

2-Chlorocinnamic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 2-Chlorocinnamic acid

Catalog No.: CFN98190

Cas No.: 3752-25-8

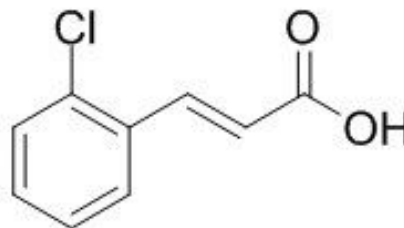
Purity: >=99%

M.F: C₉H₇ClO₂

M.W: 182.61

Physical Description: White powder

Synonyms: (2E)-3-(2-Chlorophenyl)prop-2-enoic acid; 3-(2-Chlorophenyl)propenoic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Others.

[Source]

The barks of *Cinnamomum cassia* Presl.

[Biological Activity or Inhibitors]

2-Chlorocinnamic acid is a photosensitive compound.^[1]

2-Chlorocinnamic acid can inhibit tyrosinase activity.^[2]

2-Chlorocinnamic acid and 4-chlorocinnamic acid show potent urease inhibitory activities with the respective IC₅₀ values of 0.66 and 1.10 μ M.^[3]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]

Not data available.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Park J J, Jang E J, Jun S A, *et al.* *US 8758864 B2[P]*. 2014.

[2] Hu Y H, Liu X, Jia Y L, *et al.* *J. Biosci. Bioeng.*, 2014 Feb; 117(2):142-6.

[3] Li X, Wang Y, Li Y, *et al.* *Zeitschrift Für Anorganische Und Allgemeine Chemie*, 2014, 640(2):423-8.

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