

Bergamotine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Bergamotine

Catalog No.: CFN90592

Cas No.: 7380-40-7

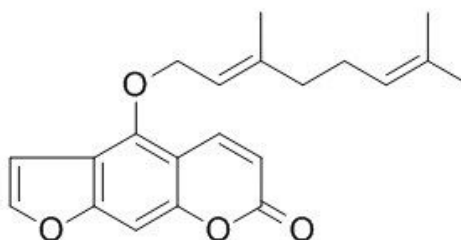
Purity: > 98%

M.F: C₂₁H₂₂O₄

M.W: 338.4

Physical Description: Powder

Synonyms: Bergaptin; 4-[[[(2E)-3,7-dimethylocta-2,6-dien-1-yl]oxy]-7H-furo[3,2-g]chromen-7-one.



[Intended Use]

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

[Source]

The fruits of *Citrus medica* L. var. *sarcodactylis* Swingle.

[Biological Activity or Inhibitors]

Bergamotone can significantly reduce blood glucose and increase glucose tolerance and insulin sensitivity in KK-A^y diabetic mice.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O=60:40 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 268.7 nm.

[Storage]

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

[References]

[1] Li X, Jia S, Sun C D, *et al.* CN104173335A [P]. 2014.

[2] Yan Y J, Dai J. *Journal of Southern Medical University*, 2010, 30(11):2565-7.

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