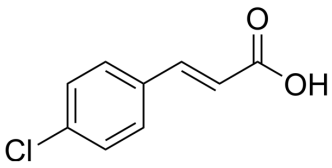
4-Chlorocinnamic acid

Cat. No.:	HY-Y0729
CAS No.:	1615-02-7
Molecular Formula:	$C_9H_7ClO_2$
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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