



LKT Laboratories, Inc.

Peiminine

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Product Information

Product ID P1635

CAS No. 18059-10-4

Chemical Name (1R,2S,6S,9S,10S,11S,14S,15S,18S,20S,23R,24S)-10,20-dihydroxy-6,10,23-trimethyl-4-azahexacyclo[12.11.0.0.02,11.04,9.015,24.018,23]pentacosan-17-one

Synonym Imperialine, verticinone, Fritillarine, Zhebeinone

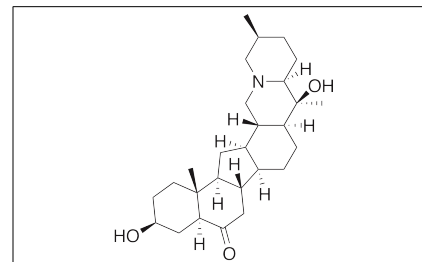
Formula C₂₇H₄₃NO₃

Formula Wt. 429.64

Melting Point

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P1635	5 mg	\$112.20
P1635	10 mg	\$173.70
P1635	25 mg	\$306.20

Store Temp Ambient

Ship Temp Ambient

Description Peiminine is a steroidal alkaloid found in a variety of species of the *Fritillaria* plant; it acts as an expectorant and anti-tussive in cough medications. Peiminine increases cAMP, inhibits M2 mAChRs, and may negatively modulate transient receptor potential channels TRPV1 and TRPA1 in vitro. Peiminine also displays anti-inflammatory activity in animal models of pulmonary fibrosis, decreasing levels of IFN-γ, TGF-β, NF-κB, ERK1/2, and FasL.

References Guo H, Ji F, Liu B, et al. Peiminine ameliorates bleomycin-induced acute lung injury in rats. *Mol Med Rep.* 2013 Apr;7(4):1103-10. PMID: 23404624.

Zhang Y, Sreekrishna K, Lin Y, et al. Modulation of transient receptor potential (TRP) channels by Chinese herbal extracts. *Phytother Res.* 2011 Nov;25(11):1666-70. PMID: 21432926.

Zhou Y, Ji H, Lin BQ, et al. The effects of five alkaloids from *Bulbus Fritillariae* on the concentration of cAMP in HEK cells transfected with muscarinic M(2) receptor plasmid. *Am J Chin Med.* 2006;34(5):901-10. PMID: 17080553.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.