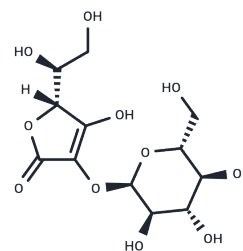


2-O- α -D-Glucopyranosyl-L-ascorbic Acid

Chemical Properties

CAS No. :	129499-78-1
Formula:	C ₁₂ H ₁₈ O ₁₁
Molecular Weight:	338.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	2-O- α -D-Glucopyranosyl-L-ascorbic Acid (ASCORBYL GLUCOSIDE), a glucoside derivative of ascorbic acid, demonstrates anti-cancer activity following enzymatic hydrolysis to ascorbic acid.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 27.5 mg/mL (81.3 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9563 mL	14.7815 mL	29.5631 mL
5 mM	0.5913 mL	2.9563 mL	5.9126 mL
10 mM	0.2956 mL	1.4782 mL	2.9563 mL
50 mM	0.0591 mL	0.2956 mL	0.5913 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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

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