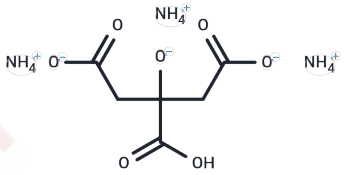
Data Sheet (Cat.No.T75312)

TargetMol

Citric Acid Triammonium

Chemical Properties



CAS No. : 3458-72-8

Formula: C6H17N3O7

Molecular Weight: 243.22

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	Citric Acid Triammonium (Triammonium citrate) is a metal chelating agent, acidity regulator, and buffer, widely applied in biochemical experiments and drug synthesis research.
Targets(IC50)	Apoptosis,Others,Endogenous Metabolite,Antibacterial

Solubility Information

Solubility	H2O: 80 mg/mL (328.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1115 mL	20.5575 mL	41.115 mL
5 mM	0.8223 mL	4.1115 mL	8.223 mL
10 mM	0.4112 mL	2.0558 mL	4.1115 mL
50 mM	0.0822 mL	0.4112 mL	0.8223 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

Zholobak NM, et al. Facile fabrication of luminescent organic dots by thermolysis of citric acid in urea melt, and their use for cell staining and polyelectrolyte microcapsule labelling. Beilstein J Nanotechnol. 2016 Dec 2;7:1905-1917.

Chang Q, et al. Full Color Fluorescent Carbon Quantum Dots Synthesized from Triammonium Citrate for Cell Imaging and White LEDs. Dyes and Pigments, 2021, 193(18):109478.

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