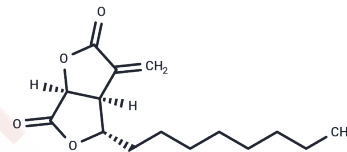


## Avenaciolide

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 26057-70-5  |
| Formula:          | C <sub>15</sub> H <sub>22</sub> O <sub>4</sub>  |
| Molecular Weight: | 266.337   |
| 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   | Avenaciolide is a water-insoluble fungal metabolite originally isolated from <i>A. avenaceus</i> . It inhibits glutamate transport in isolated rat liver mitochondria ( $K_i = 8 \mu\text{M}$ ). |
| Targets(IC50) | Others,Antibacterial,Antifungal  |

## Solubility Information

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

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 3.7546 mL | 18.773 mL | 37.546 mL |
| 5 mM  | 0.7509 mL | 3.7546 mL | 7.5092 mL |
| 10 mM | 0.3755 mL | 1.8773 mL | 3.7546 mL |
| 50 mM | 0.0751 mL | 0.3755 mL | 0.7509 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**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481