



LKT Laboratories, Inc.

Triamcinolone Acetonide

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Product Information

Product ID T6832

CAS No. 76-25-5

Chemical Name 9-Fluoro-11beta,16alpha,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone

Synonym Adcortyl, AristocortR, Delphicort, Extracort, NasacortR

Formula C₂₄H₃₁FO₆

Formula Wt. 434.50

Melting Point 292-294°C

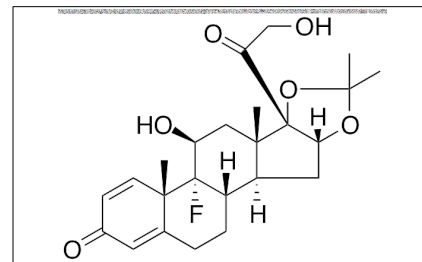
Purity ≥98%

Solubility Sparingly soluble in methanol, acetone or ethyl acetate.

Store Temp Ambient

Ship Temp Ambient

Description Triamcinolone is a synthetic steroid that downregulates expression of VEGF and exhibits anti-inflammatory and anti-angiogenic activities; it is an agonist at the glucocorticoid receptor. Triamcinolone is clinically used to treat retinal edema and other ocular pathologies and may cause ocular hypertension.



Bulk quantities available upon request

Product ID	Size
T6832	50 mg
T6832	250 mg
T6832	1 g
T6832	5 g

References Zhou H, Yang L, Li H, et al. Downregulation of VEGF mRNA expression by triamcinolone acetonide acetate-loaded chitosan derivative nanoparticles in human retinal pigment epithelial cells. *Int J Nanomedicine*. 2012;7:4649-60. PMID: 22942646.

McAllister IL, Vijayasekaran S, Chen SD, et al. Effect of triamcinolone acetonide on vascular endothelial growth factor and occludin levels in branch retinal vein occlusion. *Am J Ophthalmol*. 2009 May;147(5):838-46, 846.e1-2. PMID: 19211093.

Mizuno D, Matsubara A, Ogura Y. Effect of posterior sub-tenon administration of triamcinolone acetonide on leukocyte dynamics in rat retinal microcirculation after panretinal photocoagulation. *Invest Ophthalmol Vis Sci*. 2008 May;49(5):2127-33. PMID: 18436845.

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