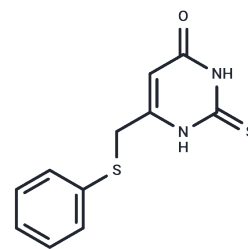


ZINC05626394

## Chemical Properties

CAS No. : 189057-68-9  
 Formula: C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub>  
 Molecular Weight: 250.34  
 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	ZINC05626394 is a Cytochrome b5 reductase 3 inhibitor that acts by increasing NO bioavailability.
Targets(IC50)	Others,Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9946 mL	19.9728 mL	39.9457 mL
5 mM	0.7989 mL	3.9946 mL	7.9891 mL
10 mM	0.3995 mL	1.9973 mL	3.9946 mL
50 mM	0.0799 mL	0.3995 mL	0.7989 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, Reinders FG, Koes D, Nguyen AT, Mutchler SM, Sparacino-Watkins C, Alvarez RA, Miller MP, Cheng D, Chen BB, Jackson EK, Camacho CJ, Straub AC. 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. doi: 10.1074/jbc.M114.629964. Epub 2015 May 22. PubMed PMID: 26001785; PubMed Central PMCID: PMC4505432.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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