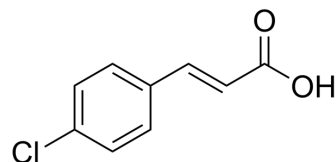


4-Chlorocinnamic acid

Cat. No.:	HY-Y0729		
CAS No.:	1615-02-7		
Molecular Formula:	C ₉ H ₇ ClO ₂		
Molecular Weight:	182.6		
Target:	Tyrosinase; Bacterial; Fungal		
Pathway:	Metabolic Enzyme/Protease; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

4-Chlorocinnamic acid has inhibitory effects on tyrosinase. 4-Chlorocinnamic acid has antibacterial activity. 4-Chlorocinnamic acid also inhibits *Colletotrichum gloeosporioides* growth^{[1][2][3]}.

REFERENCES

- [1]. Cui Y, et al. Inhibition kinetics and molecular simulation of p-substituted cinnamic acid derivatives on tyrosinase. *Int J Biol Macromol.* 2017 Feb;95:1289-1297.
- [2]. Silva RHN, et al. Antimicrobial Activity of 4-Chlorocinnamic Acid Derivatives. *Biomed Res Int.* 2019 Apr 23;2019:3941242.
- [3]. Kátia Aparecida de Siqueira, et al. Isolation of 4-chlorocinnamic acid from *Streptomyces griseocarneus* R132, and its inhibition activity against sweet pepper postharvest anthracnose. *Biocontrol Science and Technology.* Volume 32, 2022-Issue 6

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

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