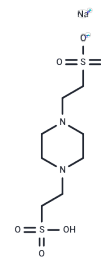


PIPES monosodium

Chemical Properties

CAS No. :	10010-67-0
Formula:	C ₈ H ₁₇ N ₂ NaO ₆ S ₂
Molecular Weight:	324.35
Storage:	Store at RT Actual storage temperature shall be subject to the COA.



Biological Description

Description	PIPES monosodium is commonly used to prepare buffer solutions with a pH of 6.0-7.5, maintaining a stable pH environment and regulating ionic strength, and is widely applied in biochemical and cell biology experiments.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 80 mg/mL (246.65 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0831 mL	15.4154 mL	30.8309 mL
5 mM	0.6166 mL	3.0831 mL	6.1662 mL
10 mM	0.3083 mL	1.5415 mL	3.0831 mL
50 mM	0.0617 mL	0.3083 mL	0.6166 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

Kwon H S, et al. CO₂ fixation stability by *Sulfurovum lithotropicum* 42BKTT depending on pH and ionic strength conditions[J]. Journal of industrial and engineering chemistry, 2018, 57: 72-76.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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