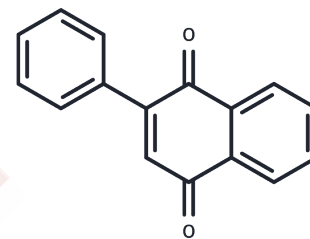


## Anti-infective agent 1

## Chemical Properties

CAS No. :	2348-77-8
Formula:	C16H10O2
Molecular Weight:	234.25
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	Anti-infective agent 1 (compound 3a) serves as a potent and selective antiprotozoal and antimycobacterial compound, demonstrating antiparasitic efficacy against <i>P. falciparum</i> and <i>T. brucei rhodesiense</i> with IC50 values of 10.95 and 0.06 $\mu$ M, respectively, and displaying antimycobacterial properties against <i>Mycobacterium smegmatis</i> with a minimum inhibitory concentration (MIC) of 8 $\mu$ g/mL [1].
Targets(IC50)	Others,Antibacterial,Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2689 mL	21.3447 mL	42.6894 mL
5 mM	0.8538 mL	4.2689 mL	8.5379 mL
10 mM	0.4269 mL	2.1345 mL	4.2689 mL
50 mM	0.0854 mL	0.4269 mL	0.8538 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.

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