

Product Data Sheet

Product Name: 4-Chlorocinnamic acid

Cat. No.: GD05807

Chemical Properties

Cas. No. 1615-02-7

Formula C₉H₇ClO₂

M.Wt 182.604

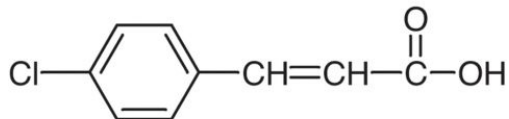
Solubility

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

4-Chlorocinnamic acid has inhibitory effects on tyrosinase. 4-Chlorocinnamic acid has antibacterial activity. 4-Chlorocinnamic acid also inhibits Colletotrichum gloeosporioides growth.

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

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- [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]. Kímtia 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

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