

Prednicarbate

Chemical Properties

CAS No.:	73771-04-7
Formula:	C ₂₇ H ₃₆ O ₈
Molecular Weight:	488.57
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Prednicarbate is a Corticosteroid Hormone Receptor Agonist. Prednicarbate has antipruritic, anti-inflammatory, and vasoconstrictive properties. It also decreases the number of circulating lymphocytes by inhibiting the production of vasodilators such as nitric oxide and prostacyclin.
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Solubility Information

Solubility	Water: Insoluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.047 mL	10.234 mL	20.468 mL
5 mM	0.409 mL	2.047 mL	4.094 mL
10 mM	0.205 mL	1.023 mL	2.047 mL
50 mM	0.041 mL	0.205 mL	0.409 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Otero-Rivas MM, Ruiz-González I, Pérez-Bustillo A, Rodríguez-Prieto MÁ. Allergic contact dermatitis caused by prednicarbate presenting as chronic hand eczema. *Contact Dermatitis*. 2015 Jul;73(1):51-2. doi: 10.1111/cod.12374. Epub 2015 Apr 13. PubMed PMID: 25864447.
2. Bätz FM, Klipper W, Korting HC, Henkler F, Landsiedel R, Luch A, von Fritschen U, Weindl G, Schäfer-Korting M. Esterase activity in excised and reconstructed human skin--biotransformation of prednicarbate and the model dye fluorescein diacetate. *Eur J Pharm Biopharm*. 2013 Jun;84(2):374-85. doi: 10.1016/j.ejpb.2012.11.008. Epub 2012 Nov 29. PubMed PMID: 23201050.
3. Katzer K, Tietze J, Klein E, Heinemann V, Ruzicka T, Wollenberg A. Topical therapy with nadifloxacin cream and prednicarbate cream improves acneiform eruptions caused by the EGFR-inhibitor cetuximab - A report of 29 patients. *Eur J Dermatol*. 2010 Jan-Feb;20(1):82-4. doi: 10.1684/ejd.2010.0806. Epub 2009 Oct 2. PubMed PMID: 19797039.
4. Baspinar Y, Keck CM, Borchert HH. Development of a positively charged prednicarbate nanoemulsion. *Int J Pharm*. 2010 Jan 4;383(1-2):201-8. doi: 10.1016/j.ijpharm.2009.09.002. Epub 2009 Sep 10. PubMed PMID: 19747968.

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