



LKT Laboratories, Inc.

Prednisone Acetate

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Product Information

Product ID P7021

CAS No. 125-10-0

Chemical Name 17,21-Dihydroxypregna-1,4-diene-3,11,20-trione acetate

Synonym Prednisone 21-acetate, Pred Forte

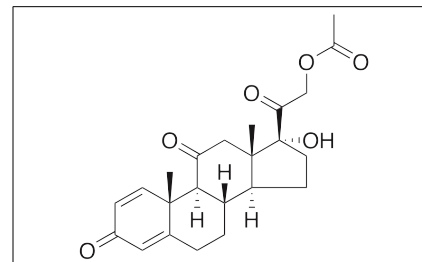
Formula $C_{23}H_{28}O_6$

Formula Wt. 400.46

Melting Point 226-232°C (dec)

Purity ≥98%

Solubility Insoluble in water. Slightly soluble in ethanol.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P7021	1 g	\$62.90
P7021	5 g	\$208.70
P7021	25 g	\$729.40

Store Temp Ambient

Ship Temp Ambient

Description Prednisone is a synthetic corticosteroid/glucocorticoid that exhibits no biological activity until converted to its active metabolite, prednisolone. Once converted, this compound exhibits anti-inflammatory, immunosuppressive, anti-allergic, neuroprotective, and anticancer chemotherapeutic activities. Prednisone is one component of the CHOP chemotherapeutic cocktail that is clinically used to treat leukemias and lymphomas; in animal models of subarachnoid hemorrhage, CHOP inhibits neuronal apoptosis. Prednisone also inhibits expression of IL-6 and is clinically used to treat rheumatoid arthritis.

References Hoy SM. Bendamustine: a review of its use in the management of chronic lymphocytic leukaemia, rituximab-refractory indolent non-Hodgkin's lymphoma and multiple myeloma. *Drugs*. 2012 Oct 1;72(14):1929-50. PMID: 22950536.

Clarke L, Kirwan J. Efficacy, safety and mechanism of action of modified-release prednisone in rheumatoid arthritis. *Ther Adv Musculoskelet Dis*. 2012 Jun;4(3):159-66. PMID: 22850902.

He Z, Ostrowski RP, Sun X, et al. CHOP silencing reduces acute brain injury in the rat model of subarachnoid hemorrhage. *Stroke*. 2012 Feb;43(2):484-90. PMID: 22180248.

Manns MP, Strassburg CP. Therapeutic strategies for autoimmune hepatitis. *Dig Dis*. 2011;29(4):411-5. PMID: 21894012.

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