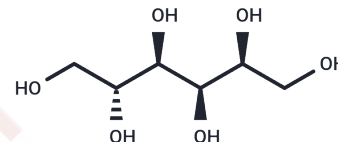


D-Sorbitol

Chemical Properties

CAS No. :	50-70-4
Formula:	C ₆ H ₁₄ O ₆
Molecular Weight:	182.17
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	D-Sorbitol (Sorbitol) is a polyhydric alcohol with about half the sweetness of sucrose, occurring naturally and also produced synthetically from glucose. Formerly used as a diuretic, it may still be used as a laxative and in irrigating solutions for certain surgical procedures. It is also utilized in various manufacturing processes, as a pharmaceutical aid, and in several research applications.
Targets(IC50)	Endogenous Metabolite,Antibacterial

Solubility Information

Solubility	H ₂ O: 100 mg/mL (548.94 mM),Sonication is recommended. DMSO: 255 mg/mL (1399.79 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (27.45 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4894 mL	27.4469 mL	54.8938 mL
5 mM	1.0979 mL	5.4894 mL	10.9788 mL
10 mM	0.5489 mL	2.7447 mL	5.4894 mL
50 mM	0.1098 mL	0.5489 mL	1.0979 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

Kim JH, et al. Appl Biochem Biotechnol. 2015 Mar 27.

Shang Z, Zhang S, Wang J, et al. TRIM25 predominately associates with anti-viral stress granules. Nature Communications. 2024, 15(1): 4127.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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