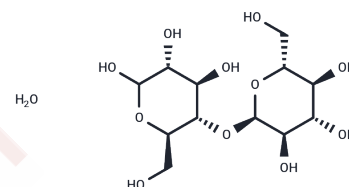


## Maltose monohydrate

### Chemical Properties

CAS No. : 6363-53-7  
 Formula: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>·H<sub>2</sub>O  
 Molecular Weight: 360.31  
 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	D-(+)-Maltose monohydrate (D-(+)-Maltose monohydrate), a dextrodisaccharide from starch and malt, is used as a fermentable intermediate and sweetening agent in brewing.
Targets(IC50)	Endogenous Metabolite

### Solubility Information

Solubility	H <sub>2</sub> O: 122.5 mg/mL (339.99 mM), Sonication and heating are recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7754 mL	13.8769 mL	27.7539 mL
5 mM	0.5551 mL	2.7754 mL	5.5508 mL
10 mM	0.2775 mL	1.3877 mL	2.7754 mL
50 mM	0.0555 mL	0.2775 mL	0.5551 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

Sugawara K, et al. Anal Chim Acta. 2014 Mar 3;814:55-62.

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