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产品名称: **TIZOXANIDE**
产品别名: 替唑尼特 ; **TIZ**

生物活性:					
Description	Tizoxanide is the active metabolite of Nitazoxanide, which is a thiazolide anti-infective compound against anaerobic bacteria, protozoa, and a range of viruses. IC50 value: Target: Antiviral agent in vitro: Tizoxanide inhibited virus replication of all CIVs with 50% and 90% inhibitory concentrations ranging from 0.17 to 0.21 μM and from 0.60 to 0.76 μM, respectively [2]. Nitazoxanide and its primary metabolite, tizoxanide, inhibit hepatitis C virus (HCV) replication in HCV replicon systems. Interestingly, serial passage in nitazoxanide or tizoxanide resulted in increased sensitivity to alpha interferon 2b: EC(50)s and EC(90)s were reduced three- and eightfold, respectively [3].				
Solvent&Solubility	In Vitro: DMSO : ≥ 38 mg/mL (143.26 mM) * "≥" means soluble, but saturation unknown.				
	<div>Preparing Stock Solutions</div>	<div>Solvent Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	3.7700 mL	18.8501 mL	37.7003 mL
		5 mM	0.7540 mL	3.7700 mL	7.5401 mL
		10 mM	0.3770 mL	1.8850 mL	3.7700 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	[1]. Korba BE, et al. Nitazoxanide, tizoxanide and other thiazolides are potent inhibitors of hepatitis B virus and hepatitis C virus replication. Antiviral Res. 2008 Jan;77(1):56-63. [2]. Ashton LV, et al. In Vitro Susceptibility of Canine Influenza A (H3N8) Virus to Nitazoxanide and Tizoxanide. Vet Med Int. 2010 Aug 12;2010. pii: 891010. [3]. Korba BE, et al. Potential for hepatitis C virus resistance to nitazoxanide or tizoxanide. Antimicrob Agents Chemother. 2008 Nov;52(11):4069-71.				