

D-Xylulose

Chemical Properties

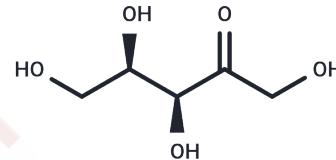
CAS No. : 551-84-8

Formula: C₅H₁₀O₅

Molecular Weight: 150.13

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	D-Xylulose is converted from xylitol by the enzyme NAD ⁺ -linked xylitol dehydrogenase in the glucuronate pathway, the most important xylitol-handling metabolic pathway in mammals.
Targets(IC50)	Endogenous Metabolite

Solubility Information

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

	1mg	5mg	10mg
1 mM	6.6609 mL	33.3045 mL	66.6089 mL
5 mM	1.3322 mL	6.6609 mL	13.3218 mL
10 mM	0.6661 mL	3.3304 mL	6.6609 mL
50 mM	0.1332 mL	0.6661 mL	1.3322 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

Jojanneke H J Huck, et al. Evaluation of Pentitol Metabolism in Mammalian Tissues Provides New Insight Into Disorders of Human Sugar Metabolism. Mol Genet Metab. Jul 2004. 82 (3), 231-7.

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