



Product Information

4-Trifluoromethylumbelliferyl β -D-galactopyranoside

Cat. No.: X24-11-LY062

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

MDL: MFCD00064056

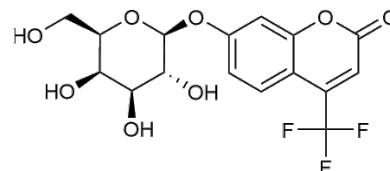
CAS Number: 117153-55-6

Compound CID: 10318328

Synonym: 117153-55-6; TFMU- β -Gal; 4-(Trifluoromethyl)umbelliferyl-beta-d-galactopyranoside;

4-(Trifluoromethyl)-7-[(2*S*,3*R*,4*S*,5*R*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromen-2-one;
4-Trifluoromethylumbelliferyl β -D-galactopyranoside;
4-(trifluoromethyl)-7-[(2*S*,3*R*,4*S*,5*R*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-2*H*-chromen-2-one;
4-Trifluoromethylumbelliferyl beta-D-galactopyranoside

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



Product Information

Description	4-Trifluoromethylumbelliferyl β -D-galactopyranoside is a TFMC substrate and hydrolyzes at pH values between 5 and 8.
Molecular Weight	392.28
Molecular Formula	C ₁₆ H ₁₅ F ₃ O ₈
IUPAC Name	4-(Trifluoromethyl)-7-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxychromen-2-one
InChI	InChI=1S/C16H15F3O8/c17-16(18,19)8-4-11(21)26-9-3-6(1-2-7(8)9)25-15-14(24)13(23)12(22)10(5-20)27-15/h1-4,10,12-15,20,22-24H,5H2/t10-,12+,13+,14-,15-/m1/s1
InChI Key	WXZJYRMHQCZVKG-BGNCJLHMSA-N
SMILES string	C1=CC2=C(C=C1O[C@H]3[C@@H]([C@H]([C@H]([C@H](O3)CO)O)O)OC(=O)C=C2C(F)(F)F
Form	Powder
Purity	≥95%, determined by NMR.
Identity	Confirmed by NMR and FT-IR.
Boiling Point	572.80°C



Applications

4-Trifluoromethylumbelliferyl β -D-galactopyranoside can be used to detect the presence of β -glucuronidase and β -galactosidase in a variety of organisms.

Storage

store at -20°C.
