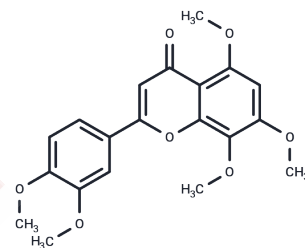


Isosinensetin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 17290-70-9 |
| Formula: | C ₂₀ H ₂₀ O ₇ |
| Molecular Weight: | 372.37 |
| 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 | 1. Isosinensetin (6-Demethoxynobiletin) shows antioxidant and HIV-1 protease inhibiting activities. |
| Targets(IC50) | ERK,Antioxidant,Calcium Channel,NF-κB,HIV Protease,Antibacterial,JNK,p38 MAPK,P-gp,Phosphatase,ROS |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 3.73 mg/mL (10.02 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|-----------|
| 1 mM | 2.6855 mL | 13.4275 mL | 26.855 mL |
| 5 mM | 0.5371 mL | 2.6855 mL | 5.371 mL |
| 10 mM | 0.2686 mL | 1.3428 mL | 2.6855 mL |
| 50 mM | 0.0537 mL | 0.2686 mL | 0.5371 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

Jiang Y , Wong J H , Fu M , et al. Isolation of adenosine, iso-sinensetin and dimethylguanosine with antioxidant and HIV-1 protease inhibiting activities from fruiting bodies of *Cordyceps militaris*[J]. Phytomedicine, 2011, 18(2-3):189-193.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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