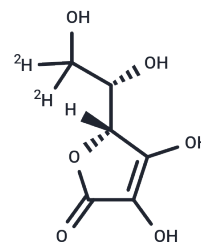


L-Ascorbic acid-D2

Chemical Properties

CAS No. :	82977-10-4
Formula:	C ₆ H ₈ O ₆
Molecular Weight:	178.14
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	L-Ascorbic acid-D2 is the deuterated form of L-Ascorbic acid. L-Ascorbic acid (T0928) (L-Ascorbate) acts as an electron donor and is an endogenous antioxidant. It selectively inhibits Cav3.2 channels (Cav3.2 channels) with an IC ₅₀ of 6.5 μM. Additionally, L-Ascorbic acid (T0928) serves 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	5.6136 mL	28.0678 mL	56.1356 mL
5 mM	1.1227 mL	5.6136 mL	11.2271 mL
10 mM	0.5614 mL	2.8068 mL	5.6136 mL
50 mM	0.1123 mL	0.5614 mL	1.1227 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481