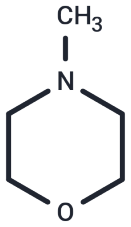
# Data Sheet (Cat.No.T60114)

TargetMol

## 4-Methylmorpholine

### Chemical Properties



CAS No. : 109-02-4

Formula: C5H11NO

Molecular Weight: 101.15

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 | 4-Methylmorpholine (4-methyl-morpholine) can be used as extraction solvent, stabilizer of chlorinated hydrocarbons, corrosion inhibitor, catalyst and drug production. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 9.8863 mL | 49.4315 mL | 98.8631 mL |
| 5 mM | 1.9773 mL | 9.8863 mL | 19.7726 mL |
| 10 mM | 0.9886 mL | 4.9432 mL | 9.8863 mL |
| 50 mM | 0.1977 mL | 0.9886 mL | 1.9773 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


Kim KS, et al. Ionic liquids based on N-alkyl-N-methylmorpholinium salts as potential electrolytes. Chem Commun (Camb). 2004 Apr 7;(7):828-9.

Kamboj R, et al. Micellization behavior of morpholinium-based amide-functionalized ionic liquids in aqueous media. Langmuir. 2014 Aug 26;30(33):9920-30.

Khan IA, et al. Synthesis of Novel N-Methylmorpholine-Substituted Benzimidazolium Salts as Potential α-Glucosidase Inhibitors. Molecules. 2022 Sep 15;27(18):6012.





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