

## Hippeastrine

## Chemical Properties

CAS No. : 477-17-8  
Formula: C<sub>17</sub>H<sub>17</sub>NO<sub>5</sub>  
Molecular Weight: 315.32  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## Biological Description

|             |                                                                                                                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Hippeastrine is an active alkaloid that demonstrates a potent, dose-dependent inhibitory action against topoisomerase I (Top I), achieving an IC <sub>50</sub> of 7.25 µg/mL. This compound also exhibits significant antiproliferative and anticancer activities [1]. |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.1714 mL | 15.8569 mL | 31.7138 mL |
| 5 mM  | 0.6343 mL | 3.1714 mL  | 6.3428 mL  |
| 10 mM | 0.3171 mL | 1.5857 mL  | 3.1714 mL  |
| 50 mM | 0.0634 mL | 0.3171 mL  | 0.6343 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481