

DL-Tartaric acid

Chemical Properties

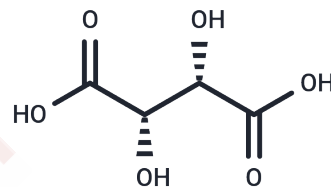
CAS No. : 133-37-9

Formula: C₄H₆O₆

Molecular Weight: 150.09

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	DL-Tartaric acid is a non-racemic mixture of L- and D-tartaric acid with antioxidant activity. By activating the AMP-activated protein kinase signaling pathway, it improves experimental non-alcoholic fatty liver disease.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (533.01 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: 3.3 mg/mL (21.99 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	6.6627 mL	33.3133 mL	66.6267 mL
5 mM	1.3325 mL	6.6627 mL	13.3253 mL
10 mM	0.6663 mL	3.3313 mL	6.6627 mL
50 mM	0.1333 mL	0.6663 mL	1.3325 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

Ibert M, et al. Determination of the side-products formed during the nitroxide-mediated bleach oxidation of glucose to glucaric acid. Carbohydr Res. 2002 Jun 5;337(11):1059-63.

Mokoena Emma M, et al. A systematic study of the use of DL-tartaric acid in the synthesis of silica materials obtained by the sol-gel method. Journal of sol-gel science and technology 28 (2003): 307-317.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481