

Beta-Hederin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Beta-Hederin

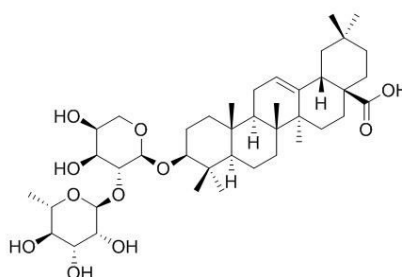
Catalog No.: CFN98558

Cas No.: 35790-95-5

Purity: >=98%

M.F: C₄₁H₆₆O₁₁

M.W: 734.96



Physical Description: White powder

Synonyms: 3 β -(2-O- α -L-Rhamnopyranosyl- α -L-arabinopyranosyloxy)oleana-12-ene-28-oic acid; 3 β -[[2-O-(6-Deoxy- α -L-mannopyranosyl)--L-arabinopyranosyl]oxy]-5 α -olean-12-en-28-oic acid; Prosapogenin CP2; Saponin CP2.

[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]

β -Hederin, isolated from ivy, has antileishmanial activity.^[1]

β -Hederin has apoptotic effect on breast cancer cells, it could be a promising candidate for chemotherapy of breast cancer.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile-1%Phosphoric acid H₂O, gradient elution ;

Flow rate: 0.5 ml/min;

Column temperature: 30 °C;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Cheng M S, Yan M C, Liu Y, *et al. Carbohydr. Res.*, 2006, 341(1):60-7.

[2] Cheng L, Xia T S, Wang Y F, *et al. Plos One*, 2014, 9(6): 9.

[3] Yu M, Shin Y J, Kim N, *et al. J. Chromatogr. Sci.*, 2014, 53(4):478-83.

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