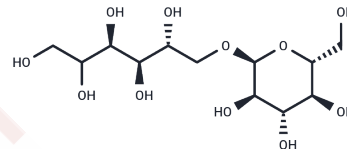


Isomalt

Chemical Properties

CAS No. :	64519-82-0
Formula:	C ₁₂ H ₂₄ O ₁₁
Molecular Weight:	344.31
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	Isomalt (Palatinitol) is a mixture of 1,6-mannitol glucopyranoside and 1,6-sorbitol glucopyranoside
Targets(IC50)	Dehydrogenase

Solubility Information

Solubility	DMSO: 12 mg/mL (34.85 mM),Sonication is recommended. H ₂ O: 250 mg/mL (726.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9044 mL	14.5218 mL	29.0436 mL
5 mM	0.5809 mL	2.9044 mL	5.8087 mL
10 mM	0.2904 mL	1.4522 mL	2.9044 mL
50 mM	0.0581 mL	0.2904 mL	0.5809 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

Siebert G , Grupp U . [Metabolic behavior of disaccharide alcohols and related substances][J]. Deutsche Zahnrtzliche Ztschrift, 1977, 32(5 Suppl 1):S36-42.

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