

## (-)-Isocorypalmine

## Chemical Properties

CAS No. : 483-34-1

Formula: C<sub>20</sub>H<sub>23</sub>NO<sub>4</sub>

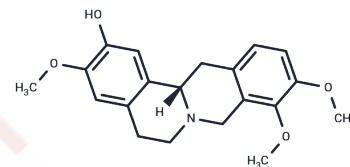
Molecular Weight: 341.4

Keep away from direct sunlight, Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |  |
|---------------|--|
| Description   | (-)-Isocorypalmine ((S)-Tetrahydrocolumbamine), a natural product isolated from <i>Corydalis chaerophylla</i> , has significant antifungal activity. |
| Targets(IC50) | Antifungal, Dopamine Receptor  |

## 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  | 2.9291 mL | 14.6456 mL | 29.2912 mL |
| 5 mM  | 0.5858 mL | 2.9291 mL  | 5.8582 mL  |
| 10 mM | 0.2929 mL | 1.4646 mL  | 2.9291 mL  |
| 50 mM | 0.0586 mL | 0.2929 mL  | 0.5858 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.

## Reference

Sangita Sahni, et al. Inhibitory Effect of Two Alkaloids, (-)-Corydalmine and (-)-Isocorypalmine Isolated from *Corydalis chaerophylla* on Several Phytopathogenic Fungi Sangita Sahni. *Mycobiology*. 2018 Jun.

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