

Product Information

Product ID A7210
CAS No. 50-81-7
Chemical Name

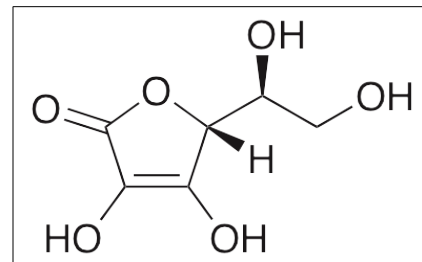
Synonym Ascorbic acid, , Vitamin C, Cantan, Cecon, Celin, Cevalin, Cewin, Hybrin, Lemascorb, Ribena, Vitacin

Formula C₆H₈O₆
Formula Wt. 176.12
Melting Point 190-192 °C
Purity ≥98%

Solubility Soluble in water (330 mg/mL), ethanol (25 mg/mL). Insoluble in ether, chloroform, benzene, or acetone.

Store Temp Ambient
Ship Temp Ambient

Description L-Ascorbic acid is a vitamin C compound that can be found in many food and plant sources. L-Ascorbic acid exhibits antioxidative benefit and reducing activity; in vitro, it can act as a prolyl hydroxylase cofactor.



Bulk quantities available upon request

Product ID	Size
A7210	10 g
A7210	100 g
A7210	500 g

References Amaya I, Osorio S, Martinez-Ferri E, et al. Increased antioxidant capacity in tomato by ectopic expression of the strawberry D-galacturonate reductase gene. *Biotechnol J.* 2014 Aug 21. [Epub ahead of print]. PMID: 25143316.

Kotchey GP, Gaugler JA, Kapralov AA, et al. Effect of antioxidants on enzyme-catalysed biodegradation of carbon nanotubes. *J Mater Chem B Mater Biol Med.* 2013;1(3):302-309. PMID: 23626907.

Crescini E, Gualandi L, Uberti D, et al. Ascorbic acid rescues cardiomyocyte development in Fgfr1(-/-) murine embryonic stem cells. *Biochim Biophys Acta.* 2013 Jan;1833(1):140-7. PMID: 22735182.

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