

产品名称: **Pemirolast potassium**

产品别名: 吡嘧司特钾;9-甲基-3-(1H-四氮唑-5-基)-4H-吡啶并[1,2a]嘧啶-4-酮钾

生物活性:					
Description	Pemirolast potassium (TWT-8152) is a histamine H1 antagonist and mast cell stabilizer that acts as an antiallergic agent. Target: Histamine H1 Receptor Pemirolast potassium (TWT-8152) is a new oral, nonbronchodilator antiallergy medication that is being evaluated for the therapy of asthma [1]. Pemirolast potassium (TWT-8152) inhibits chemical mediator release from tissue mast cells and is also shown to inhibit the release of peptides including substance P, Pemirolast potassium (TWT-8152) reduces kaolin intake by inhibition of substance P release in rats [2]. Pemirolast potassium (TWT-8152) potently attenuates paclitaxel hypersensitivity reactions through inhibition of the release of sensory neuropeptides in rats [3]. Pemirolast potassium (TWT-8152) potassium is used for the treatment of allergic conjunctivitis and prophylaxis for pulmonary hypersensitivity reactions to drugs such as paclitaxel [4].				
Solvent&Solubility	<i>In Vitro:</i> H₂O : ≥ 200 mg/mL (751.03 mM) * "≥" means soluble, but saturation unknown.				
		<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg
	Preparing	1 mM	3.7552 mL	18.7758 mL	37.5516 mL
	Stock Solutions	5 mM	0.7510 mL	3.7552 mL	7.5103 mL
		10 mM	0.3755 mL	1.8776 mL	3.7552 mL
<p>*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。</p> <p>储备液的保存方式和期限: -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用， -20℃ 储存时，请在 1 个月内使用。</p>					
References	<p>[1]. <u>Kemp, J.P., et al., Pemirolast, a new oral nonbronchodilator drug for chronic asthma. Ann Allergy, 1992. 68(6): p. 488-91.</u></p> <p>[2]. <u>Tatsushima, Y., et al., Pemirolast reduces cisplatin-induced kaolin intake in rats. Eur J Pharmacol, 2011. 661(1-3): p. 57-62.</u></p> <p>[3]. <u>Itoh, Y., et al., Pemirolast potently attenuates paclitaxel hypersensitivity reactions through inhibition of the release of sensory neuropeptides in rats. Neuropharmacology, 2004. 46(6): p. 888-94.</u></p> <p>[4]. <u>Abelson, M.B., et al., Pemirolast potassium 0.1% ophthalmic solution is an effective treatment for allergic conjunctivitis: a pooled analysis of two prospective, randomized, double-masked, placebo-controlled, phase III studies. J Ocul Pharmacol Ther, 2002. 18(5): p. 475-88.</u></p>				