

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)[C@@H]2CO)O[C@@H]1CO.O

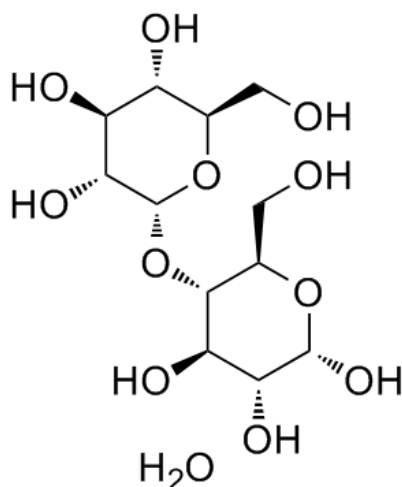
Formula $C_{12}H_{24}O_{12}$ M.Wt 360.31

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 [^{18}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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