

Patuletin

Chemical Properties

CAS No. : 519-96-0

Formula: C₁₆H₁₂O₈

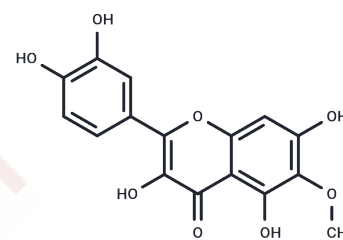
Molecular Weight: 332.26

Keep away from direct sunlight, Store at low temperature

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

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|---------------|--|
| Description | Patuletin is a flavonol discovered in <i>Tagetes patula</i> that induces apoptosis in cancer cells such as CaSki, MDA-MB-231, and SK-Lu-1. |
| Targets(IC50) | Apoptosis |
| In vitro | Patuletin (6, 12, 25, 50, and 100 µg/mL, 24 hours) exhibited dose-dependent inhibitory effects on the proliferation of CaSki cells, MDA-MB-231 cells, and SK-Lu-1 cells, with IC50 values of 37 µg/mL, 86 µg/mL, and 18 µg/mL, respectively [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.0097 mL | 15.0485 mL | 30.0969 mL |
| 5 mM | 0.6019 mL | 3.0097 mL | 6.0194 mL |
| 10 mM | 0.301 mL | 1.5048 mL | 3.0097 mL |
| 50 mM | 0.0602 mL | 0.301 mL | 0.6019 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

Alvarado-Sansininea JJ, et al. Quercetagenin and Patuletin: Antiproliferative, Necrotic and Apoptotic Activity in Tumor Cell Lines. *Molecules*. 2018 Oct 9;23(10):2579.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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