



LKT Laboratories, Inc.

Glucaric Acid Calcium Tetrahydrate

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Product Information

Product ID G4518

CAS No. 5793-89-5

Chemical Name

Synonym D-Glucaric acid, calcium salt, D-Saccharic acid, calcium salt, Calcium D-glucarate

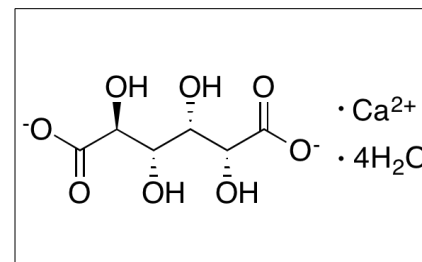
Formula $C_6H_8O_8Ca \cdot 4H_2O$

Formula Wt. 320.3

Melting Point >250°C

Purity ≥98%

Solubility Insoluble in water.



Bulk quantities available upon request

Product ID	Size
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G4518	25 g
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G4518	100 g
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Store Temp Ambient

Ship Temp Ambient

Description Glucaric acid is the oxidized, non-cyclic form of a hexose sugar such as glucose. Glucaric acid derivatives exhibit anticancer chemotherapeutic and chemopreventive activities.

References Shiue E, Prather KL. Improving D-glucaric acid production from myo-inositol in E. coli by increasing MIOX stability and myo-inositol transport. *Metab Eng.* 2014 Mar;22:22-31. PMID: 24333274.

Smith TN, Hash K, Davey CL, et al. Modifications in the nitric acid oxidation of D-glucose. *Carbohydr Res.* 2012 Mar 1;350:6-13. PMID: 22285512.

Bespalov VG, Aleksandrov VA. Anticarcinogenic effect of potassium salts of glucaric and glucuronic acid in induced models of cervical and esophageal tumors. *Vopr Onkol.* 2012;58(4):537-40. PMID: 23607211.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.