Natural Products

ChemFaces

Alismoxide Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Alismoxide

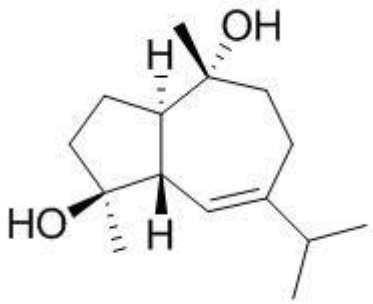
Catalog No.: CFN99775

Cas No.: 87701-68-6

Purity: >=98%

M.F: $C_{15}H_{26}O_2$

M.W: 238.37



Physical Description: Oil

Synonyms:(1S,3aR,4R,8aS)-1,2,3,3a,4,5,6,8a-Octahydro-1,4-dimethyl-7-(1-methylethyl)-1,4-azulenediol.

[Intended Use]

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

[Source]

The tubers of *Alisma plantago-aquatica.*

[Biological Activity or Inhibitors]

Alismoxide shows an inhibitory effect on the direct passive Arthus reaction (DPAR) in rats in the type III allergic model.[1]

Alismoxide has inhibitory effects on vascular contraction induced by high concentration of KCl.[2]

[Solvent]

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

[HPLC Method][3]

Mobile phase: 0.1%Phosphoric acid in water- Acetonitrile,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 ℃;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Kubo M, Matsuda H, Tomohiro N, *et al. Biol. Pharm. Bull., 1997, 20(5):511-6.*

[2] Tadahiro K, Masako T, Miho T, et al. B. *Chem. Soc. Japan, 1994, 67(5):1394-8.*

[3] Li L X, Wang S L, Wang Q, *et al. Jorunal of Chinese Medicinal Materials, 2015, 38(7): 1444-6.*

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