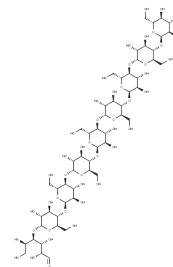


Maltonaose

Chemical Properties

CAS No. :	6471-60-9
Formula:	C ₅₄ H ₉₂ O ₄₆
Molecular Weight:	1477.29
Storage:	Keep away from direct sunlight 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	Maltonaose is a linear oligosaccharide consisting of 9 glucose units linked by α -1,4-glycosidic bonds. It is commonly used as a substrate for starch-hydrolyzing enzymes such as glucoamylase, for studying enzyme subsite binding characteristics and activity determination.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 60 mg/mL (40.61 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	0.6769 mL	3.3846 mL	6.7692 mL
5 mM	0.1354 mL	0.6769 mL	1.3538 mL
10 mM	0.0677 mL	0.3385 mL	0.6769 mL
50 mM	0.0135 mL	0.0677 mL	0.1354 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

ERMER J, et al. Subsite affinities of *Aspergillus niger* glucoamylase II determined with p-nitrophenylmaltooligosaccharides[J]. 1993.

Tran P L, et al. One-step synthesis of glycogen-type polysaccharides from maltooctaose and its structural characteristics[J]. *Carbohydrate Polymers*, 2022, 284: 119175.

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