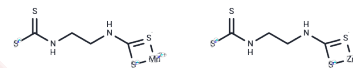


Mancozeb

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 8018-01-7 |
| Formula: | C ₈ H ₁₂ MnN ₄ S ₈ Zn |
| Molecular Weight: | 541.08 |
| 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 | Mancozeb is a fungicide of ethylene-bis-dithiocarbamate. |
| Targets(IC50) | Apoptosis,Nrf2,Antifungal,Cytochromes P450,Dehydrogenase |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 1.18 mg/mL (2.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Saline: 0.11 mg/mL (0.2 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8482 mL | 9.2408 mL | 18.4816 mL |
| 5 mM | 0.3696 mL | 1.8482 mL | 3.6963 mL |
| 10 mM | 0.1848 mL | 0.9241 mL | 1.8482 mL |
| 50 mM | 0.037 mL | 0.1848 mL | 0.3696 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

Santos R, et al. Thyroid and reproductive hormones in relation to pesticide use in an agricultural population in Southern Brazil. Environ Res. 2019 Jun;173:221-231.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481