

Isoflupredone Acetate

Chemical Properties

CAS No.:	338-98-7
Formula:	C ₂₃ H ₂₉ FO ₆
Molecular Weight:	420.48
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Isoflupredone Acetate is a corticosteroid with the activity of topical anti-inflammatory.
-------------	---

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.378 mL	11.891 mL	23.782 mL
5 mM	0.476 mL	2.378 mL	4.756 mL
10 mM	0.238 mL	1.189 mL	2.378 mL
50 mM	0.048 mL	0.238 mL	0.476 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. Trahan RA, Byron CR, Dahlgren LA, Pleasant RS, Werre SR. In vitro effects of three equimolar concentrations of methylprednisolone acetate, triamcinolone acetonide, and isoflupredone acetate on equine articular tissue cocultures in an inflammatory environment. *Am J Vet Res.* 2018 Sep;79(9):933-940. doi: 10.2460/ajvr.79.9.933. PubMed PMID: 30153056.
2. Knych HK, Harrison L, Chouicha N, Kass PH. Expression of inflammatory and structural matrix genes in synovial fluid following intra-articular administration of isoflupredone acetate to exercised horses. *Equine Vet J.* 2018 Jul;50(4):504-512. doi: 10.1111/evj.12771. Epub 2017 Nov 17. PubMed PMID: 29044706.
3. Cho SH, Park JA, Zheng W, Abd El-Aty AM, Kim SK, Choi JM, Yi H, Cho SM, Afifi NA, Shim JH, Chang BJ, Kim JS, Shin HC. Quantification of bupivacaine hydrochloride and isoflupredone acetate residues in porcine muscle, beef, milk, egg, shrimp, flatfish, and eel using a simplified extraction method coupled with liquid chromatography-triple quadrupole tandem mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2017 Oct 15;1065-1066:29-34. doi: 10.1016/j.jchromb.2017.09.026. Epub 2017 Sep 19. PubMed PMID: 28946122.
4. Knych HK, Harrison LM, White A, McKemie DS. Disposition of isoflupredone acetate in plasma, urine and synovial fluid following intra-articular administration to exercised Thoroughbred horses. *Drug Test Anal.* 2016 Jan;8(1):141-7. doi: 10.1002/dta.1834. Epub 2015 Sep 1. PubMed PMID: 26333097.

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