



trans-3-Hydroxycinnamic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: trans-3-Hydroxycinnamic acid

Catalog No.: CFN98181

Cas No.: 14755-02-3

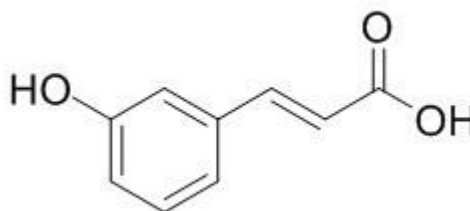
Purity: >=99%

M.F: C₉H₈O₃

M.W: 164.16

Physical Description: White powder

Synonyms:3-(3-Hydroxyphenyl)prop-2-enoic acid; (2E)-3-(3-Hydroxyphenyl)prop-2-enoate.



[Intended Use]

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

[Source]

The barks of *Cinnamomum cassia* Presl.

[Biological Activity or Inhibitors]

3-Hydroxycinnamic acid has antioxidant activity.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.01% Formic acid in water- 0.07% Formic acid in 30%acetonitrile,gradient elution ;

Flow rate:1.0 ml/min;

Column temperature: 30℃;

The wave length of determination:260 nm.

[Storage]

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

[References]

[1] Shang Y J, Liu B Y, Zhao M M. *Czech Journal of Food Sciences*,2015, 33(3):210-6.

[2] Wu B, Szymanski W, Wietzes P, *et al. Chembiochem*, 2009,10(2):338-44.

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