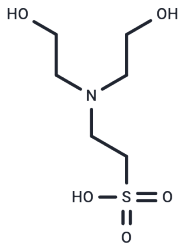
Data Sheet (Cat.No.T65627)

TargetMol

BES

Chemical Properties



CAS No. : 10191-18-1

Formula: C6H15NO5S

Molecular Weight: 213.25

Storage: Keep away from direct sunlight
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	BES is commonly used to prepare zwitterionic buffers with a pH of 6.4-7.8, exhibiting inhibitory activity against TEM1-β-lactamase, and is widely applied in cellular and molecular biology experiments.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	H2O: 1 mg/mL (4.69 mM),Sonication is recommended. DMSO: 20 mg/mL (93.79 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6893 mL	23.4467 mL	46.8933 mL
5 mM	0.9379 mL	4.6893 mL	9.3787 mL
10 mM	0.4689 mL	2.3447 mL	4.6893 mL
50 mM	0.0938 mL	0.4689 mL	0.9379 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

Meena, H.M., Kukreti, S. & Jassal, P.S. Synthesis of novel Chitosan-Tannic acid adsorbent for removal of Aluminum (III) from wastewater: characterisation, kinetics, equilibrium isotherms and thermodynamic studies. Adsorption 31, 46 (2025).

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