[ Product Information ]

Name: Ferruginol

Catalog No.: CFN92178

Cas No.: 514-62-5

Purity: > 95%

M.F: C_{20}H_{30}O

M.W: 286.45

Physical Description: Powder

Synonyms:
3-Phenanthrenol,4b,5,6,7,8a,9,10-octahydro-4b,8,8-trimethyl-2-(1-methylethyl)-,
(4bS,8aS)-; trans-Ferruginol ; (+)-Ferruginol;
3-Phenanthrenol,4b,5,6,7,8,8a,9,10-octahydro-4b,8,8-trimethyl-2-(1-methylethyl)-,
(4bS-trans)-; Podocarpa-8,11,13-trien-12-ol, 13-isopropyl- (7CI,8CI).

[ Intended Use ]

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

[ Source ]
The herbs of *Salvia yunnanensis*.

**[Biological Activity or Inhibitors]**

Ferruginol, a bioactive compound isolated from a Chilean tree (Podocarpaceae), has anti-fungal, anti-bacterial, cardioprotective, anti-oxidative, anti-plasmodial and anti-ulcerogenic actions; ferruginol also has anti-tumoral activity, it induces PC3 cell death via activation of caspases as well as apoptosis-inducing factor (AIF) by its translocation into the nucleus, the anti-tumoral activity of ferruginol might be related to redox status modulation.[1]

Ferruginol acts as gastroprotective increasing the PGs content, protecting the cells against lipid peroxidation and improving the gastric ulcer healing by a stimulating effect on the cell proliferation, it may as a potential new anti-ulcerogenic drug.[2]

Ferruginol and some phthalimide containing analogues have potential antimalarial activity with low cytotoxicity in mammalian cells. [3]

**[Solvent]**

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

**[HPLC Method]** [4]

Mobile phase: Methanol- 1% Acetic acid H2O=90:10;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

**[Storage]**

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

**[References]**


[Contact]

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