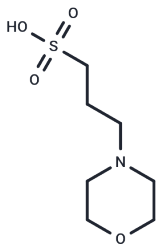
Data Sheet (Cat.No.T38509)

TargetMol

MOPS

Chemical Properties



CAS No. : 1132-61-2

Formula: C7H15NO4S

Molecular Weight: 209.26

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	MOPS (Morpholinopropane sulfonic acid), a widely employed biological buffering agent, effectively regulates the pH of mammalian cell culture media.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 200 mg/mL (955.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7787 mL	23.8937 mL	47.7874 mL
5 mM	0.9557 mL	4.7787 mL	9.5575 mL
10 mM	0.4779 mL	2.3894 mL	4.7787 mL
50 mM	0.0956 mL	0.4779 mL	0.9557 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

Steven D Carson, et al. MOPS and coxsackievirus B3 stability. Virology. 2017 Jan 15;501:183-187.
Juliane Schmidt, et al. Effect of Tris, MOPS, and phosphate buffers on the hydrolysis of polyethylene terephthalate films by polyester hydrolases. FEBS Open Bio. 2016 Jul 20;6(9):919-27.

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