



p-Coumaric acid ethyl ester Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: p-Coumaric acid ethyl ester

Catalog No.: CFN97218

Cas No.: 7362-39-2

Purity: > 98%

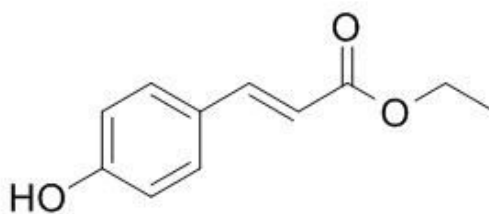
M.F: C₁₁H₁₂O₃

M.W: 192.2

Physical Description: Powder

Synonyms: 2-Propenoic acid, 3-(4-hydroxyphenyl)-, ethyl ester, (2E)-;

trans-p-Hydroxycinnamic acid ethyl ester; (E)-Ethyl 3-(4-hydroxyphenyl)acrylate.



[Intended Use]

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

[Source]

The herbs of *Paederia scandens* (Lour.) Merr.

[Biological Activity or Inhibitors]

p-Coumaric acid ester has moderate free radical scavenging ability.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.2% Aqueous acetic acid - Acetonitrile=85:15;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 310 nm.

[Storage]

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

[References]

[1]Shaheen U Y. *Free Radicals & Antioxidants*, 2011, 1(1):23-7.

[2] Tan D P, Chou G X, Wang Z T. *Chinese Journal of Modern Applied Pharmacy*, 2010, 27(6):532-4.

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