

Neocryptotanshinone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Neocryptotanshinone

Catalog No.: CFN92181

Cas No.: 109664-02-0

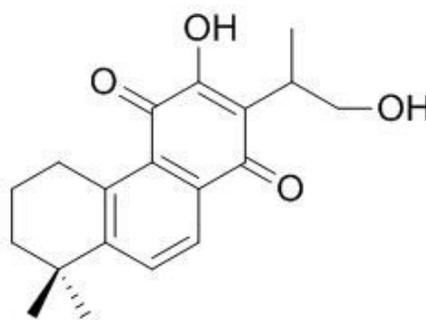
Purity: > 95%

M.F: C₁₉H₂₂O₄

M.W: 314.4

Physical Description: Powder

Synonyms: 1-Hydroxy-2-(1-hydroxypropan-2-yl)-8,8-dimethyl-6,7-dihydro-5H-phenanthrene-3,4-dione.



[Intended Use]

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

[Source]

The roots of *Salvia miltiorrhiza* L.

[Biological Activity or Inhibitors]

Neocryptotanshinone shows anti-inflammatory effect by suppression of NF- κ B and iNOS signaling pathways.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile : 0.1% Trifluoroacetic acid in H₂O gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Wu C, Zhao W, Zhang X, *et al. Acta Pharm. Sin. B*, 2015, 5(4):323-9.

[2] Zhou G, Li Y, Qin M, *et al. Chinese Journal of Pharmaceutical Analysis*, 2012, 32: 1357-61.

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