LKT Laboratories, Inc.

Prednisone

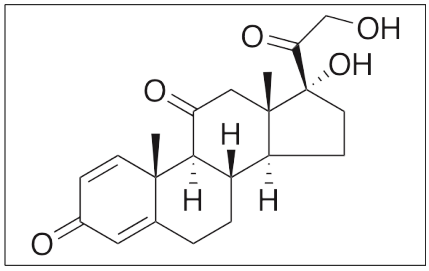
Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID P7020
CAS No. 53-03-2
Chemical Name 17,21-Dihydroxypregna-1,4-diene-3,11,20-trione

Synonym Ancortone, Colisone, Decortin, Hostacortine, Orasone, Paracort, Sone, Ultracorten

Formula $C_{21}H_{26}O_5$
Formula Wt. 358.43
Melting Point 233-235°C (dec)
Purity ≥98%
Solubility Slightly soluble in water and ethanol (6.5 mg/mL).



Bulk quanitites available upon request

Product ID	Size
P7020	1 g
P7020	5 g
P7020	25 g

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.