

[Jump to Website](#)

[Request Quote](#)

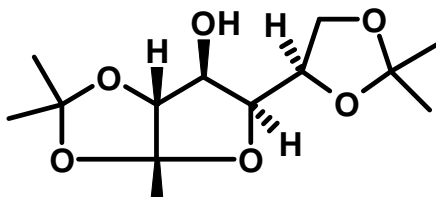
## Product Specifications

### **Diacetone-D-glucose**

**CAS** 582-52-5

**Syn:** 1,2:5,6-Di-O-isopropylidene- $\alpha$ -D-glucofuranose;  
(-)-1,2:5,6-Di-O-isopropylidene- $\alpha$ -D-glucofuranose;  
1,2:5,6-Di-O-isopropylidene- $\alpha$ -D-glucofuranose;  
1,2:5,6-Di-O-isopropylidene- $\alpha$ -D-glucose;  
1,2:5,6-Diisopropylidene- $\alpha$ -D-glucofuranose;  
1,2:5,6-Diisopropylidene-D-glucose; Glucose Bisacetone;  
Di-O-isopropylidene- $\alpha$ -D-glucofuranose; 1,2:5,6-Di-O-isopropylidene-D-glucose;  
Di-O-isopropylidene-1,2:5,6- $\alpha$ -D-glucofuranose;  
Diacetone glucose; Diisopropylidene- $\alpha$ -D-glucose

**Structure:**



**Mol. Formula**

$C_{12}H_{20}O_6$

**Mol. Wt.**

260.28

**Source**

*Synthetic*

---

---

<i>Test</i>	<i>Specification</i>
-------------	----------------------

<b>Appearance</b>	White, microcrystalline solid
<b>TLC</b>	Single spot
<b>Mp</b>	109-113 °C [Lit.]
<b>Assay (hplc)</b>	> 99 %
<b>Sp. Rot., <math>[\alpha]_D</math></b>	-18° [ $c = 2, H_2O$ ]
<b>LOD</b>	< 1%
<b>Ash (residue on ignition)</b>	< 0.1%
<b>Heavy metals</b>	< 10 ppm

---

**Storage:** Maintain in cool, dry containment.