents and a methyl quinoreoline moiety to enhance its fluorescence properties.
Molecular Weight	374.29
Molecular Formula	C ₁₆ H ₁₆ F ₂ O ₈
IUPAC Name	6,8-Difluoro-4-methyl-7-[(2S,3R,4S,5R,6R)-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-DSERSLQPSA-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	Solidified syrup
Purity	≥97%, determined by HPLC.
Identity	Confirmed by MS.
Applications	6,8-Difluoro-4-methylumbelliferyl β -D-galactopyranoside is mainly used as a substrate for β -D-galactosidase (β -galactosidase) to test the activity of the enzyme.
Storage	Store at -20°C.



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