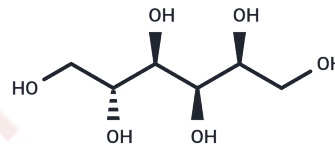


## D-Sorbitol

## Chemical Properties

CAS No. :	50-70-4
Formula:	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>
Molecular Weight:	182.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## 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

## Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (548.94 mM),Sonication is recommended. DMSO: 60 mg/mL (329.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## 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.

## 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.

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