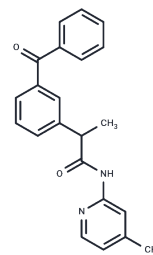


Piketoprofen

Chemical Properties

CAS No. :	60576-13-8
Formula:	C ₂₂ H ₂₀ N ₂ O ₂
Molecular Weight:	344.41
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Piketoprofen (Calmatel) is a topical nonsteroidal anti-inflammatory agent.
Targets(IC50)	Others
In vitro	piketoprofen is non-steroidal anti-inflammatory drugs (arylpropionic acid derivatives) often used as topical anti-inflammatory agents[3].

Solubility Information

Solubility	DMSO: 60 mg/mL (174.21 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 (5.81 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	2.9035 mL	14.5176 mL	29.0352 mL
5 mM	0.5807 mL	2.9035 mL	5.807 mL
10 mM	0.2904 mL	1.4518 mL	2.9035 mL
50 mM	0.0581 mL	0.2904 mL	0.5807 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

Fernández-Jorge B, Goday Buján JJ, Paradela S, Mazaira M, Fonseca E. Consort photocontact dermatitis from piketoprofen. *Contact Dermatitis*. 2008 Feb;58(2):113-5. doi: 10.1111/j.1600-0536.2007.01183.x. PubMed PMID: 18186752.

Rodríguez-Lozano J, Goday Buján JJ, Del Pozo J, Fonseca E. Allergic contact dermatitis from topical piketoprofen. *Contact Dermatitis*. 2005 Feb;52(2):110-1. PubMed PMID: 15725293.

López-Abad R, Paniagua MJ, Botey E, Gaig P, Rodríguez P, Richart C. Topical dexketoprofen as a cause of photocontact dermatitis. *J Investig Allergol Clin Immunol*. 2004;14(3):247-9. PubMed PMID: 15552721.

Buján JJ, Morante JM, Güemes MG, Del Pozo Losada J, Capdevila EF. Photoallergic contact dermatitis from piketoprofen. *Contact Dermatitis*. 2000 Nov;43(5):315. PubMed PMID: 11016682.

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