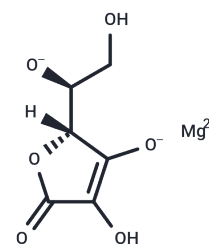


## L-Ascorbic acid magnesium

### Chemical Properties

CAS No. : 15431-40-0  
 Formula: C<sub>6</sub>H<sub>6</sub>MgO<sub>6</sub>  
 Molecular Weight: 198.41  
 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 (L-Ascorbate) magnesium is an electron donor and an endogenous antioxidant. It selectively inhibits Cav3.2 channels with an IC <sub>50</sub> of 6.5 μM. Additionally, L-Ascorbic acid promotes collagen deposition and inhibits elastin production. It also exhibits anticancer effects by generating reactive oxygen species (ROS) and selectively damaging cancer cells.
Targets(IC50)	Apoptosis, Calcium Channel, Endogenous Metabolite, ROS

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0401 mL	25.2003 mL	50.4007 mL
5 mM	1.008 mL	5.0401 mL	10.0801 mL
10 mM	0.504 mL	2.520 mL	5.0401 mL
50 mM	0.1008 mL	0.504 mL	1.008 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.

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