



o-Methoxycinnamaldehyde Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: o-Methoxycinnamaldehyde

Catalog No.: CFN93299

Cas No.: 1504-74-1

Purity: >=98%

M.F: C₁₀H₁₀O₂

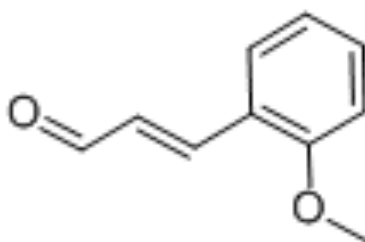
M.W: 162.19

Physical Description: Powder

Synonyms: 2-Methoxycinnamaldehyde; 3-(2-methoxyphenyl)-2-propenal; Heliopan;

beta-(o-methoxyphenyl)acrolein; 3-(2-methoxyphenyl)prop-2-enal;

(2E)-3-(2-methoxyphenyl)prop-2-enal.



[Intended Use]

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

[Source]

The barks of *Cinnamomum cassia* Presl.

[Biological Activity or Inhibitors]

o-Methoxycinnamaldehyde from cinnamon has antibiotic activity, it is a competitive inhibitor against CYP1A2 while it was a mixed type inhibitor against CYP2E1.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol- H₂O-Acetic acid=45:55:0.05 ;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Hasegawa A, Nakamura H, Yoshino M, *et al. Drug Metabolism & Pharmacokinetics*, 2002, 17(3):229-36.

[2] Wang Y, Zhou X, Liu J, *et al. Chinese Journal of Pharmaceutical Analysis*, 2003, 23:128-30.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com