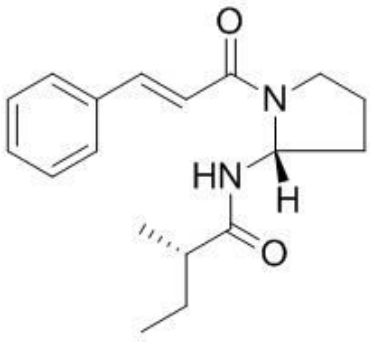
Natural Products

ChemFaces

Odorine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]



Name: Odorine

Catalog No.: CFN97210

Cas No.: 72755-20-5

Purity: > 98%

M.F: $C_{18}H_{24}N_2O_2$

M.W: 300.4

Physical Description: Powder

Synonyms: (2R)-2-methyl-N-[1-[(E)-1-oxo-3-phenylprop-2-enyl]-2-pyrrolidinyl]butanamide; N-Cinnamoyl-2-(2-methylbutanoylamino)pyrrolidine; Roxburghiline.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[Source]

The herbs of *Aglaia odorata.*

[Biological Activity or Inhibitors]

Odorine and odorinol have cancer chemopreventive activity, they exhibit potent anti-carcinogenic effects in a two-stage carcinogenesis test of mouse skin induced by 7,12-dimethylbenz[a]anthracene (DMBA) as an initiator and 12-O-tetradecanoylphorbol-13-acetate (TPA) as a promoter, they show remarkable inhibitory effects in two-stage mouse skin carcinogenesis models induced by nitric oxide (NO)donors such as (+/-)-(E)-methyl-2-[(E)-hydroxyimino]-5-nitro-6-methoxy-3-hexenamide (NOR-1) or peroxynitrite as an initiator and TPA as a promoter; they inhibit both the initiation and promotion stages of two-stage skin carcinogenesis.[1]

[Solvent]

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

[HPLC Method]

Mobile phase: MeOH: 0.1% H_3PO_4 H_2O gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Inad A, Nishino H, Kuchide M, *et al. Biol. Pharm. Bull., 2001, 24(11):1282-5.*

[Contact]

Address: **Email:** info@chemfaces.com

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

Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com