

Mesembrenone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Mesembrenone

Catalog No.: CFN92850

Cas No.: 468-54-2

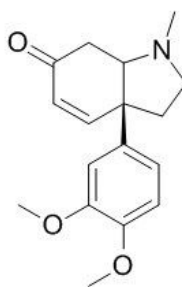
Purity: >=95%

M.F: C₁₇H₂₁NO₃

M.W: 287.35

Physical Description: Powder

Synonyms: (3aR,7aS)-3a-(3,4-dimethoxyphenyl)-1-methyl-1,2,3,3a,7,7a-hexahydro-6H-indol-6-one.



[Intended Use]

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

[Source]

The herbs of *Lampranthus tenuifolius*.

[Biological Activity or Inhibitors]

Mesembrenone, sucrose and obtusalin, the extracts of *Sceletium tortuosum* show antimalarial activity with activity values ranging between 1.47 ug/ml and 7.32 ug/ml, well below the 10 ug/ml cut off value.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O=70:30 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 228 nm.

[Storage]

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

[References]

[1] Setshedi I B. *University of South Africa, Pretoria. 2014.*

[2] Patnala S, Kanfer I. *J. Pharm. Pharmaceut. Sci. 2010, 13(4): 558 -70.*

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