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产品名称: **FGFR4-IN-1**
产品别名: **FGFR4-IN-1**

生物活性:					
Description	FGFR4-IN-1 is a potent inhibiotr of FGFR4 with IC ₅₀ of 0.7 nM.				
IC ₅₀ & Target	FGFR4				
	0.7 nM (IC ₅₀)				
In Vitro	FGFR4-IN-1 significantly inhibits the proliferation of HuH-7 hepatocellular carcinoma cells with IC ₅₀ of 7.8 nM ^[1] .				
Solvent&Solubility	<i>In Vitro:</i> DMSO : 6.4 mg/mL (12.97 mM; Need warming)				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	2.0263 mL	10.1313 mL	20.2626 mL
		5 mM	0.4053 mL	2.0263 mL	4.0525 mL
		10 mM	0.2026 mL	1.0131 mL	2.0263 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]. Ring-fused bicyclic pyridyl derivatives as fgfr4 inhibitors. WO 2015059668 A1?				
实验参考:					
Cell Assay	Methylene blue staining proliferation assay (MBS): The effect of compounds on cell proliferation is assessed using HuH-7 hepatocellular carcinoma cells are cultured in the vendor-recommended medium. Specifically, 5000 cells/well are seeded in 96-well tissue culture plates in a total media volume of 100 μL/well and increasing compound dilutions or DMSO are added 24 hours thereafter in triplicates. 72 hours after compound addition, cells are fixed by adding 25 and incubated for 10 minutes at room temperature. Cells are washed three times with H ₂ O. Cells are washed 3 times with H ₂ O, 200 mL/well and then lysed by adding 200 mL/well of 3% HCl for 30 minutes at room temperature with shaking. Optical density is measured at A650 nm. The concentration of compound providing 50% of proliferation inhibition with respect to DMSO-treated cells is determined (IC ₅₀) using XLFit software. [1]				
References	[1]. Ring-fused bicyclic pyridyl derivatives as fgfr4 inhibitors. WO 2015059668 A1?				