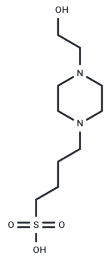
# Data Sheet (Cat.No.T65782)

TargetMol

HEPBS

## Chemical Properties



CAS No. : 161308-36-7

Formula: C10H22N2O4S

Molecular Weight: 266.36

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 | HEPBS is a zwitterionic biologic buffer with a pH range of 7.6 to 9.0. HEPBS can be used in cell culture and other cell experiments. |
| Targets(IC50) | Others |

## Solubility Information

| | |
|---|---|
| Solubility | H2O: 100 mg/mL (375.43 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.7543 mL | 18.7716 mL | 37.5432 mL |
| 5 mM | 0.7509 mL | 3.7543 mL | 7.5086 mL |
| 10 mM | 0.3754 mL | 1.8772 mL | 3.7543 mL |
| 50 mM | 0.0751 mL | 0.3754 mL | 0.7509 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 Roy L, et al. Buffer Standards for the Physiological pH of N-(2-Hydroxyethyl) piperazine-N'-4-butanesulfonic Acid (HEPBS) from 5 to 55 C. The Open Electrochemistry Journal, 2012, 4(1).

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