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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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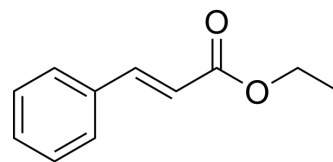
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Ethyl cinnamate (Standard)

Cat. No.:	HY-Y0121R
CAS No.:	103-36-6
Molecular Formula:	C ₁₁ H ₁₂ O ₂
Molecular Weight:	176.21
Target:	Parasite; VEGFR; Apoptosis
Pathway:	Anti-infection; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ethyl cinnamate (Standard) is the analytical standard of Ethyl cinnamate. This product is intended for research and analytical applications. Ethyl cinnamate, an orally active chemical constituent of the rhizome of *Kaempferia galanga*, exhibits anti-cancer, nematocidal, sedative and vasorelaxant activities. Ethyl cinnamate is a fragrance ingredient used as a food flavor and additive for cosmetic products. Ethyl cinnamate is also an excellent clearing reagent for mammalian tissues. Ethyl cinnamate suppresses tumor growth through anti-angiogenesis by attenuating VEGFR2 signal pathway in colorectal cancer. Ethyl cinnamate inhibits the tonic contractions induced by high K⁺ and phenylephrine (PE) with respective IC₅₀ values of 0.30 mM and 0.38 mM in rat aorta^{[1][2][3][4]}.

REFERENCES

- [1]. S P Bhatia, et al. Fragrance material review on ethyl cinnamate. Food Chem Toxicol. 2007;45 Suppl 1:S90-4.
- [2]. Anika Klingberg, et al. Fully Automated Evaluation of Total Glomerular Number and Capillary Tuft Size in Nephritic Kidneys Using Lightsheet Microscopy. J Am Soc Nephrol. 2017 Feb;28(2):452-459.
- [3]. Wang S, et al. Ethyl cinnamate suppresses tumor growth through anti-angiogenesis by attenuating VEGFR2 signal pathway in colorectal cancer. J Ethnopharmacol. 2024 May 23;326:117913.
- [4]. Othman R, et al. Vasorelaxant effects of ethyl cinnamate isolated from *Kaempferia galanga* on smooth muscles of the rat aorta. Planta Med. 2002 Jul;68(7):655-7.

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

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