

Shyobunone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Shyobunone

Catalog No.: CFN98079

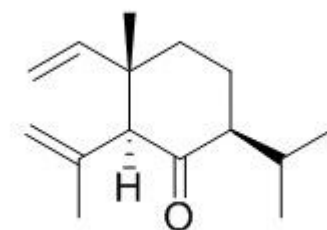
Cas No.: 21698-44-2

Purity: > 95%

M.F: C₁₅H₂₄O

M.W: 220.4

Physical Description: Powder



Synonyms: Cyclohexanone, 3-ethenyl-3-methyl-2-(1-methylethenyl)-6-(1-methylethyl)-, (2S,3S,6S)-; (2S)-3A-Vinyl-3-Methyl-2B-(1-Methylvinyl)-6B-Isopropylcyclohexanone.

[Intended Use]

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

[Source]

The rhizomes of *Acorus calamus* L.

[Biological Activity or Inhibitors]

Shyobunone and isoshyobunone have insecticidal and repellent activity, they exhibit strong contact toxicity against *Lasioderma serricorne* (LS adults with LD₅₀ values of 20.24 and 24.19 ug/adult, respectively; they are strongly repellent against *Tribolium castaneum* (TC) at 78.63 nL/cm².^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.5% Formic acid in water- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Chen H P, Yang K, Zheng L S, *et al. Pharmacogn. Mag.*, 2015, 11(44):675-81.

[2] Huang X, Li G C, Yin L, *et al. Acta Pharm. Sin.*, 2015(1):86-93.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com