



LKT Laboratories, Inc.

Triamcinolone Acetonide Acetate

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Product Information

Product ID T7044

CAS No.

Chemical Name (11B,16 α)-9-Fluoro-11,12-dihydroxy-16,17-[1-methylethylidenebis-(oxy)]pregna-1,4-diene-3,20-dione 21-acetate.

Synonym Triamcinolone acetonide 21-acetate

Formula C₂₆H₃₃FO₇

Formula Wt. 476.53

Melting Point 268-270° C

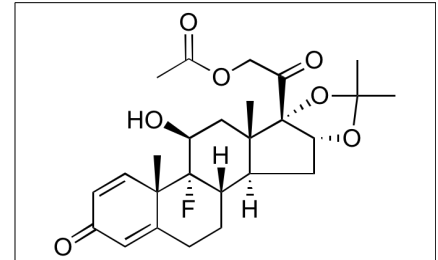
Purity \geq 97%

Solubility Sparingly soluble in ethanol, acetone.

Store Temp Ambient

Ship Temp Ambient

Description Triamcinolone is a glucocorticoid/steroid that downregulates expression of VEGF and exhibits anti-inflammatory and anti-angiogenic activities. Triamcinolone is clinically used to treat retinal edema and other ocular pathologies and may cause ocular hypertension.



Product ID	Size
T7044	50 mg
T7044	250 mg
T7044	1 g
T7044	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.