

Caffeic anhydride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Caffeic anhydride

Catalog No.: CFN92330

Cas No.: 854237-32-4

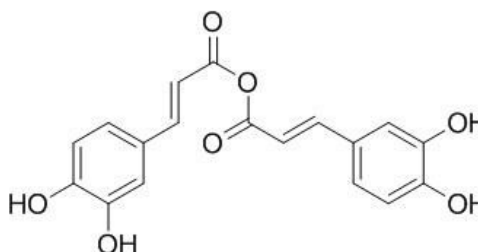
Purity: > 95%

M.F: C₁₈H₁₄O₇

M.W: 342.3

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The herbs of *Solanum sodomium*.

[Biological Activity or Inhibitors]

Caffeic anhydride can inhibit lipoxygenase in a concentration-dependent manner, with Ki

values ranging from 0.85-57.6 microM.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-0.5% Acetic acid in water, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Iqbal K, Nawaz S, Malik A, *et al. Chem. Biodivers.*, 2005, 2(1):104-11.

[2] Liu Y, Lu J Q, Zhagn J Y, *et al. China Journal of Chinese Materia Medica*, 2013, 38(38):2675-81.

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