

Prednicarbate

Chemical Properties

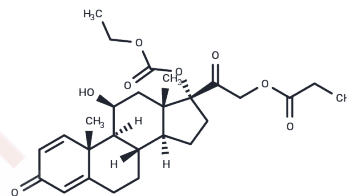
CAS No. : 73771-04-7

Formula: C₂₇H₃₆O₈

Molecular Weight: 488.57

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 | Prednicarbate (Hoe 777) 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. |
| Targets(IC50) | Glucocorticoid Receptor,Others |

Solubility Information

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|------------|---|
| Solubility | H ₂ O: Insoluble, DMSO: 10 mg/mL (20.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0468 mL | 10.2339 mL | 20.4679 mL |
| 5 mM | 0.4094 mL | 2.0468 mL | 4.0936 mL |
| 10 mM | 0.2047 mL | 1.0234 mL | 2.0468 mL |
| 50 mM | 0.0409 mL | 0.2047 mL | 0.4094 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

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.

Bätz FM, et al. 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.

Katzer K, et al. 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.

Baspinar Y, Keck CM, Borchert HH. Development of a positively charged prednicarbate nanoemulsion. *Int J Pharm*. 2010 Jan 4;383(1-2):201-8.

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