

Docosyl caffeate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Docosyl caffeate

Catalog No.: CFN98349

Cas No.: 28593-92-2

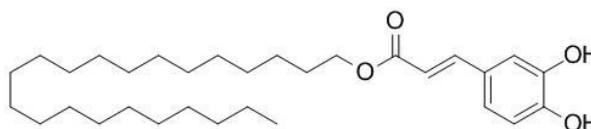
Purity: > 95%

M.F: C₃₁H₅₂O₄

M.W: 488.8

Physical Description: Powder

Synonyms: Docosyl (2E)-3-(3,4-dihydroxyphenyl)acrylate.



[Intended Use]

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

[Source]

The roots of *Glycyrrhiza uralensis* Fisch.

[Biological Activity or Inhibitors]

Docosyl caffeate and eicosanyl caffeate exhibit potent elastase inhibitory activity, with IC₅₀

values of 1.4 microg/mL and 0.99 microg/mL, respectively; they also show moderate antioxidant activity in DPPH and ABTS scavenging assays, indicates that they may have anti-ulcer properties.^[1]

Docosyl caffeate has significant anti-inflammation activity in mice with ear swelling.^[2]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Dey S, Deepak M, Setty M, *et al. Nat. Prod. Res.*,2009;23(18):1657-63.

[2] Lei H E, Shi Q R, Liu R H, *et al. Academic Journal of Second Military Medical University*, 2008,28(10):1221-6.

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