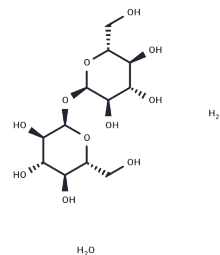


D-(+)-Trehalose dihydrate

Chemical Properties

CAS No. :	6138-23-4
Formula:	C ₁₂ H ₂₆ O ₁₃
Molecular Weight:	378.33
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-(+)-Trehalose dihydrate (α,α -Trehalose dihydrate) is a natural α -linked disaccharide formed by an α, α -1, 1-glucoside bond between two α -glucose units.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 142 mg/mL (375.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6432 mL	13.216 mL	26.432 mL
5 mM	0.5286 mL	2.6432 mL	5.2864 mL
10 mM	0.2643 mL	1.3216 mL	2.6432 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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

Sapir L, Harries D. J Phys Chem B. 2011 Feb 3;115(4):624-34.

Gao Z, He Y, He Q, et al. Multidimensional identification of disaccharide isomers based on non-covalent complexes and tandem mass spectrometry. Talanta. 2022: 123674

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