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产品名称: **Skp2 Inhibitor C1**
产品别名: **SKPin C1**

生物活性:					
Description	Skp2 Inhibitor C1(SKPin C1) is a specific small molecule inhibitor of Skp2-mediated p27 degradation, selectively inhibited Skp2-mediated p27 degradation by reducing p27 binding through key compound-receptor contacts. IC50 value: Target: Skp2 inhibitor; p27 regulator in vitro: T47D cells treated with C1 (5 μ M for 16 hours) displayed an increase in G1 phase ($p < 0.0001$) and a decrease in S phase ($p < 0.0001$), correlating with p27 protein induction. In contrast, MCF-7 cells responded to C1 with a significant reduction in G1 phase (35%, $p < 0.0001$) and an increase in G2-M phase (43%, $p < 0.0001$). This G1 reduction and G2/M arrest is dose dependent on C1 (Figure 5C right; $p < 0.001$ and $p < 0.01$, respectively) and correlates with increased p27 protein levels (Figure 5E left, S4A top right) [1].				
	In Vitro: DMSO : 6.4 mg/mL (13.75 mM; Need ultrasonic)				
Solvent&Solubility	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	2.1490 mL	10.7448 mL	21.4897 mL
		5 mM	0.4298 mL	2.1490 mL	4.2979 mL
		10 mM	0.2149 mL	1.0745 mL	2.1490 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]. Wu L, et al. Specific small molecule inhibitors of Skp2-mediated p27 degradation. Chem Biol. 2012 Dec 21;19(12):1515-24. [2]. Pavlides SC, et al. Inhibitors of SCF-Skp2/Cks1 E3 ligase block estrogen-induced growth stimulation and degradation of nuclear p27kip1: therapeutic potential for endometrial cancer. Endocrinology. 2013 Nov;154(11):4030-45.				