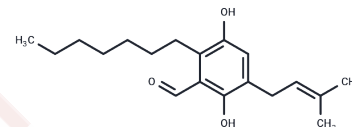


Flavoglaucin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 523-73-9 |
| Formula: | C ₁₉ H ₂₈ O ₃ |
| Molecular Weight: | 304.42 |
| 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 | Flavoglaucin exhibits significant inhibitory effects on PTP1B, the IC ₅₀ value of 13.4, micrometer; it also shows good binding affinity for human opioid or cannabinoid receptors. Flavoglaucin appears to be an antitumor promoter, it also has anti-inflammatory effects, it shows inhibitory effects on inflammatory mediators via the induction of heme oxygenase-1 in lipopolysaccharide-stimulated RAW264.7 macrophages. Flavoglaucin exhibits a significant radical scavenging activity against 1,1-diphenyl-2-picrylhydrazyl (DPPH) with the IC ₅₀ value of 11.3 microM. |
| Targets(IC ₅₀) | NOS,NF-κB,Nrf2,Autophagy,COX,IL Receptor,Phosphatase,Prostaglandin Receptor,TNF |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.2849 mL | 16.4247 mL | 32.8494 mL |
| 5 mM | 0.657 mL | 3.2849 mL | 6.5699 mL |
| 10 mM | 0.3285 mL | 1.6425 mL | 3.2849 mL |
| 50 mM | 0.0657 mL | 0.3285 mL | 0.657 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