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**Product Data Sheet**

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Product Name: L-Gulono-1,4-lactone

Cat. No.: GC31419

**Chemical Properties**

Cas. No. 1128-23-0

SMILES O=C1O[C@H]([C@@H](O)CO)[C@H](O)[C@@H]1OFormula  $C_6H_{10}O_6$  M.Wt 178.14

Solubility Water : 50 mg/mL (280.68 mM) Storage Store at 2-8°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

L-Gulono-1,4-lactone (L-Gulonolactone, L-Gulono-gamma-lactone, reduced ascorbic acid) is the substrate of the enzyme L-gulono-1,4-lactone oxidoreductase, which catalyzes the last step of the biosynthesis of L-ascorbic acid (vitamin C) in plants and animals.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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