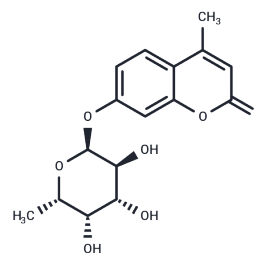


4-Methylumbelliferyl- α -L-Fucopyranoside

Chemical Properties

CAS No. :	54322-38-2
Formula:	C ₁₆ H ₁₈ O ₇
Molecular Weight:	322.30
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4-Methylumbelliferyl- α -L-fucopyranoside serves as a fluorogenic substrate for α -L-fucosidase, releasing 4-methylumbelliferone (4-MU) upon enzymatic cleavage by the enzyme. The fluorescence of 4-MU, with excitation/emission maxima at 350/440 nm, respectively, allows for the quantification of α -L-fucosidase activity.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMF: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1027 mL	15.5135 mL	31.027 mL
5 mM	0.6205 mL	3.1027 mL	6.2054 mL
10 mM	0.3103 mL	1.5513 mL	3.1027 mL
50 mM	0.0621 mL	0.3103 mL	0.6205 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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