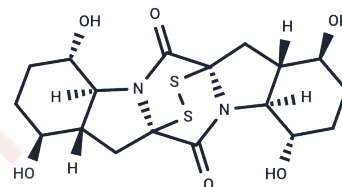


## Rostratin A

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 752236-16-1   |
| Formula:          | C <sub>18</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub>  |
| Molecular Weight: | 428.52  |
| 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                | Rostratin A, a cytotoxic disulfide isolated from the marine-derived fungus <i>Exserohilum rostratum</i> , demonstrates in vitro cytotoxicity against human colon carcinoma (HCT-116), exhibiting an inhibitory concentration 50 (IC <sub>50</sub> ) value of 8.5 µg/mL. |
| Targets(IC <sub>50</sub> ) | Others, Endogenous Metabolite   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3336 mL | 11.6681 mL | 23.3361 mL |
| 5 mM  | 0.4667 mL | 2.3336 mL  | 4.6672 mL  |
| 10 mM | 0.2334 mL | 1.1668 mL  | 2.3336 mL  |
| 50 mM | 0.0467 mL | 0.2334 mL  | 0.4667 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