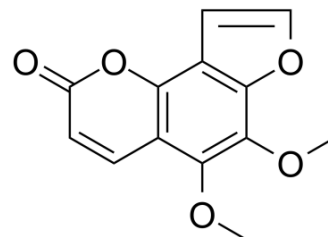


Pimpinellin

Cat. No.:	HY-N0438
CAS No.:	131-12-4
Molecular Formula:	C ₁₃ H ₁₀ O ₅
Molecular Weight:	246.22
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Pimpinellin is a constituent of <i>Cyrtomium fortunei</i> (J.). Pimpinellin inhibits the growth of tumor cells via the induction of tumor cell apoptosis ^[1] .
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In Vitro	Pimpinellin has potent cytotoxic activities against the three tumor cells MGC-803, PC3, and A375, with the IC ₅₀ values of 14.4±0.3 μM, 20.4±0.5 μM, and 29.2±0.6 μM, respectively. Pimpinellin inhibits the growth of MGC-803 cells via the induction of tumor cell apoptosis, with apoptosis ratio of 27.44% after 72 h of treatment at 20 μM ^[1] .
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REFERENCES

[1]. Yang S, et al. Discovery and antitumor activities of constituents from *Cyrtomium fortunei* (J.) Smith rhizomes. *Chem Cent J*. 2013 Feb 4;7(1):24.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA