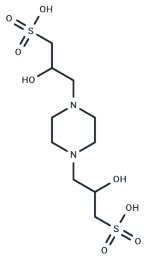
Data Sheet (Cat.No.T65399)

TargetMol

POPSO

Chemical Properties



CAS No. : 68189-43-5

Formula: C10H22N2O8S2

Molecular Weight: 362.42

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	POPSO is an amphoteric ion biological buffer with an effective buffering range of pH 7.0 to 8.5, used as a buffer for HPLC mobile phases and widely applied in cell biology experiments.
Targets(IC50)	Others

Solubility Information

Solubility	1M NaOH: 80 mg/mL (220.74 mM),when pH is adjusted to 11 with 1M NaOH. Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7592 mL	13.7961 mL	27.5923 mL
5 mM	0.5518 mL	2.7592 mL	5.5185 mL
10 mM	0.2759 mL	1.3796 mL	2.7592 mL
50 mM	0.0552 mL	0.2759 mL	0.5518 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

Ng LT, et al. Effect of buffers and osmolality on anion uniport across the mitochondrial inner membrane. Biochim Biophys Acta. 1993 Jun 10;1143(1):29-37.

Vasconcelos, et al. Influence of zwitterionic pH buffers on the bioavailability and toxicity of copper to the alga Amphidinium carterae. 2009 Nov;19(10):2542-2550.

Kebede N, et al. Electrogenerated chemiluminescence of tris(2,2' bipyridine)ruthenium(II) using common biological buffers as co-reactant, pH buffer and supporting electrolyte. Analyst. 2015 Nov 7;140(21):7142-5.

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