

HEPES Solution (1M, Sterile)

Chemical Properties

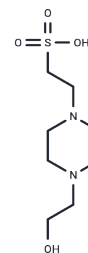
CAS No. :

Formula: C₈H₁₈N₂O₄S

Molecular Weight: 238.31

Storage: Store at 4°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	HEPES Solution (1M, Sterile) is a highly effective biological buffer with a pKa of approximately 7.5 and a buffering range of pH 6.8–8.2. HEPES Solution (1M, Sterile) is widely used in cell culture to maintain stable pH in culture media, particularly in environments where CO ₂ concentration is difficult to precisely control. HEPES Solution (1M, Sterile) ensures cells maintain stable growth under near-physiological conditions and minimizes experimental interference caused by pH fluctuations.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1962 mL	20.9811 mL	41.9622 mL
5 mM	0.8392 mL	4.1962 mL	8.3924 mL
10 mM	0.4196 mL	2.0981 mL	4.1962 mL
50 mM	0.0839 mL	0.4196 mL	0.8392 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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