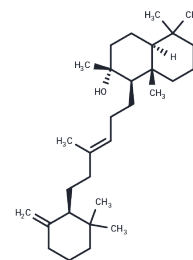


Ambrein

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 473-03-0 |
| Formula: | C ₃₀ H ₅₂ O |
| Molecular Weight: | 428.73 |
| 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 | Ambrein is a triterpene alcohol that is the chief constituent of ambergris, a secretion from the digestive system of the sperm whale, and has been suggested as the possible active component producing the supposed aphrodisiac effects of ambergris. It serves as the biological precursor for a number of aromatic derivatives such as ambroxan and is thought to possess fixative properties for other odorants. It has been shown to act as an analgesic and it has been proven to increase sexual behavior in rats, providing some support for its traditional aphrodisiac use. Ambrein has also been shown to decrease spontaneous contractions of smooth muscles in rats, guinea pigs, and rabbits. It is able to reduce these contractions by serving as an antagonist and interfering with the Ca ²⁺ ions from outside of the cell. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3325 mL | 11.6624 mL | 23.3247 mL |
| 5 mM | 0.4665 mL | 2.3325 mL | 4.6649 mL |
| 10 mM | 0.2332 mL | 1.1662 mL | 2.3325 mL |
| 50 mM | 0.0466 mL | 0.2332 mL | 0.4665 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

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

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