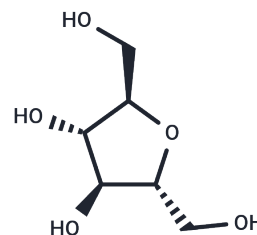


2,5-Anhydro-D-mannitol

Chemical Properties

CAS No. :	41107-82-8
Formula:	C ₆ H ₁₂ O ₅
Molecular Weight:	164.16
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	2,5-Anhydro-D-mannitol is an antimetabolic fructose analogue that increases food intake in rats at doses of 50-800 mg/kg by inhibiting gluconeogenesis and glycogenolysis in the liver.. It is phosphorylated in the liver, which decreases available ATP and signals eating behavior in rats through a vagal nerve mechanism.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 30 mg/mL (182.75 mM),Sonication is recommended. Ethanol: 5 mg/mL (30.46 mM),Sonication is recommended. DMF: 25 mg/mL (152.29 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (60.92 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	6.0916 mL	30.4581 mL	60.9162 mL
5 mM	1.2183 mL	6.0916 mL	12.1832 mL
10 mM	0.6092 mL	3.0458 mL	6.0916 mL
50 mM	0.1218 mL	0.6092 mL	1.2183 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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