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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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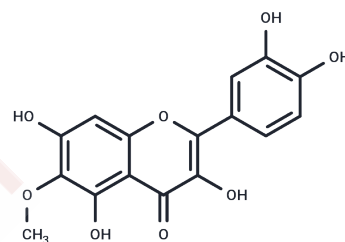
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Patuletin

Chemical Properties

CAS No. :	519-96-0
Formula:	C ₁₆ H ₁₂ O ₈
Molecular Weight:	332.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Patuletin, a flavonol isolated from the flowers of <i>Tagetes patula</i> , exhibits anti-proliferative activity against cancer cells, induces significant nuclear fragmentation, and has a high capacity to activate caspase-3 [1] [2].
In vitro	Patuletin (0-100 µg/mL, 24 h) demonstrated anticancer activities by inhibiting cell proliferation and inducing apoptosis in CaSki, MDA-MB-231, and SK-Lu-1 cell lines [2]. The compound exhibited a dose-dependent inhibition of cell proliferation in these cell lines, with IC ₅₀ values of 37, 86, and 18 µg/mL for CaSki, MDA-MB-231, and SK-Lu-1 cells, respectively.

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.

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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