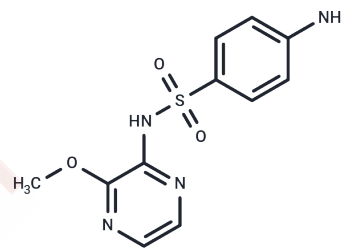


Sulfalene

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 152-47-6 |
| Formula: | C ₁₁ H ₁₂ N ₄ O ₃ S |
| Molecular Weight: | 280.3 |
| 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 | Sulfalene (SMP2), a long-acting sulfonamide antibiotic, is used for the therapy of chronic bronchitis, urinary tract infections, and malaria. |
| Targets(IC50) | Antibacterial, Antibiotic, Parasite, Autophagy |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 45 mg/mL (160.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 3.5676 mL | 17.838 mL | 35.6761 mL |
| 5 mM | 0.7135 mL | 3.5676 mL | 7.1352 mL |
| 10 mM | 0.3568 mL | 1.7838 mL | 3.5676 mL |
| 50 mM | 0.0714 mL | 0.3568 mL | 0.7135 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

Brumfitt W, Hamilton-Miller JM. J ChemOthers. 1993 Dec;5(6):465-9

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