[Product Information]

Name: Peimisine
Catalog No.: CFN98144
Cas No.: 19773-24-1
Purity: >=98%
M.F: C_{27}H_{41}NO_{3}
M.W: 427.62
Physical Description: Powder
Synonyms: Veratraman-6(5H)-one, 17,23-epoxy-3-hydroxy-, (3beta)-.

[Intended Use]

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

[Source]

The bulbs of Fritillaria cirrhosa.

[Biological Activity or Inhibitors]

Peimisine can affect M-receptor, excit β-receptor, restrain the release of internal calcium,
and promote to release nitrogen monoxidum in order to relax tracheal smooth muscle and relieve asthma.[1]

Peimisine can attenuate lung tissue injury(ALI), LDH and MDA amount in ALI mice in a dose dependent manner, it also lower the total protein,total white blood cells,lymphocyte and neutrophilic leukocyte in bronchoalveolar lavage fluid(BALF); suggests that peimisine can play a protective role against LPS-induced acute lung injury.[2]

Peimisine has the protective effect on the experimental hepatic fibrosis formation, the possible mechanisms are associated with inhibiting fibrogenesis and fibrosis accumulation,and decreasing lipid peroxidation. [3]

Peimisine can inhibit angiotensin I converting enzyme activity in a dose-dependent manner, displaying 50 % inhibitory concentration values of 526.5 microM, thus, it may have antihypertensive action .[4]

[ Solvent ]

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

[ HPLC Method ] [5]

Mobile phase: 0.03% Trifluoroacetic acid in water- Methanol,gradient elution ;
Flow rate: 1.0 ml/min;
Column temperature: 30 ℃;
The wave length of determination: 260 nm.

[ Storage ]

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

[ References ]


[Contact]

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