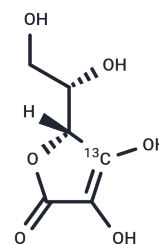


L-Ascorbic acid-13C-2

Chemical Properties

CAS No. : 1313730-17-4
 Formula: C₆H₈O₆
 Molecular Weight: 177.12
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	L-Ascorbic acid-13C-2 is a 13C-labeled form of L-Ascorbic acid. L-Ascorbic acid (T0928) (L-Ascorbate) acts as an electron donor and serves as an endogenous antioxidant. It selectively inhibits Cav3.2 channels (Cav3.2 channels) with an IC ₅₀ of 6.5 μM and also functions as a promoter of collagen deposition and an inhibitor of elastin production.
Targets(IC50)	Apoptosis, Calcium Channel, Reactive Oxygen Species, Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6459 mL	28.2294 mL	56.4589 mL
5 mM	1.1292 mL	5.6459 mL	11.2918 mL
10 mM	0.5646 mL	2.8229 mL	5.6459 mL
50 mM	0.1129 mL	0.5646 mL	1.1292 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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