

产品名称: Loteprednol Etabonate

产品别名: Loteprednol Etabonate

生物活性:				
Description	Loteprednol etabonate (LE) is an orally active "soft" steroid belonging to a unique class of glucocorticoids. Loteprednol etabonate (LE) exhibits anti-inflammatory activity and has been used in optometry and ophthalmology[1][2][3].			
In Vivo	Intravenous administration of Loteprednol etabonate (5 mg/kg) to dogs reveals a terminal half-life of 2.8 h, a volume of distribution of 3.7 L/kg, and a total body clearance of 0.9 L/h/kg. Intact loteprednol etabonate was not detectable in the urine. After oral administration of the drug (5 mg/kg) to dogs, only metabolites, but no intact drug, were found in the plasma, an indication for a high first-pass effect.			
Solvent&Solubility	In Vitro: DMSO : ≥ 45 mg/mL (96.37 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	2.1416 mL	10.7078 mL
		5 mM	0.4283 mL	2.1416 mL
		10 mM	0.2142 mL	1.0708 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限 -80°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。			
References	<p>[1]. Noble S, Goa KL. Loteprednol etabonate: clinical potential in the management of ocular inflammation. <u>BioDrugs</u>. 1998 Oct;10(4):329-39.</p> <p>[2]. Szelenyi I, Hochhaus G, Heer S et al. Loteprednol etabonate: a soft steroid for the treatment of allergic diseases of the airways. <u>Drugs Today (Barc)</u>. 2000 May;36(5):313-20.</p> <p>[3]. Howes JF. Loteprednol etabonate: a review of ophthalmic clinical studies. <u>Pharmazie</u>. 2000 Mar;55(3):178-83.</p> <p>[4]. Pavesio CE, Decory HH. Treatment of ocular inflammatory conditions with loteprednol etabonate. <u>Br J Ophthalmol</u>. 2008 Apr;92(4):455-9.</p> <p>[5]. Comstock TL, Decory HH. Advances in corticosteroid therapy for ocular inflammation: loteprednol etabonate. <u>Int J Inflam</u>. 2012;2012:789623.</p>			