

Atractylone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Atractylone

Catalog No.: CFN92066

Cas No.: 6989-21-5

Purity: > 98%

M.F: C₁₅H₂₀O

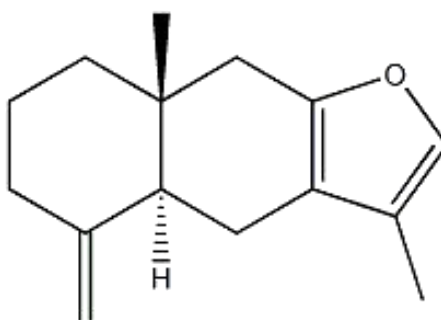
M.W: 216.32

Physical Description: Cryst.

Synonyms:

(4aS)-4,4a α ,5,6,7,8,8a,9-Octahydro-3,8a β -dimethyl-5-methylenenaphtho[2,3-b]furan;

(4aS,8aR)-3,8a-diMethyl-5-Methylene-4,4a,5,6,7,8,8a,9-octahydronaphtho[2,3-b]furan.



[Intended Use]

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

[Source]

The root of *Atractylodes macrocephala*.

[Biological Activity or Inhibitors]

Atractylone has inhibitory effects on mast cell-mediated allergic reactions, it regulates the degranulation of mast cell, proves its potential in the treatment of mast cell-mediated allergic reactions.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 220 nm.

[Storage]

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

[References]

[1] Han N R, Moon P D, Nam S Y, *et al. Chem.Biol. Interact.*, 2016, 258:59-68.

[2] He X W. *China Pharmacy*, 2010(3):249-50.

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