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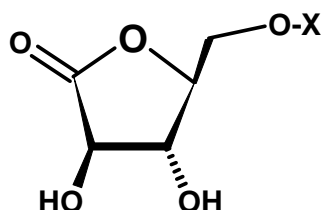
## Product Specifications

### **L-Arabinono-1,4-lactone**

**CAS** 51532-86-6

**Syn:** L-Arabinonic Acid,  $\gamma$ -lactone; L-Arabinonolactone

**Structure:**



**X = H** (L-Arabinono-1,4-lactone)

**X = Ph<sub>3</sub>C** (5-O-Trityl-L-arabinono-1,4-lactone)

**X = TBDPS** (5-O-tert-Butyldiphenylsilyl-L-arabinono-1,4-lactone)

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

**C<sub>5</sub>H<sub>8</sub>O<sub>5</sub> (X=H)**  
*Synthetic*

**Mol. Wt.**

118.09

<i>Test</i>	<i>Specification</i>
<b>Identity</b>	IR, H-NMR
<b>Appearance</b>	White to off-white solid
<b>Mp</b>	X = H; 98-100 °C, 110-112 °C X = Trityl; N/A X = TBDPS; N/A
<b>Assay (hplc)</b>	> 98%
<b>Sp. Rot., [<math>\alpha</math>]<sub>D</sub></b>	X = H; N/A X = Trityl; N/A
<b>Ash (residue on ignition)</b>	< 0.2%
<b>Heavy metals</b>	< 10 ppm

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