[ Product Information ]

Name: 1-Caffeoylquinic acid

Catalog No.: CFN99121

Cas No.: 1241-87-8

Purity: > 98%

M.F: C₁₆H₁₈O₉

M.W: 354.31

Physical Description: White powder

Synonyms: 1-[(E)-3-(3,4-dihydroxyphenyl)-1-oxoprop-2-enoy]-3,4,5-trihydroxy-1-cyclohexanecarboxylic acid.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Others.

[ Source ]

The herb of Lonicera japonica Thunb.
[Biological Activity or Inhibitors]
Caffeoylquinic acids are the active anti-influenza components of Brazilian green propolis water extract (PWE), the findings might facilitate the prophylactic application of natural products and the realization of novel anti-influenza drugs based on caffeoylquinic acids, as well as further the understanding of cytoprotective intracellular mechanisms in influenza virus-infected cells.[1]
Caffeoylquinic acids have inhibitory effects on monocyte migration and superoxide ion production.[2]

[Solvent]
Pyridine, DMSO, Ethanol, Methanol.

[HPLC Method][3]
Mobile phase: 2.5% Acetic acid in methanol - 2.5% Acetic acid in H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 325 nm.

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

[References]
[ Contact ]

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