Data Sheet (Cat.No.T73082)

TargetMol

TES Sodium

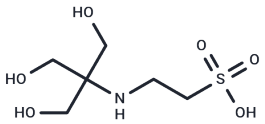
Chemical Properties

CAS No. : 70331-82-7

Formula: C6H15NNaO6S

Molecular Weight: 252.24

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	TES sodium is an amphoteric ion buffer with an effective pH range of 6.8 to 8.2, commonly used in cell culture and enzyme studies.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 200 mg/mL (792.9 mM),Sonication is recommended. DMSO: 60 mg/mL (237.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9645 mL	19.8224 mL	39.6448 mL
5 mM	0.7929 mL	3.9645 mL	7.929 mL
10 mM	0.3964 mL	1.9822 mL	3.9645 mL
50 mM	0.0793 mL	0.3964 mL	0.7929 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

N E Good, et al. Hydrogen ion buffers for biological research. Biochemistry. 1966 Feb;5(2):467-77.
A Itagaki, et al. Tes and HEPES buffers in mammalian cell cultures and viral studies: problem of carbon dioxide requirement. Exp Cell Res. 1974 Feb;83(2):351-61.

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