[Product Information]
Name: Hederagenin
Catalog No.: CFN98695
Cas No.: 465-99-6
Purity: \( \geq 98\% \)
M.F: \( \text{C}_{30}\text{H}_{48}\text{O}_{4} \)
M.W: 472.70
Physical Description: Powder
Synonyms: (3-beta,4-alpha)-3,23-dihydroxyolean-12-en-28-oicacid;
Astrantiagenine; Hederagenicacid; Hederagenol; Melanthigenin; Caulosapogenin.

[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]
Hederagenin and crude saponin, isolated from Sapindus mukorossi Gaertn, have anti-inflammatory activities.[1]

Hederagenin and its 3-O-glycosides have antimutagenic activity and have cytotoxic on various tumor cell lines, P-388, L-1210, U-937, HL-60, SNU-5 and HepG2, while 3,28-di-O-glycosides of hederagenin are not cytotoxic, they could be suitable for cancer treatment chemopreventive drugs.[2]

Macranthoside B has anti-tumor activities in vitro and in vivo. [3]

Hederagenin and related saponins have anticomplementary activity, they can evoke hemolysis on the erythrocytes.[4]

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

[ HPLC Method ][5]
Mobile phase: Acetonitrile-0.05 % Phosphoric acid H2O=55:45;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 210 nm.

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

[ References ]