

Curzerene Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Curzerene

Catalog No.: CFN90206

Cas No.: 17910-09-7

Purity: > 98%

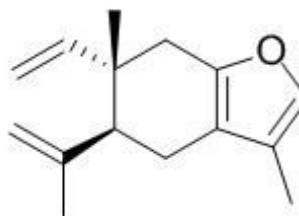
M.F: C₁₅H₂₀O

M.W: 216.32

Physical Description: Powder

Synonyms: Isofuranogermacrene; Isogermafuren;

(6S)-6-Ethenyl-3,6-dimethyl-5-prop-1-en-2-yl-5,7-dihydro-4H-1-benzofuran.



[Intended Use]

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

[Source]

The root of *Lindera strychnifolia*.

[Biological Activity or Inhibitors]

Curzerene is a sesquiterpene and component used in oriental medicine, is originally isolated from the traditional Chinese herbal medicine Curcuma rhizomes, it can induce the downregulation of GSTA1 protein and mRNA expressions in SPC-A1 cells, may be used as an anti-lung adenocarcinoma drug candidate compound for further development.^[1]

Curzerene can cure the animal model of breast precancer rats induced by DMBA, suggests it can cure and prevent breast precancer.^[2]

[Solvent]

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

[HPLC Method]^[3]

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

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 215 nm.

[Storage]

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

[References]

[1] Wang Y, Li J, Guo J, *et al. Planta Med.*, 2016, Jun 10.

[2] Song A L, Yin Y K, Li J W , *et al.Chinese Arch. Trad. Chinese Med.*, 2009(12):2496-9.

[3] Ren M, LI J X. *Chinese J. Exp. Trad .Med. Formulae*, 2013(21):155-8.

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