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产品名称: **PF-04979064**
产品别名: **PF-04979064**

生物活性:				
Description	PF-04979064 is a potent and selective PI3K/mTOR dual kinase inhibitor with Kis of 0.13 nM and 1.42 nM for PI3K α and mTOR, respectively.			
IC ₅₀ & Target	PI3K α	PI3K γ	PI3K δ	mTOR
	0.13 nM (Ki)	0.111 nM (Ki)	0.122 nM (Ki)	1.42 nM (Ki)
In Vitro	PF-04979064 is tested against human class I PI3K isoforms PI3K α , PI3K γ , and PI3K δ , with PI3K α Ki of 0.13 nM, PI3K γ Ki of 0.111 nM, and PI3K δ Ki of 0.122 nM[1].			
In Vivo	PF-04979064 is progressed to rat in vivo PK studies and exhibits robust PK profile: Vdss=5.23 L/kg, Cl=19.3 mL/min/kg, T1/2=1.85 h, and F%=61%[1].			
Solvent&Solubility	In Vitro: DMSO : 11 mg/mL (24.64 mM; Need ultrasonic and warming)			
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	2.2396 mL	11.1982 mL
		5 mM	0.4479 mL	2.2396 mL
		10 mM	0.2240 mL	1.1198 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]. Cheng H et al. Discovery of the Highly Potent PI3K/mTOR Dual Inhibitor PF-04979064 through Structure-Based Drug Design. ACS Med Chem Lett, 2012 Nov 7, 4(1):91-7.			