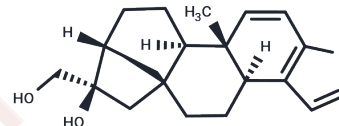


Kahweol

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 6894-43-5 |
| Formula: | C ₂₀ H ₂₆ O ₃ |
| Molecular Weight: | 314.42 |
| 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 | Kahweol has anticarcinogenic, anti-angiogenic, and anti-inflammatory activities, it can block the LPS-induced activation of NF- κ B by preventing IkappaB degradation and inhibiting IkappaB kinase activity. |
| Targets(IC50) | Apoptosis, NF- κ B, AMPK |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 36.25 mg/mL (115.29 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (3.18 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.1805 mL | 15.9023 mL | 31.8046 mL |
| 5 mM | 0.6361 mL | 3.1805 mL | 6.3609 mL |
| 10 mM | 0.318 mL | 1.5902 mL | 3.1805 mL |
| 50 mM | 0.0636 mL | 0.318 mL | 0.6361 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