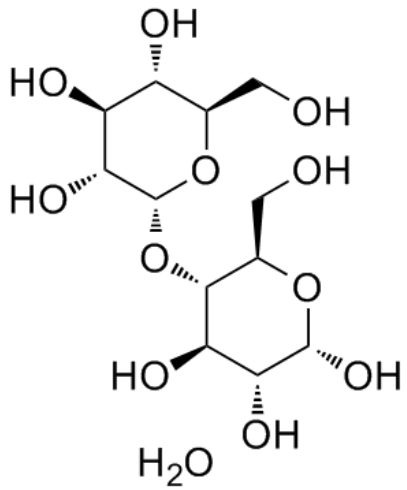
Product Data Sheet

Product Name: Maltose monohydrate
Cat. No.: GC30196

Chemical Properties

Cas. No.	6363-53-7		
SMILES	O[C@H]1[C@H](O)[C@@H](O)[C@@H](O[C@H]2[C@H](O)[C@@H](O)[C@@H](O)O[C@@H]2CO)O[C@@H]1CO.O		
Formula	$C_{12}H_{24}O_{12}$	M.Wt	360.31
Solubility	Water : 100 mg/mL (277.54 mM)	Storage	Store at -20°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Maltose monohydrate is the energy source for bacteria.

[1]. Namavari M, et al. Synthesis of [1?F]-labelled maltose derivatives as PET tracers for imaging bacterial infection. Mol Imaging Biol. 2015 Apr;17(2):168-76.

Caution: Product has not been fully validated for medical applications. For research use only.
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