

产品名称:

N-((2R)-1,4-Dioxan-2-ylmethyl)-N-methyl-N'-[3-(1-methyl-1H-pyrazol-4-yl)-5-oxo-5H-benzo[4,5]cyclohepta[1,2-b]pyridin-7-yl]sulfam

产品别名: **MK-2461**

生物活性:					
Description	MK-2461 is a novel ATP-competitive multitargeted inhibitor of activated c-Met with a mean IC50 of 2.5 nM. IC50 value: 2.5 nM [1] Target: c-Met in vitro: MK-2461 inhibits the kinase activity of human c-Met with a mean IC50 of 2.5 nM in the presence of 50 µM ATP. Ron (IC50 = 7 nM) and Flt1 (IC50 = 10 nM) are inhibited by MK-2461 with similar potencies to c-Met (IC50 = 2.5 nM), whereas nine other kinases, including FGFR1, FGFR2, FGFR3, PDGFRβ, KDR, Flt3, Flt4, TrkA, and TrkB, are found to be 8- to 30-fold less sensitive to MK-2461 than c-Met. [1] in vivo: MK-2461 inhibits c-Met signaling and tumor growth in tumor xenograft models in mice.[1]				
	In Vitro: DMSO : ≥ 31 mg/mL (62.56 mM) * "≥" means soluble, but saturation unknown.				
Solvent&Solubility	<div>Preparing Stock Solutions</div>	<div>Solvent Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	2.0180 mL	10.0898 mL	20.1796 mL
		5 mM	0.4036 mL	2.0180 mL	4.0359 mL
		10 mM	0.2018 mL	1.0090 mL	2.0180 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]. Pan BS, et al. MK-2461, a novel multitargeted kinase inhibitor, preferentially inhibits the activated c-Met receptor. Cancer Res. 2010 Feb 15;70(4):1524-33.				

源叶生物