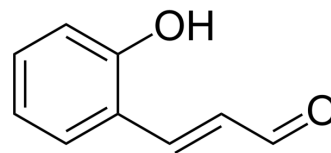


## 2-Hydroxycinnamaldehyde

Cat. No.:	HY-N3149A
CAS No.:	3541-42-2
Molecular Formula:	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>
Molecular Weight:	148.16
Target:	Wnt; β-catenin; STAT; Apoptosis
Pathway:	Stem Cell/Wnt; JAK/STAT Signaling; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

2-Hydroxycinnamaldehyde is a phenylpropanoid that can be isolated from the bark of *Cinnamomum cassia*. 2-Hydroxycinnamaldehyde inhibits Wnt/β-catenin, STAT3 signaling. 2-Hydroxycinnamaldehyde induces cell apoptosis. 2-Hydroxycinnamaldehyde has antitumor and anti-inflammation activities<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Lee MA, et al. Antitumor activity of 2-hydroxycinnamaldehyde for human colon cancer cells through suppression of β-catenin signaling. *J Nat Prod.* 2013 Jul 26;76(7):1278-84.
- [2]. Yoon YJ, et al. 2'-hydroxycinnamaldehyde inhibits cancer cell proliferation and tumor growth by targeting the pyruvate kinase M2. *Cancer Lett.* 2018 Oct 10;434:42-55.
- [3]. Hao Let al. 2'-Hydroxycinnamaldehyde ameliorates imiquimod-induced psoriasiform inflammation by targeting PKM2-STAT3 signaling in mice. *Exp Mol Med.* 2021 May;53(5):875-884.

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

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