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产品名称: **IKK epsilon-IN-1**
产品别名: **TBK1/IKKε-IN-2**

生物活性:					
Description	TBK1/IKKε-IN-2 is a dual TBK1 and IKKε inhibitor.				
IC ₅₀ & Target	TBK1		IKKε		
	0.6 nM (IC ₅₀ , at 5 μM ATP)		3.9 nM (IC ₅₀ , at 10 μM ATP)		
In Vitro	TBK1/IKKε-IN-2 (Cmpound #1) inhibits TBK1 biochemical function in Ulight kinase assay at 5 and 250 μM ATP concentration with IC50s of 0.6 and 2.6 nM, rsespectively. TBK1/IKKε-IN-2 inhibits IKKε biochemical function in Ulight kinase assay at 10 μM ATP with an IC50 of 3.9 nM. The IC50 of TBK1/IKKε-IN-2 in the Panc 02.13 proliferation assay is 5 μM[1].				
Solvent&Solubility	<i>In Vitro:</i> DMSO : 21.5 mg/mL (46.99 mM; Need ultrasonic and warming)				
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	2.1857 mL	10.9285 mL	21.8570 mL
		5 mM	0.4371 mL	2.1857 mL	4.3714 mL
		10 mM	0.2186 mL	1.0928 mL	2.1857 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]. Muvaffak A, et al. Evaluating TBK1 as a therapeutic target in cancers with activated IRF3. Mol Cancer Res. 2014 Jul;12(7):1055-66.				
实验参考:					
Cell Assay	Cell proliferation experiments are carried out in a 96-well format (6 replicates), Panc 02.13 cells are plated at a density of 2,000 to 5,000 cells per well. At 24 hours following cell seeding, the cells are treated with the tool inhibitor titrations (e.g., TBK1/IKKε-IN-2, 1 nM, 10 nM, 100 nM, 1 μM and 10 μM) for 4 days at 37°C and then assayed by using the ATP CellTiter-Glo luminescent cell viability assay[1].				
References	[1]. Muvaffak A, et al. Evaluating TBK1 as a therapeutic target in cancers with activated IRF3. Mol Cancer Res. 2014 Jul;12(7):1055-66.				