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.
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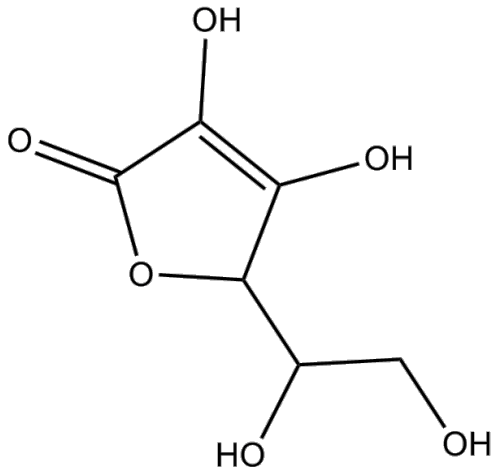
Structure



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.