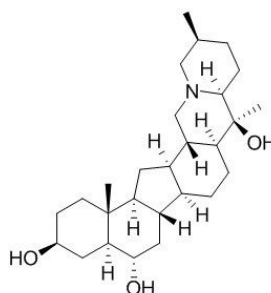


## Peimine Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Peimine**Catalog No.:** CFN99996**Cas No.:** 23496-41-5**Purity:** >=98%**M.F:** C<sub>27</sub>H<sub>45</sub>NO<sub>3</sub>**M.W:** 431.66**Physical Description:** Powder**Synonyms:** Isodihydroimperialine; Cevane-3,6,20-triol, (3 $\beta$ , 5 $\alpha$ , 6 $\alpha$ )-.**[ Intended Use ]**

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

**[ Source ]**The bulbous of *Fritillaria thunbergii* Miq.**[ Biological Activity or Inhibitors ]**

Peimine has good anti-inflammatory effects in vivo, it inhibits the production of

inflammatory cytokines induced by LPS through blocking MAPKs and NF- $\kappa$ B signaling pathways.<sup>[1]</sup>

Peimine and peiminine have antitussive and sedative actions, the former action being suspected to be central in nature.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[3]</sup>**

HPLC-ELSD

Mobile phase: Acetonitrile-Diethylamine-H<sub>2</sub>O=70:0.03:30;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

Drift tube temperature: 90 °C;

Flow rate of gas : 2.2 L/min.

## **[ Storage ]**

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

## **[ References ]**

[1] Yi P F, Wu Y C, Dong H B, *et al. Immunopharm. Immunot.*, 2013, 35(5):567-72.

[2] Qian B C, Xu H J. *Acta Pharmaceutica Sinica*, 1985, 20(4):306-8.

[3] Han J, Ding Y, Song P. *China Pharmacist*, 2009, 12(5):595-7.

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