

Tetrahydrotanshinone I Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Tetrahydrotanshinone I

Catalog No.: CFN90460

Cas No.: 126979-84-8

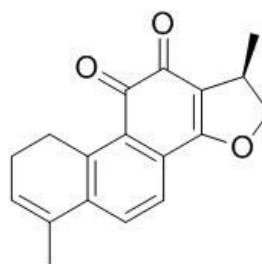
Purity: > 98%

M.F: C₁₈H₁₆O₃

M.W: 280.31

Physical Description: Red powder

Synonyms: 1,6-Dimethyl-1,2,8,9-tetrahydronaphtho[1,2-g]benzofuran-10,11-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*.

[Biological Activity or Inhibitors]

Tetrahydrotanshinone I is one compound of Fufang Danshen Prescription (FDP) , liposome equilibrium dialysis system could simply and effectively estimate the absorption of multiple components in FDP in vivo, and predicts the potential bioactivity of these components, and thus contributes to the investigation of bioactive compounds with curative effect in FDP.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] P Zhou, Li P, Wei Y J. *Chinese Journal of Natural Medicines*, 2008, 6(4):278-82.

[2] Xiao X, Wang Y, Zhang N, *et al. Chinese Journal of Pharmaceutical Analysis*, 2003, 23:455-8.

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