

Esculentoside H Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Esculentoside H

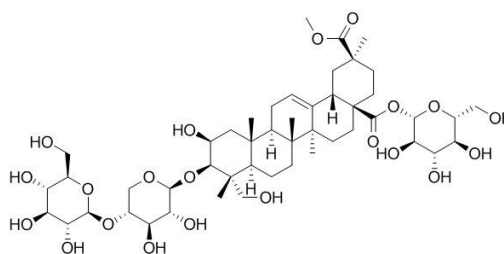
Catalog No.: CFN90657

Cas No.: 66656-92-6

Purity: >=98%

M.F: C₄₈H₇₆O₂₁

M.W: 989.1



Physical Description: Powder

Synonyms: 3-O-(O-beta-D-glucopyranosyl-(1→;4)-beta-D-xylopyranosyl)-28-beta-D-glucopyranosylphytolaccagenin; Phytolaccasaponin B.

[Intended Use]

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

[Source]

The roots of *Phytolacca acinosa* Roxb.

[Biological Activity or Inhibitors]

Esculentoside H has capacity to release tumor necrosis factor.^[1]

Esculentoside H can raise the gene transcription levels of IL 3 and IL 6, thereby to improve the activities of their products.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

HPLC-ELSD:

Mobile phase: Methanol-0.4% Glacial acetic acid =70:30 ;

Flow rate: 1.0 ml/min ;

Column temperature: 30 °C;

Drift tube temperature: 76.5 °C;

Flow rate of gas :2.1 L/min.

[Storage]

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

[References]

[1] Hu Z L, Zhang J P, Yi Y H, *et al. Zhongguo Yao Li Xue Bao.* 1993, 14(6):550-2.

[2] Cao Y, Zheng Q, Jiang Y, *et al. Shanghai J. of Immunology*, 2002, 22(5):334-6.

[3] Ma J, Chen Q L, Lai D W, *et al. J. Liq. Chromatogr. R. T.*, 2010, 33(4):563-71.

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