

Product Data Sheet

Product Name: Ascorbic acid (Standard)

Cat. No.: GC12070

Chemical Properties

Cas. No. 50-81-7

Chemical Name (2R)-2-[(1S)-1,2-dihydroxyethyl]-3,4-dihydroxy-2H-furan-5-one

SMILES C(C(C1C(=C(C(=O)O1)O)O)O)O

Formula $C_6H_8O_6$ M.Wt 176.12

Solubility DMF: 12.5 mg/ml, DMSO: 10 mg/ml, PBS (pH 7.2): 3.3 mg/ml, Water: 10 mg/ml
Storage 4°C, protect from light

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.

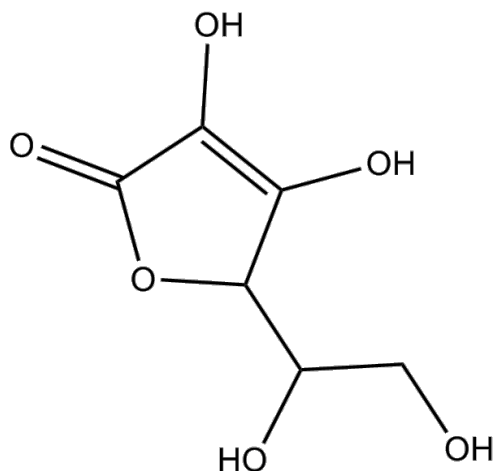
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

L-Ascorbic acid is an effective reducing agent and donor antioxidant.

References:

[1]. Lachapelle MY, et al. Inactivation dates of the human and guinea pig vitamin C genes. *Genetica*. 2011 Feb;139(2):199-207.

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