

ZINC03129319

Chemical Properties

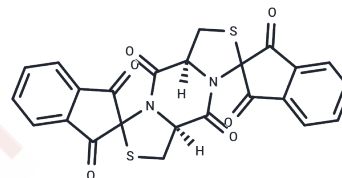
CAS No. : 1777807-64-3

Formula: C₂₄H₁₄N₂O₆S₂

Molecular Weight: 490.51

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 | ZINC03129319 is an inhibitor of dengue virus (DENV) NS2B-NS3 protease. |
| Targets(IC50) | Anti-infection, Virus Protease |
| In vitro | ZINC03129319 inhibits DENV NS2B-NS3 protease with Ki1 of 92±15 µM and Ki3 of 20±4 µM. |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 41.67 mg/mL (84.95 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 (4.08 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 | 2.0387 mL | 10.1935 mL | 20.3869 mL |
| 5 mM | 0.4077 mL | 2.0387 mL | 4.0774 mL |
| 10 mM | 0.2039 mL | 1.0193 mL | 2.0387 mL |
| 50 mM | 0.0408 mL | 0.2039 mL | 0.4077 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

Watowich, Stanley J, et al. SMALL-MOLECULE INHIBITORS OF DENGUE VIRUS PROTEASES. US20150141521A1.

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