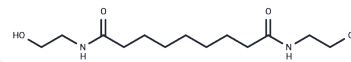


Adelmidrol

Chemical Properties

CAS No. : 1675-66-7
Formula: C₁₃H₂₆N₂O₄
Molecular Weight: 274.36
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	Adelmidrol is an anti-inflammatory ethanolamide derivative of azelaic acid.
Targets(IC50)	NF-κB,COX,PPAR
In vitro	Adelmidrol is an anti-inflammatory ethanolamide derivative of azelaic acid.

Solubility Information

Solubility	DMSO: 55 mg/mL (200.47 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 (7.29 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	3.6448 mL	18.2242 mL	36.4485 mL
5 mM	0.729 mL	3.6448 mL	7.2897 mL
10 mM	0.3645 mL	1.8224 mL	3.6448 mL
50 mM	0.0729 mL	0.3645 mL	0.729 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

Petrosino S, et al. Adelmidrol increases the endogenous concentrations of palmitoylethanolamide in canine keratinocytes and down-regulates an inflammatory reaction in an in vitro model of contact allergic dermatitis. *Vet J.* 2016 Jan;207:85-91.

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