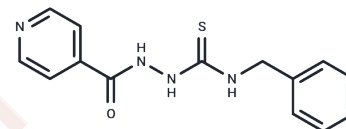


## Anti-inflammatory agent 11

## Chemical Properties

CAS No. : 63932-07-0  
 Formula: C<sub>14</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>  
 Molecular Weight: 286.35  
 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	Anti-inflammatory agent 11 (compound 16) is a potent antimycobacterial agent used in tuberculosis (TB) research. It inhibits the growth of Mtb H37Rv and M299 with MIC 50 values of 1.3 and 6.9 $\mu$ M, respectively. Additionally, it reduces inflammation by suppressing iNOS expression and inhibiting NO, TNF- $\alpha$ , and IL-1 $\beta$ production [1].
Targets(IC50)	Others,Antibacterial,TNF
In vitro	Anti-inflammatory agent 11, also known as compound 16, effectively reduces accumulated nitrite levels, exhibiting an IC50 value of 64.8 $\pm$ 1.0 $\mu$ M [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4922 mL	17.4611 mL	34.9223 mL
5 mM	0.6984 mL	3.4922 mL	6.9845 mL
10 mM	0.3492 mL	1.7461 mL	3.4922 mL
50 mM	0.0698 mL	0.3492 mL	0.6984 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