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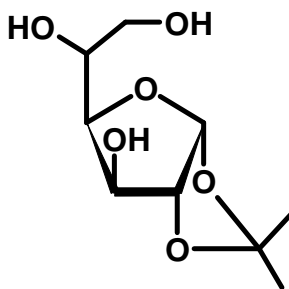
## Product Specifications

### **1,2-O-Isopropylidene- $\alpha$ -D-glucofuranose**

**CAS** 18549-40-1

**Syn:** Monoacetone Glucose; Glucose Monoacetone

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>9</sub>H<sub>16</sub>O<sub>6</sub>**  
*Synthetic*

**Mol. Wt.**

220.22

<i>Test</i>	<i>Specification</i>
<b>Identity</b>	IR
<b>Appearance</b>	White, microcrystalline solid
<b>Mp</b>	157-162 °C
<b>Assay (hplc)</b>	> 98 %
<b>LOD</b>	< 1%
<b>TLC</b>	Single Spot
<b>Sp. Rot., [<math>\alpha</math>]<sub>D</sub></b>	- 11° to -13° [c = 1 in H <sub>2</sub> O]
<b>Ash (residue on ignition)</b>	< 0.2%
<b>Heavy Metals</b>	< 10 ppm

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