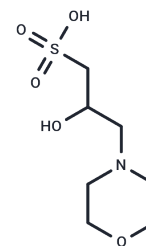


MOPSO

Chemical Properties

CAS No. :	68399-77-9
Formula:	C7H15NO5S
Molecular Weight:	225.26
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	MOPSO is an amphoteric ionic biological buffer with an effective pH range of 6.2 to 7.6, commonly used in cell culture, enzyme activity assays, and protein purification experiments.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 100 mg/mL (443.93 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4393 mL	22.1966 mL	44.3931 mL
5 mM	0.8879 mL	4.4393 mL	8.8786 mL
10 mM	0.4439 mL	2.2197 mL	4.4393 mL
50 mM	0.0888 mL	0.4439 mL	0.8879 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

Mohamed Taha, et al. Solubility and phase separation of 4-morpholinepropanesulfonic acid (MOPS), and 3-morpholino-2-hydroxypropanesulfonic acid (MOPSO) in aqueous 1,4-dioxane and ethanol solutions. The Journal of Chemical Thermodynamics. Volume 43, Issue 11, November 2011, Pages 1723-1730.

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