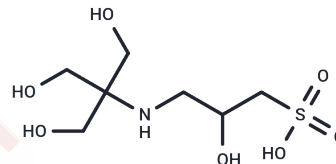


TAPSO

Chemical Properties

CAS No. :	68399-81-5
Formula:	C7H17NO7S
Molecular Weight:	259.28
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	TAPSO is a biological buffer solution containing Tris groups, with a pH range of 7.0-8.2, and is widely used in biochemical and cell biology experiments.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 40 mg/mL (154.27 mM),Sonication is recommended. H2O: 80 mg/mL (308.55 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	3.8568 mL	19.2842 mL	38.5683 mL
5 mM	0.7714 mL	3.8568 mL	7.7137 mL
10 mM	0.3857 mL	1.9284 mL	3.8568 mL
50 mM	0.0771 mL	0.3857 mL	0.7714 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

Machado CM, et al. Interpretation of non-Nernstian slopes in graphic analysis of data collected in pH range close to deprotonation of a ligand Part I. A glass electrode potentiometric and polarographic study of Cd-(TAPSO)_x-(OH)_y and Zn-(TAPSO)_x-(OH)_y systems. Talanta. 2006 Jan 15;68(3):819-30.

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