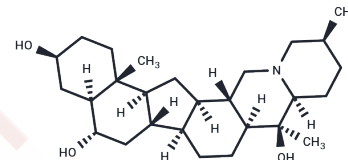


Peimine

Chemical Properties

CAS No. :	23496-41-5
Formula:	C ₂₇ H ₄₅ NO ₃
Molecular Weight:	431.65
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	1. Peimine (Wanpeinine A) has good anti-inflammatory effects in vivo. 2. Peimine is an inhibitor to inhibit LPS-induced production of inflammatory cytokines by blocking the MAPKs and NF-κB signaling pathway.
Targets(IC50)	Apoptosis,Others,NF-κB,Interleukin,p38 MAPK,TNF

Solubility Information

Solubility	DMSO: 45 mg/mL (104.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.63 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3167 mL	11.5835 mL	23.1669 mL
5 mM	0.4633 mL	2.3167 mL	4.6334 mL
10 mM	0.2317 mL	1.1583 mL	2.3167 mL
50 mM	0.0463 mL	0.2317 mL	0.4633 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yi P F , Wu Y C , Dong H B , et al. Peimine impairs pro-inflammatory cytokine secretion through the inhibition of the activation of NF- κ B and MAPK in LPS-induced RAW264.7 macrophages[J]. Journal of Immunopharmacology, 2013, 35(5):6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481