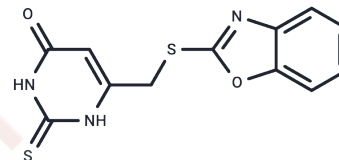


Dehydro-ZINC39395747

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 433248-87-4 |
| Formula: | C ₁₂ H ₉ N ₃ O ₂ S ₂ |
| Molecular Weight: | 291.35 |
| 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 | Dehydro-ZINC39395747 is a ZINC39395747 derivative. ZINC39395747 can increase NO bioavailability in vascular cells. ZINC39395747 is a potent cytochrome b5 reductase 3 inhibitor (IC ₅₀ : 9.14 μM and K _d : 1.11 μM). |
| Targets(IC ₅₀) | Others,Cytochromes P450 |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 3.4323 mL | 17.1615 mL | 34.323 mL |
| 5 mM | 0.6865 mL | 3.4323 mL | 6.8646 mL |
| 10 mM | 0.3432 mL | 1.7161 mL | 3.4323 mL |
| 50 mM | 0.0686 mL | 0.3432 mL | 0.6865 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

Rahaman MM, et al. Structure Guided Chemical Modifications of Propylthiouracil Reveal Novel Small Molecule Inhibitors of Cytochrome b5 Reductase 3 That Increase Nitric Oxide Bioavailability. J Biol Chem. 2015 Jul 3;290(27):16861-72.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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