

Kumatakenin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kumatakenin

Catalog No.: CFN98423

Cas No.: 3301-49-3

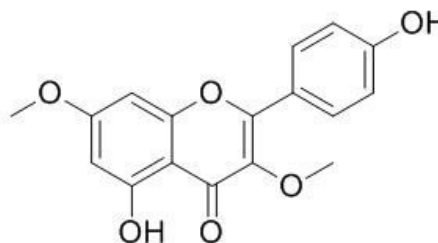
Purity: > 98%

M.F: C₁₇H₁₄O₆

M.W: 314.3

Physical Description: Yellow powder

Synonyms: 5-Hydroxy-2-(4-hydroxyphenyl)-3,7-dimethoxy-1-benzopyran-4-one.



[Intended Use]

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

[Source]

The roots of *Astragalus membranaceus*.

[Biological Activity or Inhibitors]

Kumatakenin, Jaceidin, and Xanthomicrol have effects on isolated smooth muscles of rabbits.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: 2.2% SDS-1.5% n-Octane- 7.75% n-Butanol -0.5% Triethylamine -88% water (with H₃PO₄ adjusted pH3.7);

Flow rate: 0.8 ml/min;

Column temperature: 30 °C;

The wave length of determination: 350 nm.

[Storage]

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

[References]

[1] Afifi F, Alkhalil S, Aqel M. *University of Jordan*, 1990.

[2] Zhu L C, Liu Z H, Li G, *et al. Chinese Journal of Modern Applied Pharmacy*, 2013 (6): 651-4.

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