

Ligustroflavone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ligustroflavone

Catalog No.: CFN90224

Cas No.: 260413-62-5

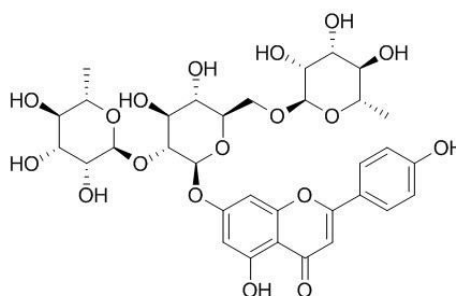
Purity: >=98%

M.F: C₃₃H₄₀O₁₈

M.W: 724.67

Physical Description: Yellow powder

Synonyms: 7-[(O-6-Deoxy-alpha-L-mannopyranosyl-(1->2)-O-[6-deoxy-alpha-L-mannopyranosyl-(1->6)]-beta-D-glucopyranosyl)oxy]-5-hydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one; Nuezhenoside.



[Intended Use]

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

[Source]

The leaves of *Turpinia montana*.

[Biological Activity or Inhibitors]

Ligustroflavone shows high antioxidant capacity.^[1]

Ligustroflavone activates AMPK by increasing ratio of AMP / ATP and promotes adiponectin multimerization by activating AMPK.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol-0.1% Phosphoric acid H₂O=42:58 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Silva E E S, Alencar-Filho J M T, Oliveira A P, *et al. Research Journal of Phytochemistry*, 2014, 8(4):148-54.

[2] Guo W W, Zhang Z J, Li Z. *Chinese Journal of Experimental Traditional Medical Formulae*, 2016(1):18-21.

[3] Qian Y J, Zhang C. *Chinese Traditional Patent Medicine*, 2015, 37(1):116-20.

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