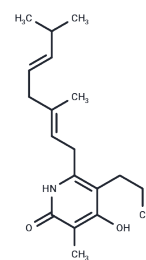


## Iromycin A

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 213137-53-2   |
| Formula:          | C <sub>19</sub> H <sub>29</sub> N <sub>2</sub> O <sub>2</sub>   |
| Molecular Weight: | 303.44  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |  |
|----------------------------|--|
| Description                | Iromycin A is a bacterial pyridone metabolite that inhibits nitric oxide synthase (NOS) activity, with selectivity for NOS III (endothelial NOS) over NOS I (neuronal NOS). Iromycin metabolites and derivatives block NADH oxidation in beef heart submitochondrial particles (IC <sub>50</sub> = 0.461 μM for iromycin A). |
| Targets(IC <sub>50</sub> ) | Others,NO Synthase   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: Soluble<br>Methanol: Slightly soluble<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.2955 mL | 16.4777 mL | 32.9554 mL |
| 5 mM  | 0.6591 mL | 3.2955 mL  | 6.5911 mL  |
| 10 mM | 0.3296 mL | 1.6478 mL  | 3.2955 mL  |
| 50 mM | 0.0659 mL | 0.3296 mL  | 0.6591 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