

Product Name: D-Trehalose, 99%, anhydrous
Catalog Number: 309870250

CAS Number: 99-20-7
IUPAC Name: (2R,3S,4S,5R,6R)-2-(hydroxymethyl)-6-[[[(2R,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]oxane-3,4,5-triol
Molecular Formula: C₁₂H₂₂O₁₁
Molecular Weight: 342.30
MDL Number: MFCD00006628
InChI Key: HDTRYLNUVZCQOY-LBYRQFQKNA-N
SMILES: OC[C@H]1O[C@H](O[C@H]2O[C@H](CO)[C@@H](O)[C@H](O)[C@H]2O)[C@H](O)[C@@H](O)[C@@H]1O
Synonym: α,α'-trehalose

Product Specification

Appearance (Color): White to almost white
Appearance (Form): Crystalline powder
Infrared spectrum: Conforms
HPLC: ≥98.5 %
Water: ≤1.0 % (K.F.)
Specific optical rotation: +194° to +200° (20°C, 589 nm) (c=7, water)
Solubility: (10 % in water) Clear colorless to light yellow

Date Of Print: 09/04/2024

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.