

Product Data Sheet

Product Name: 2-O- α -D-Glucopyranosyl-L-ascorbic Acid

Cat. No.: GC35093

Chemical Properties

Cas. No. 129499-78-1

SMILES OC([C@H](O1)[C@H](CO)O)=C(O[C@@H]2[C@@H]([C@H]([C@@H]([C@@H](CO)O2)O)O)O)C1=O

Formula $C_{12}H_{18}O_{11}$ M.Wt 338.26

Solubility DMSO: 1 mg/ml, PBS (pH 7.2): 1 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.

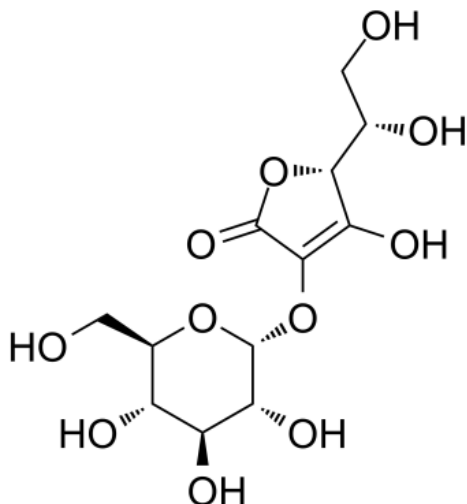
Caution: Product has not been fully validated for medical applications. For research use only.

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

2-O-α-D-Glucopyranosyl-L-ascorbic Acid is a glucoside derivative of ascorbic acid, shows anti-cancer activity after enzymatic hydrolysis to ascorbic acid[1].

[1]. Miura K, et al. 2-O-α-D-Glucopyranosyl-L-ascorbic acid as an antitumor agent for infusion therapy. Biochem Biophys Res. 2017 Apr 22;10:232-236.

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