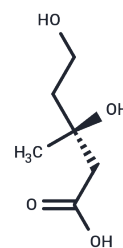


L-Mevalonic acid

Chemical Properties

CAS No. :	32451-23-3
Formula:	C ₆ H ₁₂ O ₄
Molecular Weight:	148.16
Storage:	Store at low temperature 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-Mevalonic acid ((S)-Mevalonic acid), a distant precursor of cholesterol, is a metabolite of the mevalonic acid pathway and is used in the study of autoimmune diseases, atherosclerosis and Alzheimer's disease.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7495 mL	33.7473 mL	67.4946 mL
5 mM	1.3499 mL	6.7495 mL	13.4989 mL
10 mM	0.6749 mL	3.3747 mL	6.7495 mL
50 mM	0.135 mL	0.6749 mL	1.3499 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.

Reference

- Lindenthal B, et al. Urinary excretion and serum concentration of mevalonic acid during acute intake of alcohol. *Metabolism*. 2000 Jan;49(1):62-6
- Cooper CZ, et al. Mevalonic acid kinase in *Euglena gracilis*. *Plant Physiol*. 1967 Apr;42(4):515-9.
- Iwama A, et al. Effect of lovastatin and fluoromevalonate on phosphatidylinositol 3-kinase activity stimulated with PDGF. *Clin Exp Pharmacol Physiol Suppl*. 1995 Dec;22(1):S318-20.
- Choi M, et al. Extracellular signal-regulated kinase inhibition by statins inhibits neutrophil activation by ANCA. *Kidney Int*. 2003 Jan;63(1):96-106.

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