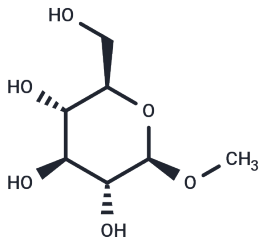
Data Sheet (Cat.No.T19422)

TargetMol

Methyl β-D-glucopyranoside

Chemical Properties



CAS No. : 709-50-2

Formula: C7H14O6

Molecular Weight: 194.18

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Methyl β-D-glucopyranoside (Methyl β-D-glucoside) is the major compound in the leaf blade of the alpine herb Geum montanum L. It biotransforms glucosides from Pichia etchellsii to higher chain alkyl glucosides via cell-bound β-glucosidase.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 180 mg/mL (926.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1499 mL	25.7493 mL	51.4986 mL
5 mM	1.030 mL	5.1499 mL	10.2997 mL
10 mM	0.515 mL	2.5749 mL	5.1499 mL
50 mM	0.103 mL	0.515 mL	1.030 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.

Reference

Chyba A, et al. Effective enzymatic caffeoylation of natural glucopyranosides. Bioorg Med Chem Lett. 2016 Mar 15; 26(6):1567-1570.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481