Natural Products

ChemFaces

Hederacoside C Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Hederacoside C

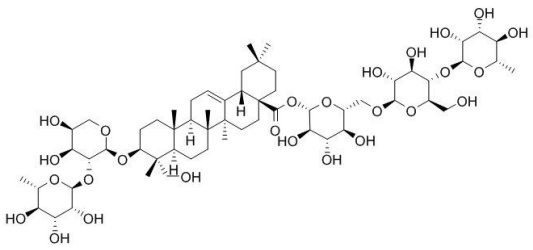
Catalog No.: CFN90183

Cas No.: 14216-03-6

Purity: >=98%

M.F: $C_{59}H_{96}O_{26}$

M.W: 1221.38



Physical Description: White powder

Synonyms:6-Deoxy-alpha-L-mannopyranosyl-(1->4)-D-glucopyranosyl-(1->6)-1-O-[(3beta)-3-{[(2xi)-2-O-(6-deoxy-alpha-L-mannopyranosyl)-alpha-L-erythro-pentopyranosyl]oxy}-23-hydroxy-28-oxoolean-12-en-28-yl]-beta-D-glucopyranose; Kalopanaxsaponin B.

[Intended Use]

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

[Source]

The herbs of *Hedera nepalensis*.

[Biological Activity or Inhibitors]

Hederacoside C has antispasmodic activity.[1]

Hederacoside C only non-competitively inhibits hyaluronidase activity in a dose-dependent fashion, shows comparable IC 50 value is 280.4 uM; it is a potent competitive inhibitor for serine protease porcine pancreatic elastase, shows comparable IC 50 value is 40.6 uM.[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method][3]

Mobile phase: (H2O: acetonitrile: orthophosphoric acid (85%)=860:140:2) - (Acetonitrile: orthophosphoric acid (85%)=998:2) ,gradient elution ;

Flow rate: 1.5 ml/min;

Column temperature: 40 ℃;

The wave length of determination: 205 nm.

[Storage]

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

[References]

[1] Trute A, Gross J, Mutschler E, *et al. Planta Med., 1997, 63(2):125-9.*

[2] Facino R M, Carini M, Stefani R, *et al. Arch. Pharm., 1995, 328(10):720-4.*

[3] Khdair A, Mohammad M K, Tawaha K*, et al. Int. J. Anal. Chem., 2010(10):478143.*

[Contact]

Address:
S5-3 Building, No. 111, Dongfeng Rd.,

Email: info@chemfaces.com
Tel: +86-27-84237783

Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com