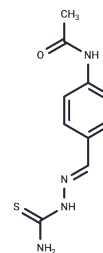


Thiacetazone

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 104-06-3 |
| Formula: | C ₁₀ H ₁₂ N ₄ O ₂ S |
| Molecular Weight: | 236.29 |
| 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 | Thiacetazone (Diazam) is a thiosemicarbazone that thioacetazone treatment of pulmonary tuberculosis |
| Targets(IC50) | Antibacterial, Antibiotic |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 22.5 mg/mL (95.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.46 mM), Sonication is recommended. <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 | 4.2321 mL | 21.1604 mL | 42.3209 mL |
| 5 mM | 0.8464 mL | 4.2321 mL | 8.4642 mL |
| 10 mM | 0.4232 mL | 2.116 mL | 4.2321 mL |
| 50 mM | 0.0846 mL | 0.4232 mL | 0.8464 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

K.A.-T.A.a.G.T.S.: Hong. A controlled comparison of thiacetazone (thioacetazone) plus isoniazid with pas plus isoniazid in Hong Kong[J]. tubercle, 1968, 49(3):243-280.

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