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**Product Data Sheet**

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Product Name: 1,4-D-Gulonolactone

Cat. No.: GC62755

**Chemical Properties**

Cas. No. 6322-07-2

Formula  $C_6H_{10}O_6$ 

M.Wt 178.14

Solubility  $H_2O$  : 250 mg/mL (1403.39 mM; ultrasonic and warming and heat to 60°C)

Storage Store at -20°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**

D-Gulono-1,4-lactone is a hexanoic acid used as a starting material in enantiomerically pure compound syntheses, including carbohydrate syntheses.<sup>1,2</sup>

1. Crawford, T.C. Process for preparing 3,5:4,6- protected derivatives of L- or D- gulonic acid, their use in preparing 2- keto-L- or D- gulonic acid or their esters or L- or D- ascorbic acid, and certain novel 2-nitrato-gulonate intermediates(1979) 2. Hajkó, J., Lipták, A., and Pozsgay, V. Synthesis of L-glucose from D-gulono-1,4-lactone Carbohydr. Res. 321(1-2)116-120(1999)

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

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