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产品名称: 地司特泰
产品别名: **Disitertide; P144**

生物活性:				
Description	Disitertide is an inhibitor of TGF- β 1.			
In Vitro	Disitertide (P144) prevents TGF- β 1-dependent inhibition of MV1Lu proliferation in vitro and markedly reduces binding of TGF- β 1 to its receptors. Disitertide blocks TGF- β 1-dependent stimulation of a reporter gene under the control of human α 2(I) collagen promoter[1].			
In Vivo	Treatment with Disitertide at low doses causes a significant inhibition of HSC activation and a marked reduction in liver fibrosis in a rat model of chronic exposure to CCl4. A dose as low as 70 μ g of the 15-mer peptide Disitertide, given to rats (300 g body weight) on alternate days, decreases fibrogenesis significantly during chronic exposure to CCl4[1].			
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 200 mg/mL (126.52 mM) H₂O : < 0.1 mg/mL (insoluble) * " $\geq$ " means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent	Mass	
		Concentration		
			1 mg	5 mg
			10 mg	
		1 mM	0.6326 mL	3.1629 mL
		5 mM	0.1265 mL	0.6326 mL
		10 mM	0.0633 mL	0.3163 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]. Ezquerro IJ et al. A synthetic peptide from transforming growth factor beta type III receptor inhibits liver fibrogenesis in rats with carbon tetrachloride liver injury. Cytokine. 2003 Apr;22(1-2):12-20.			