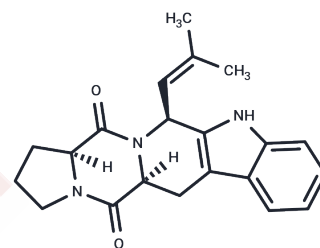


## Demethoxyfumitremorgin C

## Chemical Properties

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 111768-16-2                                                                                                         |
| Formula:          | C <sub>21</sub> H <sub>23</sub> N <sub>3</sub> O <sub>2</sub>                                                       |
| Molecular Weight: | 349.434                                                                                                             |
| 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   | Demethoxyfumitremorgin C and tryprostatin B are fungal inhibitors of mammalian cell cycle progression at the G(2)/M transition. Demethoxyfumitremorgin C inhibits the proliferation of PC3 human prostate cancer cells via the intrinsic (mitochondrial) and extrinsic pathway, followed by downstream events leading to apoptotic cell death, it could therefore, serve as a useful agent to treat human advanced prostate cancer. |
| Targets(IC50) | Apoptosis,Caspase,PPAR                                                                                                                                                                                                                                                                                                                                                                                                              |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 2.8618 mL | 14.309 mL | 28.618 mL |
| 5 mM  | 0.5724 mL | 2.8618 mL | 5.7236 mL |
| 10 mM | 0.2862 mL | 1.4309 mL | 2.8618 mL |
| 50 mM | 0.0572 mL | 0.2862 mL | 0.5724 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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