

3-O-cis-p-Coumaroyltormentic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 3-O-cis-p-Coumaroyltormentic acid

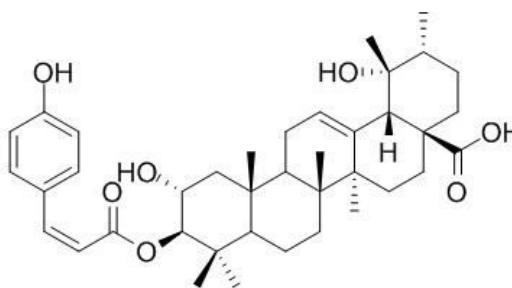
Catalog No.: CFN92211

Cas No.: 121072-40-0

Purity: > 95%

M.F: C₃₉H₅₄O₇

M.W: 634.9



Physical Description: Powder

Synonyms: (2 α ,3 β)-2,19-Dihydroxy-3-[[[(2Z)-3-(4-hydroxyphenyl)-1-oxo-2-propenyloxy]-urs-12-en-28-oic acid.

[Intended Use]

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

[Source]

The herbs of *Potentilla chinensis* Ser.

[Biological Activity or Inhibitors]

3beta-O-cis-p-Coumaroyltormentic acid, and 3beta-O-trans-p-coumaroyltormentic acid are weakly selective for vancomycin-resistant Enterococcus (VRE) compared with eukaryotic cells, with an MIC of 59.4microg/mL and a 50% inhibitory concentration (IC₅₀) of 72.0microg/mL for monkey kidney epithelial (MA104) cells.^[1]

A mixture of 3-O-cis-p-coumaroyltormentic acid and 3-O-trans-p-coumaroyltormentic acid shows an inhibitory effect comparable to (-)-epigallocatechin gallate (EGCG) of green tea on the activation of Epstein-Barr virus early antigen (EBV-EA) induced by 12-O-tetradecanoylphorbol-13-acetate (TPA).^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O=88:12;

Flow rate:1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination:209 nm.

[Storage]

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

[References]

[1] Mcrae J M, Yang Q, Crawford R J, *et al. J. Ethnopharmacol.*,2008 Mar 28;116(3):554-60.

[2] Taniguchi S, Imayoshi Y, Kobayashi E, *et al. Phytochemistry*,2002 Feb;59(3):315-23.

[3] Zhang D X, Chen Z, Li X R, *et al. Guide of China Medicine*, 2011, 09(11):45-6.

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