

Baohuoside VII Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Baohuoside VII

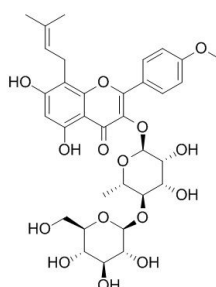
Catalog No.: CFN90765

Cas No.: 119730-89-1

Purity: >=98%

M.F: C₃₃H₄₀O₁₅

M.W: 676.66



Physical Description: Yellow powder

Synonyms: 3,5,7-(Trihydroxy)-4'-methoxyl-8-prenylflavone-3-O-rhamnopyranosyl(4-1)-glucopyranoside; 4H-1-Benzopyran-4-one, 3-((6-deoxy-4-O-beta-D-glucopyranosyl-alpha-L-mannopyranosyl)oxy)-5,7-dihydroxy-2-(4-methoxyphenyl)-8-(3-methyl-2-butenyl)-; 5,7-Dihydroxy-2-(4-methoxyphenyl)-8-(3-methylbut-2-en-1-yl)-4-oxo-4H-chromen-3-yl-4-O-beta-D-allopyranosyl-6-deoxy-beta-D-gulopyranoside.

[Intended Use]

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

[Source]

The herbs of *Epimedium brevicornum Maxim.*

[Biological Activity or Inhibitors]

Baohuoside aglycone possesses cardioprotective effect in prevention of ischemia/reperfusion injury and reduce the myocardial infraction, the mechnism is due to the reduction of the injury of free radicals.^[1]

Baohuoside VII in vivo exhibits significant anti-osteoporosis activity.^[2]

[Solvent]

Pyridine, DMSO, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile-Acetic acid solution(36% acetic acid-H₂O=4:100),gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 272 nm.

[Storage]

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

[References]

[1] Liao M L, Zhang G Z, Xu Z, *et al. Guide of China Medicine*, 2012, 10(10):14-6.

[2] Xin X L, Fan G J, Sun Z, *et al. J.Mol. Catal. B Enzym.*, 2015, 122:141-6.

[3] Guo B L, Wang C L, Chen J M, *et al. Acta Pharm. Sin.*, 1996(4):292-5.

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