

Daurinoline Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Daurinoline

Catalog No.: CFN90601

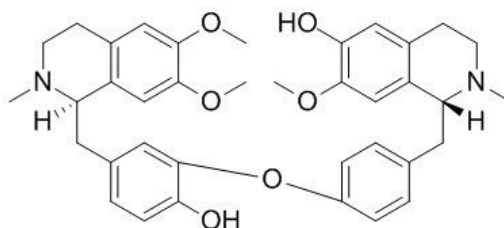
Cas No.: 2831-75-6

Purity: >=98%

M.F: C₃₇H₄₂N₂O₆

M.W: 610.75

Physical Description: Powder



Synonyms: (1R)-1,2,3,4-Tetrahydro-1-[[4-[2-hydroxy-5-[[[(1R)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-isoquinolinyl]methyl]phenoxy]phenyl]methyl]-7-methoxy-2-methyl-6-isoquinolinol.

[Intended Use]

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

[Source]

The roots of *Euchresta japonica*.

[Biological Activity or Inhibitors]

Daurinoline would have a protective function on microcirculation of cerebral pia mater, which may be beneficial to relieve cerebral ischemic injury.^[1]

Daurinoline has relaxation effect on rabbits internal carotid artery smooth muscle, the relaxation action is not obviously associated with the endothelium integrity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Meathnol -Acetonitrile- 0.4% Diethylamine H₂O ,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 285 nm.

[Storage]

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

[References]

[1] Jin Z, Lei Y. *Medical Journal of Wuhan University*, 2011, 32(1):36-9.

[2] Chen M, Lu Y, Zhou M, *et al. Herald of Medicine*, 2015, 34(2):150-3.

[3] Su Q, Sun C, Zhao W N, *et al. Chinese Journal of Pharmaceutical Analysis*, 2012, 32(6):962-5.

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