

Product Data Sheet

Product Name: 2-O-β-D-Glucopyranosyl-L-ascorbic acid

Cat. No.: GC35094

Chemical Properties

Cas. No. 562043-82-7

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 C₁₂H₁₈O₁₁ 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.

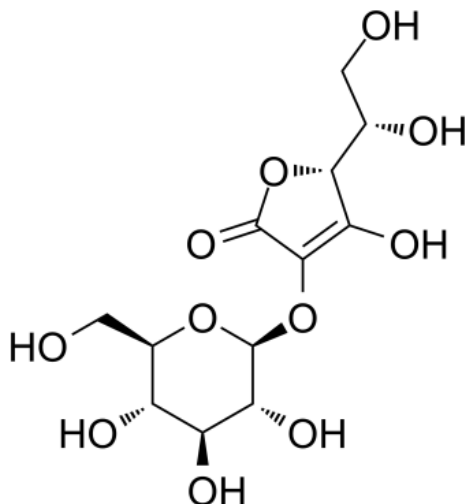
Caution: Product has not been fully validated for medical applications. For research use only.

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-β-D-Glucopyranosyl-L-ascorbic acid (AA-2βG), isolated from Lycium Fruit, is a stable vitamin C analog with anti-tumor activity[1].

[1]. Zhang Z, et al. Selective suppression of cervical cancer Hela cells by 2-O-β-D-glucopyranosyl-L-ascorbic acid isolated from the fruit of Lycium barbarum L. Cell Biol Toxicol. 2011 Apr;27(2):107-21.

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