



2-Methoxycinnamic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 2-Methoxycinnamic acid

Catalog No.: CFN98192

Cas No.: 6099-03-2

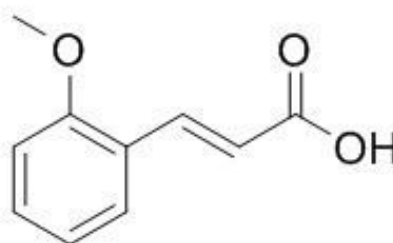
Purity: >=99%

M.F: C₁₀H₁₀O₃

M.W: 178.18

Physical Description: White powder

Synonyms: o-Methoxycinnamic 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 heartwood of *Cassia garrettiana*.

[Biological Activity or Inhibitors]

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

2-Methoxycinnamic acid is a tyrosinase inhibitor.^[2]

[Solvent]

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

[HPLC Method]^[3]

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

[2] Lee H S. *J. Agric. Food Chem.*,2002, 50(6):1400-3.

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

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