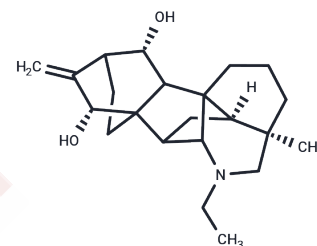


Bullatine A

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1354-84-3 |
| Formula: | C ₂₂ H ₃₃ N _O ₂ |
| Molecular Weight: | 343.51 |
| 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 | 1. Bullatine A, a diterpenoid alkaloid of the genus Aconitum, possesses anti-rheumatic, anti-inflammatory and anti-nociceptive effects, may be used for the treatment of neurodegenerative diseases such as arthritis. |
| Targets(IC50) | Apoptosis,ERK,NF-κB,c-Myc,P2X Receptor,p38 MAPK,ROS |

Solubility Information

| | |
|------------|--|
| Solubility | Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 3.44 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.9111 mL | 14.5556 mL | 29.1112 mL |
| 5 mM | 0.5822 mL | 2.9111 mL | 5.8222 mL |
| 10 mM | 0.2911 mL | 1.4556 mL | 2.9111 mL |
| 50 mM | 0.0582 mL | 0.2911 mL | 0.5822 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

- Li J , Ren W , Huang X J , et al. Bullatine A, a diterpenoid alkaloid of the genus Aconitum, could attenuate ATP-induced BV-2 microglia death/apoptosis via P2X receptor pathways.[J]. Brain Research Bulletin, 2013, 97(8):81-85.
- Wang Z, Zhu Y, Luo C, et al.Bullatine A suppresses glioma cell growth by targeting SIRT6.Heliyon.2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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