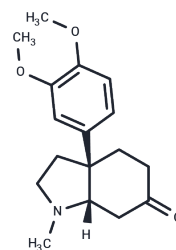


(-)-Mesembrine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 24880-43-1 |
| Formula: | C ₁₇ H ₂₃ NO ₃ |
| Molecular Weight: | 289.37 |
| 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 | Mesembrine is a serotonin reuptake inhibitor and is also a weak inhibitor of the enzyme phosphodiesterase 4 (PDE4). |
| Targets(IC50) | Others,Endogenous Metabolite |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.4558 mL | 17.2789 mL | 34.5578 mL |
| 5 mM | 0.6912 mL | 3.4558 mL | 6.9116 mL |
| 10 mM | 0.3456 mL | 1.7279 mL | 3.4558 mL |
| 50 mM | 0.0691 mL | 0.3456 mL | 0.6912 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

- Krstenansky JL. Mesembrine alkaloids: Review of their occurrence, chemistry, and pharmacology. J Ethnopharmacol. 2017 Jan 4;195:10-19. doi: 10.1016/j.jep.2016.12.004. Epub 2016 Dec 7. Review. PubMed PMID: 27939420.
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- Mori M. Development of a novel synthetic method for ring construction using organometallic complexes and its application to the total syntheses of natural products. Chem Pharm Bull (Tokyo). 2005 May;53(5):457-70. Review. PubMed PMID: 15863913.
- Mori M. [Development of new synthetic method using organometallic complexes and an application toward natural product synthesis]. Yakugaku Zasshi. 2005 Jan;125(1):51-72. Review. Japanese. PubMed PMID: 15635281.

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