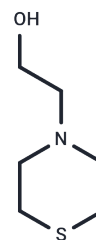


2-Thiomorpholinoethanol

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 6007-64-3 |
| Formula: | C ₆ H ₁₃ NOS |
| Molecular Weight: | 147.24 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | 2-Thiomorpholinoethanol is a morpholine derivative that affects the nervous system by inhibiting the enzyme acetylcholinesterase (AChE) and increasing the amount of acetylcholine in the body. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 60 mg/mL (407.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 6.7916 mL | 33.9582 mL | 67.9163 mL |
| 5 mM | 1.3583 mL | 6.7916 mL | 13.5833 mL |
| 10 mM | 0.6792 mL | 3.3958 mL | 6.7916 mL |
| 50 mM | 0.1358 mL | 0.6792 mL | 1.3583 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

Catalán AC, Tiburcio J. Self-assembly of pseudo-rotaxane and rotaxane complexes using an electrostatic slippage approach. Chem Commun (Camb). 2016 Jul 21;52(61):9526-9.

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