## Data Sheet (Cat.No.T37783)



## 2,5-Anhydro-D-mannitol

Chemical Propert	ies
CAS No. :	41107-82-8
Formula:	С6Н12О5
Molecular Weight:	164.16
Appearance: 🦲	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year

## **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.

Solubility Infor	mation		
Solubility		DMSO: 30 mg/mL	
		Ethanol: 5 mg/mL	
		DMF: 25 mg/mL	
		PBS (pH 7.2): 10 mg/mL	
		(< 1 mg/ml refers to the product slightly soluble or insoluble)	

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.

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:36 Washington Street,Wellesley Hills,MA 02481