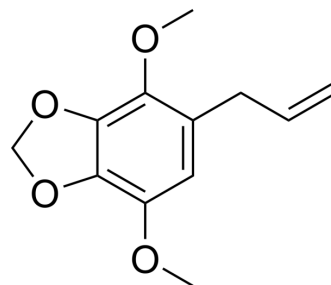


Apiole

Cat. No.:	HY-135217
CAS No.:	523-80-8
Molecular Formula:	C ₁₂ H ₁₄ O ₄
Molecular Weight:	222.24
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Apiole is an anti-tumor agent that induces apoptosis and inhibits human colon cancer cells by inducing G0/G1 cell cycle arrest. Apiole also significantly inhibited colon tumor development in an in vivo mouse xenograft model^{[1][2]}.

REFERENCES

- [1]. Wu KH, et al. Study of the antitumor mechanisms of apiole derivatives (AP-02) from *Petroselinum crispum* through induction of G0/G1 phase cell cycle arrest in human COLO 205 cancer cells. *BMC Complement Altern Med*. 2019 Jul 27;19(1):188.
- [2]. Wei PL, et al. The in vivo antitumor effects on human COLO 205 cancer cells of the 4,7-dimethoxy-5-(2-propen-1-yl)-1,3-benzodioxole (apiole) derivative of 5-substituted 4,7-dimethoxy-5-methyl-1,3-benzodioxole (SY-1) isolated from the fruiting body of *Antrodia camphorate*. *J Cancer Res Ther*. 2012 Oct-Dec;8(4):532-6.

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

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