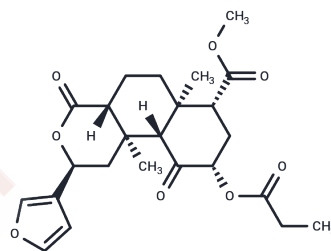


Salvinorin A Propionate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 689295-71-4 |
| Formula: | C ₂₄ H ₃₀ O ₈ |
| Molecular Weight: | 446.49 |
| 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 | Salvinorin A propionate is a selective partial agonist at κ 1-opioid receptors (KOR) with a K_i value of 32.6 nM. It inhibits adenylate cyclase (EC_{50} = 4.7 nM) in HEK293 cells transfected with human KOR. It is selective for KORs over μ , δ , and ORL-1 opioid receptors and has no effect at serotonin, dopamine, muscarinic, or adrenergic receptors. In mice, salvinorin A propionate (13 μ g, i.c.v.) reduces nociceptive responses in a radiant heat tail-flick assay, though not as potently as salvinorin A. |
| Targets(IC50) | Others, Opioid Receptor |

Solubility Information

| | |
|------------|---|
| Solubility | DMF:PBS(pH 7.2)(1:1): 0.5 mg/mL (1.12 mM), Sonication is recommended. DMF: 2 mg/mL (4.48 mM), Sonication is recommended. Acetonitrile: 1 mg/mL (2.24 mM), Sonication is recommended. DMSO: 1 mg/mL (2.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.2397 mL | 11.1985 mL | 22.3969 mL |
| 5 mM | 0.4479 mL | 2.2397 mL | 4.4794 mL |
| 10 mM | 0.224 mL | 1.1198 mL | 2.2397 mL |
| 50 mM | 0.0448 mL | 0.224 mL | 0.4479 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

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