

Product Data Sheet

Product Name: Trehalose

Cat. No.: GC10312

Chemical Properties

Cas. No. 99-20-7

Chemical Name (2R,2'R,3S,3'S,4S,4'S,5R,5'R,6R,6'R)-6,6'-oxybis(2-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol)

SMILES OC[C@]1([H])[C@](O)([H])[C@@](O)([H])[C@](O)([H])[C@](O[C@]2([H])[C@@](O)([H])[C@](O)([H])[C@@](O)([H])[C@@](O2)([H])CO)([H])O1

Formula C₁₂H₂₂O₁₁

M.Wt 342.3

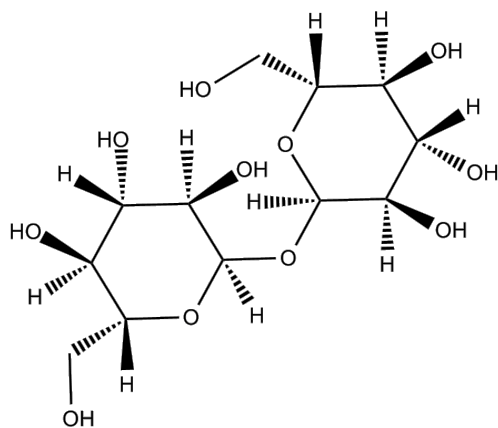
Solubility ≥ 34.2mg/mL in Water

Storage Store at -20°C

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

D-(+)-Trehalose, isolated from *Saccharomyces cerevisiae*, can be used as a food ingredient and pharmaceutical excipient.

References:

[1]. Megarry AJ, et al. Amorphous trehalose dihydrate by cryogenic milling. *Carbohydr Res.* 2011 Jun

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

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1;346(8):1061-4.

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