



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: **AZM475271**

产品别名: **M475271**

生物活性:					
Description	AZM475271 is a potent and selective Src kinase inhibitor with IC50 of 5 nM; no inhibitory activity on Flt3, KDR, Tie-2. IC50 value: 5 nM [1] Target: Src inhibitor in vitro: AZM475271 demonstrated strong dose-dependent inhibition of Src tyrosine kinase activity in the L3.6pl human pancreatic carcinoma cell line. Maximum reduction of Src kinase activity was observed after incubation for 4 hours with ≥5 μmol/L. The IC50 concentration of AZM475271 to inhibit the phosphorylation of c-src, lck, and c-yes was 0.01, 0.03, and 0.08 μmol/L, respectively, in comparison with an IC50 of 0.7 μmol/L AZM475271 to inhibit KDR [2]. in vivo: Tumors appeared to be palpable at day 14 after tumor cell injection in all animals except mice treated with both AZM475271 and gemcitabine, in which the earliest possible palpation of the tumors was at day 17 after tumor cell injection. Treatment with gemcitabine or AZM475271 alone did not significantly change animal weight [2].				
Solvent&Solubility	In Vitro: DMSO : ≥ 42 mg/mL (94.82 mM) * "≥" means soluble, but saturation unknown.				
		SolventMassConcentration	1 mg	5 mg	10 mg
	Preparing	1 mM	2.2576 mL	11.2882 mL	22.5764 mL
	Stock Solutions	5 mM	0.4515 mL	2.2576 mL	4.5153 mL
		10 mM	0.2258 mL	1.1288 mL	2.2576 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]. Plé PA, et al. Discovery of a new class of anilinoquinazoline inhibitors with high affinity and specificity for the tyrosine kinase domain of c-Src. J Med Chem. 2004 Feb 12;47(4):871-87. [2]. Yezhelyev MV, et al. Inhibition of SRC tyrosine kinase as treatment for human pancreatic cancer growing orthotopically in nude mice. Clin Cancer Res. 2004 Dec 1;10(23):8028-36.				