



LKT Laboratories, Inc.

Prednisolone Sodium Phosphate

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Product Information

Product ID P7012

CAS No. 125-02-0

Chemical Name 11 β ,17,21-Trihydroxypregna-1,4-diene-3,20-dione 21-(disodium phosphate)

Synonym Hydeltrasol, Prednisolone 21-phosphate disodium

Formula C₂₁H₂₇Na₂O₈P

Formula Wt. 484.39

Melting Point

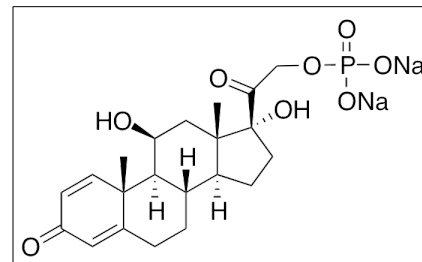
Purity $\geq$ 98%

Solubility Soluble in water (250 mg/mL), methanol (77 mg/mL) and ethanol.

Store Temp Ambient

Ship Temp Ambient

Description Prednisolone is a derivative of cortisol and a metabolite of prednisone; it exhibits immunosuppressive and anti-inflammatory activities. Prednisolone activates glucocorticoid receptors and is clinically used to treat inflammatory and autoimmune disorders. In mononuclear cells from subjects with multiple sclerosis, prednisolone decreases expression of T-bet, IFN γ , and phosphorylated STAT1, decreasing lymphocyte apoptosis. Additionally, prednisolone delays the progression of Duchenne muscular dystrophy (DMD), altering muscle fiber types in vivo. This form of prednisolone is water soluble.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P7012	1 g	\$137.90
P7012	5 g	\$220.50
P7012	10 g	\$358.40
P7012	25 g	\$661.50

References Frisullo G, Nociti V, Iorio R, et al. Glucocorticoid treatment reduces T-bet and pSTAT1 expression in mononuclear cells from relapsing remitting multiple sclerosis patients. Clin Immunol. 2007 Sep;124(3):284-93. PMID: 17627892.

Fisher I, Abraham D, Bouri K, et al. Prednisolone-induced changes in dystrophic skeletal muscle. FASEB J. 2005 May;19(7):834-6. Erratum in: FASEB J. 2005 May;19(7):1 p following 836. Hoffmann, Eric P [corrected to Hoffman, Eric P]. PMID: 15734791.

Davis M, Williams R, Chakraborty J, et al. Prednisone or prednisolone for the treatment of chronic active hepatitis? A comparison of plasma availability. Br J Clin Pharmacol. 1978 Jun;5(6):501-5. PMID: 656293.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.