

Product Data Sheet

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

Cat. No.: GC72024

Chemical Properties

Cas. No. 562043-82-7

Formula C₁₂H₁₈O₁₁

M.Wt 338.26

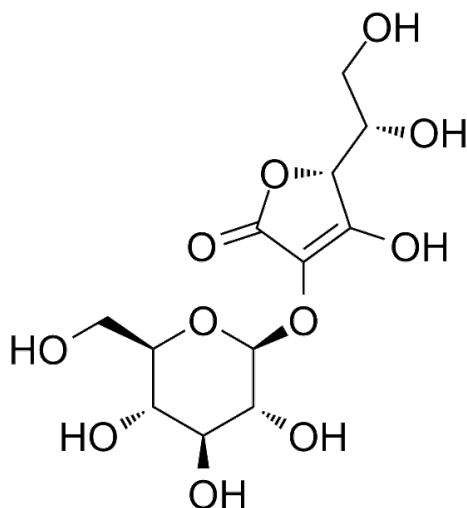
Solubility H₂O : ≥ 250 mg/mL (739.08 mM)

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.

Structure



Background

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

References:

[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.

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

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