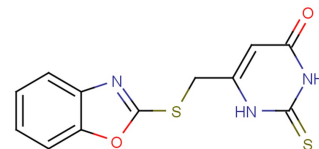


Dehydro-ZINC39395747

**Chemical Properties**

CAS No.: 433248-87-4  
Formula: C<sub>12</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>S<sub>2</sub>  
Molecular Weight: 291.35  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**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 <sub>50</sub> : 9.14 $\mu$ M and K <sub>d</sub> : 1.11 $\mu$ M).
Targets(IC <sub>50</sub> )	Others: None

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.432 mL	17.161 mL	34.323 mL
5 mM	0.686 mL	3.432 mL	6.865 mL
10 mM	0.343 mL	1.716 mL	3.432 mL
50 mM	0.069 mL	0.343 mL	0.686 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481