[Product Information]

Name: 3,4,5-Trimethoxycinnamic acid
Catalog No.: CFN98182
Cas No.: 90-50-6
Purity: >98%
M.F: C_{12}H_{14}O_{5}
M.W: 238.24
Physical Description: White cryst.
Synonyms: (2Z)-3-(3,4,5-Trimethoxyphenyl)prop-2-enoic acid.

[Intended Use]

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

[Source]

The heartwood of Cassia garrettiana.

[Biological Activity or Inhibitors]
3,4,5-Trimethoxycinnamic acid shows hypoxia inducible factor-2 (HIF-2) inhibitory activity with EC50 value of 60.6 uM.\[1\]

3,4,5-Trimethoxycinnamic acid derivatives have a potential antinarcotic effect through acting as a 5-HT(1A) receptor agonist in mice.\[2\]

3,4,5-Trimethoxycinnamic acid would exhibit sedative effects by suppressing norepinephrine content in locus coeruleus.\[3\]

3,4,5-Trimethoxycinnamic acid can enhance pentobarbital-induced sleeping behaviors via GABAAergic systems in mice.\[4\]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ]\[5\]
Mobile phase: Acetonitrile-0.1%Phosphoric acid H2O, gradient elution;
Flow rate:1.0 ml/min;
Column temperature: 30℃;
The wave length of determination:280 nm.

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

[ References ]
[ Contact ]

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