

Isotanshinone IIA Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Isotanshinone IIA

Catalog No.: CFN90357

Cas No.: 20958-15-0

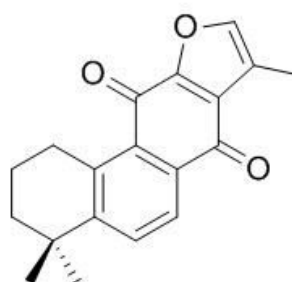
Purity: > 98%

M.F: C₁₉H₁₈O₃

M.W: 294.35

Physical Description: White powder

Synonyms: 1,2,3,4-Tetrahydro-4,4,8-trimethylphenanthro[3,2-b]furan-7,11-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]

Isotanshinone I inhibits the ability of KCs to secrete cytokines, to various degrees, and LPS stimulation of KCs led to increased expression of CD14, TLR2 and TLR4 proteins.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol- 1% Acetic acid H₂O=8:92 ;

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] Shen M, Li J J, Li X. *Journal of Clinical Hepatology*, 2012, 28(11):831-5.

[2] Suo Y K, Huo B K, Qin J G. *Chinese Pharmaceutical Affairs*, 2012, 26(4):379-81.

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