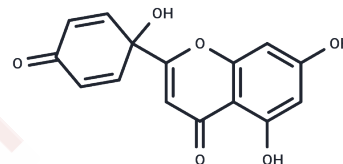


Protoapigenone

Chemical Properties

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. : | 862884-32-0 |
| Formula: | C ₁₅ H ₁₀ O ₆ |
| Molecular Weight: | 286.24 |
| 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 | Protoapigenone, an antineoplastic agent extracted from ferns, demonstrates notable inhibitory activity against various cancer cell lines, including Hep G2, Hep 3B, MCF-7, A549, and MDAMB-231. The respective IC ₅₀ values are 1.60, 0.23, 0.78, 3.88, and 0.27 µg/mL [1]. |
| Targets(IC ₅₀) | Apoptosis, Bcl-2 Family, Caspase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.4936 mL | 17.4679 mL | 34.9357 mL |
| 5 mM | 0.6987 mL | 3.4936 mL | 6.9871 mL |
| 10 mM | 0.3494 mL | 1.7468 mL | 3.4936 mL |
| 50 mM | 0.0699 mL | 0.3494 mL | 0.6987 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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