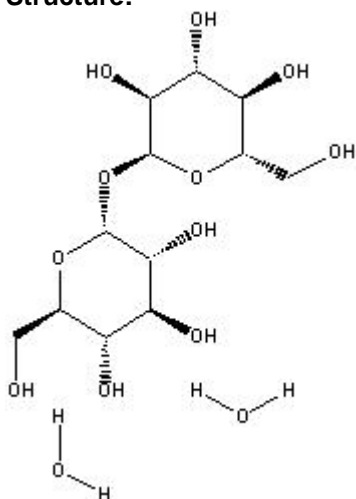


TECHNICAL INFORMATION

Catalog Number: 103097, 153948, 194756

D-(+)-Trehalose Dihydrate

Structure:



Molecular Formula: C₁₂H₂₂O₁₁·2H₂O

Molecular Weight: 378.3

CAS #: 6138-23-4

Synonyms: α,α-Trehalose; 1-O-α-D-Glucopyranosyl-α-D-glucopyranoside

Physical Description: White crystalline powder

Solubility: Soluble in water (50 mg/ml - clear, colorless solution) or hot alcohol.

Note: Trehalose does not reduce Fehling's solution; it is fermented by yeast; it is not split by alpha-glucosidase; acid hydrolysis gives 2 mols D-glucose.¹

Availability:

Catalog Number	Description	Size
103097	D-(+)-Trehalose, dihydrate, purity not less than 98%	5 g 10 g 25 g 100 g 1 kg
153948	D-(+)-Trehalose, dihydrate, purity not less than 99%	5 g 10 g 50 g
194756	D-(+)-Trehalose, dihydrate, purity not less than 99%, cell culture reagent	5 g 10 g 25 g 100 g

References:

- Merck Index, 12th Ed., No. 9713.
- Payen, R., *Can. J. Res.*, v. 27B, 749 (1949).