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产品名称: UK-371804

产品别名: UK-371804

生物活性:						
Description		UK-371804 is a urokinase-type plasminogen activator (uPA) inhibitor with a Ki of 10 nM.				
IC <sub>50</sub> & Target		Ki: 10 nM (uPA)[1]				
In Vitro		UK-371804 is able to inhibit exogenous uPA in human chronic wound fluid (IC50=0.89 μM). UK-371804 has its excellent enzyme potency (Ki=10 nM) and selectivity profile (4000-fold versus tPA and 2700-fold versus plasmin)[1].				
In Vivo		In a porcine acute excisional wound model, following topical delivery, UK-371804 is able to penetrate into pig wounds and inhibit exogenous uPA activity with no adverse effect on wound healing parameters. Concentrations of UK-371804 in the dermis are 41.8 μM[1].				
Solvent&Solubility		In Vitro: DMSO : 10 mg/mL (25.92 mM; Need ultrasonic and warming)				
		Preparing Stock Solutions	<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg
			1 mM	2.5918 mL	12.9591 mL	25.9182 mL
			5 mM	0.5184 mL	2.5918 mL	5.1836 mL
			10 mM	0.2592 mL	1.2959 mL	2.5918 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℃, 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。						
References		[1]. Fish PV, et al. Selective urokinase-type plasminogen activator inhibitors. 4. 1-(7-sulfonamidoisoquinoliny)guanidines. J Med Chem. 2007 May 17;50(10):2341-51.				
实验参考:						
Animal Administration		Pigs: Two female pigs are subjected to eight excisional wounds. The wounds are dressed and treated daily for 10 days with either 1 mL of a 10 mg/mL formulation of UK-371804 in hydrogel vehicle, or hydrogel vehicle alone (control). On day 11 the animals are sacrificed, terminal blood samples are taken to assess any systemic exposure of the compounds, and the wounds are excised from the surrounding normal skin[1].				
References		[1]. Fish PV, et al. Selective urokinase-type plasminogen activator inhibitors. 4. 1-(7-sulfonamidoisoquinoliny)guanidines. J Med Chem. 2007 May 17;50(10):2341-51.				