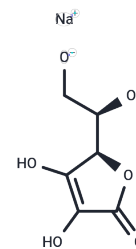


Sodium erythorbate

Chemical Properties

CAS No. :	6381-77-7
Formula:	C ₆ H ₇ NaO ₆
Molecular Weight:	198.11
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	Sodium erythorbate (Eribate N) is used as an antioxidant and preservative.
Targets(IC50)	Antioxidant,Antibacterial

Solubility Information

Solubility	DMSO: 6.88 mg/mL (34.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (5.05 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0477 mL	25.2385 mL	50.477 mL
5 mM	1.0095 mL	5.0477 mL	10.0954 mL
10 mM	0.5048 mL	2.5239 mL	5.0477 mL
50 mM	0.101 mL	0.5048 mL	1.0095 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

Karpińska-Tymoszczyk M. J Food Sci Technol. 2013 Jun;50(3):443-54.

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