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产品名称: **SC144**
产品别名: **SC144**

生物活性:				
Description	SC144 is the first-in-class orally active small-molecule gp130 inhibitor; inhibits cell growth in a panel of human ovarian cancer cell lines with IC50 values in a submicromolar range. IC50 value: < 1 uM (Cell assay) [1] Target: gp130 inhibitor SC144 shows greater potency in human ovarian cancer cell lines than in normal epithelial cells. SC144 binds gp130, induces gp130 phosphorylation (S782) and deglycosylation, abrogates Stat3 phosphorylation and nuclear translocation, and further inhibits the expression of downstream target genes. In addition, SC144 shows potent inhibition of gp130 ligand-triggered signaling. Oral administration of SC144 delays tumor growth in a mouse xenograft model of human ovarian cancer without significant toxicity to normal tissues.			
Solvent&Solubility	In Vitro: DMSO : 16.67 mg/mL (51.72 mM; Need ultrasonic)			
		Solvent Mass Concentration	1 mg	5 mg
	Preparing	1 mM	3.1027 mL	15.5135 mL
	Stock Solutions	5 mM	0.6205 mL	3.1027 mL
		10 mM	0.3103 mL	1.5513 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]. Xu S, et al. Discovery of a novel orally active small-molecule gp130 inhibitor for the treatment of ovarian cancer. Mol Cancer Ther. 2013 Jun;12(6):937-49.			