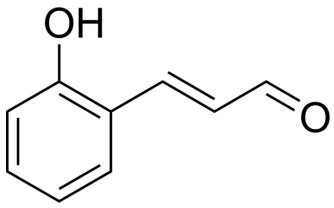
(E)-2-Hydroxycinnamaldehyde

Cat. No.:	HY-N3149
CAS No.:	60125-23-7
Molecular Formula:	$C_9H_8O_2$
Molecular Weight:	148.16
Target:	STAT; Apoptosis; Reactive Oxygen Species
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt; Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(E)-2-Hydroxycinnamaldehyde is an aldehyde that can be separated from the stem bark of cinnamon. (E)-2-Hydroxycinnamaldehyde inhibits cell proliferation and induces apoptosis by inhibiting signal transduction of STAT3 and reactive oxygen species production. (E)-2-Hydroxycinnamaldehyde has antitumor activity[1].

REFERENCES

[1]. Yoon YJ, et al. 2'-Hydroxycinnamaldehyde inhibits proliferation and induces apoptosis via signal transducer and activator of transcription 3 inactivation and reactive oxygen species generation. Cancer Sci. 2019 Jan;110(1):366-378.

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

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