

**1. Identification**Catalogue Number

D456400

Lot Number

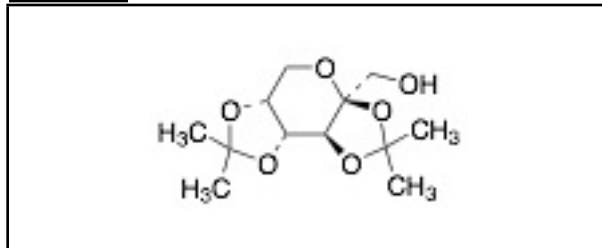
712266234-1-1

Product Name

2,3:4,5-Di-O-isopropylidene-b-D-fructopyranose

Synonyms

D-Fructopyranose Diacetone, Diacetone Fructose; USP Topiramate Related Compound A

StructureCAS Number

20880-92-6

Solubility

Chloroform (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC<sub>12</sub>H<sub>20</sub>O<sub>6</sub>Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

260.29

Purity

&gt;95%

**2. Warnings**

Not Determined

**3. Analytical Information**Tests

Appearance

Specifications

White to Off-White Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 55.65, %H: 7.67

GC Purity

&gt;95%

100.00%

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-29.4° (c = 0.3, Water)

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed.  
The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

**4. Signatures**Reviewed by

R. Swathi

Reviewed by

Toni Rantanen

C of A Approved by

Chanell Chu

Test Date

7/24/2025

Retest Date

7/22/2029

Swathi Reddy

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Quality Assurance Associate