



LKT Laboratories, Inc.

Methylprednisolone

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Product Information

Product ID M1877
CAS No. 83-43-2
Chemical Name (6 α ,11 β)-11,17,21-Trihydroxy-6-methylpregna-1,4-diene-3,20-dione

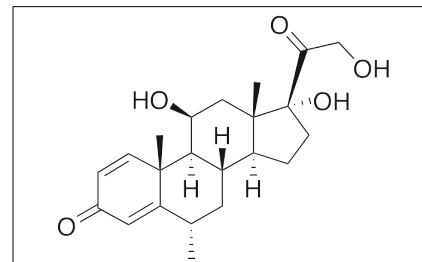
Synonym Medrate, Medrol, Medrone, Urbason

Formula C₂₂H₃₀O₅
Formula Wt. 374.47
Melting Point 228-237°C
Purity ≥96%
Solubility Slightly soluble in ethanol (10 mg/mL), dioxane, acetone, or chloroform. Insoluble in water.

Store Temp 4°C

Ship Temp Ambient

Description Methylprednisolone is a synthetic glucocorticoid that displays anti-inflammatory and immunosuppressive activities. In vitro, methylprednisolone decreases survival of activated CD4⁺ T cells. In glioblastoma cells, this compound inhibits oxidative stress-induced apoptosis. Additionally, methylprednisolone decreases infiltration of immune cells and suppresses release of inflammatory cytokines in animal models of inflammation.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M1877	100 mg	\$116.00
M1877	500 mg	\$350.80
M1877	1 g	\$598.50

References Lu YS, Pu LY, Li XC, et al. Methylprednisolone inhibits activated CD4⁺ T cell survival promoted by toll-like receptor ligands. *Hepatobiliary Pancreat Dis Int.* 2010 Aug;9(4):376-83. PMID: 20688601.

Das A, Banik NL, Ray SK. Methylprednisolone and indomethacin inhibit oxidative stress mediated apoptosis in rat C6 glioblastoma cells. *Neurochem Res.* 2007 Nov;32(11):1849-56. PMID: 17570061.

Sloka JS, Stefanelli M. The mechanism of action of methylprednisolone in the treatment of multiple sclerosis. *Mult Scler.* 2005 Aug;11(4):425-32. PMID: 16042225.

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