

Luteone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Luteone

Catalog No.: CFN98655

Cas No.: 41743-56-0

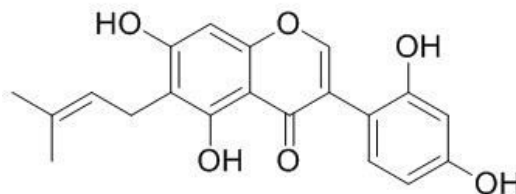
Purity: > 95%

M.F: C₂₀H₁₈O₆

M.W: 354.4

Physical Description: Yellow powder

Synonyms: 4H-1-Benzopyran-4-one, 3-(2,4-dihydroxyphenyl)-5,7-dihydroxy-6-(3-methyl-2-butenyl)-.



[Intended Use]

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

[Source]

The herbs of *Erythrina variegata* Linn.

[Biological Activity or Inhibitors]

Luteone possesses antifungal activity sufficient to support its proposed role as pre-infectional resistance factors.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.5% Acetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 0.4 ml/min;

Column temperature: 40 °C;

The wave length of determination: 259 nm.

[Storage]

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

[References]

[1] Harborne J B, Ingham J L, King L, *et al. Phytochemistry*, 1976, 15(10):1485-7.

[2] Morkunas I, Marczak Ł, Stachowiak J, *et al. Plant Physiol. Biochem.*, 2005, 43(4): 363-73.

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