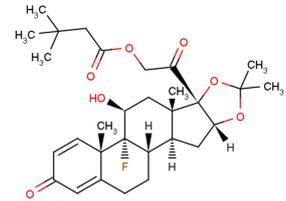


Data Sheet (Cat.No.T17162)

Triamcinolone hexacetonide

Chemical Properties

CAS No.:	5611-51-8
Formula:	C ₃₀ H ₄₁ FO ₇
Molecular Weight:	532.64
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Triamcinolone hexacetonide is used long-acting steroids in the treatment of subacute and chronic inflammatory joint diseases.
Targets(IC ₅₀)	Others: None
In vivo	Triamcinolone hexacetonide produces a marked, dose-dependent protective effect in the model of chemically induced articular cartilage damage. Guinea pig injected with Triamcinolone hexacetonide shows much less prominent fibrillation and osteophytes. A single injection of Triamcinolone hexacetonide into the ipsilateral knee of rabbits which have been subjected to partial lateral meniscectomy and transection of the sesamoid and collateral fibular ligaments reduces chondrocyte cloning, loss of cells, osteophyte formation, and fibrillation. The half-life of commercially available Triamcinolone hexacetonide in the vitreous is double that of Triamcinolone hexacetonide. Local application of Triamcinolone hexacetonide at a site of lingual nerve injury leads to changes that are potentially beneficial such as reduced mechanical sensitivity and enhanced regeneration [1][2][3].

Solubility Information

Solubility	DMSO: 41.67 mg/mL (78.23 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.877 mL	9.387 mL	18.774 mL
5 mM	0.375 mL	1.877 mL	3.755 mL
10 mM	0.188 mL	0.939 mL	1.877 mL
50 mM	0.038 mL	0.188 mL	0.375 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Williams JM, et al. Triamcinolone hexacetonide protects against fibrillation and osteophyte formation following chemically induced articular cartilage damage. *Arthritis Rheum.* 1985 Nov;28(11):1267-74.
2. Abd-El-Barr MM, et al. Safety and pharmacokinetics of triamcinolone hexacetonide in rabbit eyes. *J Ocul Pharmacol Ther.* 2008 Apr;24(2):197-205.
3. Yates JM, et al. The effect of triamcinolone hexacetonide on the spontaneous and mechanically-induced ectopic discharge following lingual nerve injury in the ferret. *Pain.* 2004 Oct;111(3):261-9.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481