

β -D-Fructose

Chemical Properties

CAS No. : 53188-23-1

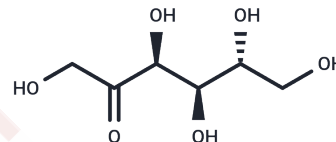
Formula: C₆H₁₂O₆

Molecular Weight: 180.16

Keep away from moisture

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	β -D-Fructose (beta-D-fructofuranose) is used as a sweetness enhancer and is produced by the hydrolysis of sucrose.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility H₂O: 120 mg/mL (666.07 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5506 mL	27.7531 mL	55.5062 mL
5 mM	1.1101 mL	5.5506 mL	11.1012 mL
10 mM	0.5551 mL	2.7753 mL	5.5506 mL
50 mM	0.111 mL	0.5551 mL	1.1101 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

Carreiro EP, et al. Novel hydroxyamides and amides containing D-glucopyranose or D-fructose units: Biological assays in MCF-7 and MDST8 cell lines. Bioorg Med Chem Lett. 2016 Feb 1;26(3):1039-1043.

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