

Aconitic Acid

Chemical Properties

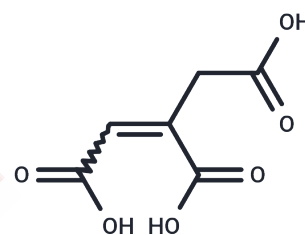
CAS No. : 499-12-7

Formula: C₆H₆O₆

Molecular Weight: 174.11

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	Aconitic acid is an organic acid.
Targets(IC50)	Others,Antifungal

Solubility Information

Solubility	DMSO: 25 mg/mL (143.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--------------------------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7435 mL	28.7175 mL	57.435 mL
5 mM	1.1487 mL	5.7435 mL	11.487 mL
10 mM	0.5743 mL	2.8717 mL	5.7435 mL
50 mM	0.1149 mL	0.5743 mL	1.1487 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

Chen F , Lukat P , Iqbal A A , et al. Crystal structure of cis -aconitate decarboxylase reveals the impact of naturally occurring human mutations on itaconate synthesis[J]. Proceedings of the National Academy of sciences, 2019, 116 (41):201908770.

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