

产品名称：IQ-1
产品别名：IQ 1

生物活性:				
Description	IQ 1 has many functions such as decreasing Wnt-stimulated phosphorylation, maintaining the pluripotency of murine ESCs, preventing PP2A/Nkd interaction and so on. IQ 1 maintains the pluripotency of murine ESCs in long-term culture in a Wnt-dependent manner. IQ 1 decreased Wnt-stimulated phosphorylation of p300 at Ser-89.□IQ-1 binds to serine/threonine phosphatase PP2A and prevents PP2A/Nkd interaction.□The binding of IQ 1 to PR72/130 leads to decreased phosphorylation of the coactivator protein p300 at Ser-89. IQ 1 thereby diminishes the β-catenin/p300 interaction and prevents β-catenin coactivator switching from CBP to p300.			
Solvent&Solubility	In Vitro: DMSO : ≥ 33 mg/mL (91.05 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	2.7592 mL	13.7961 mL
		5 mM	0.5518 mL	2.7592 mL
		10 mM	0.2759 mL	1.3796 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。 In Vivo: 请根据您的实验动物和给药方式选择适当的溶解方案。以下溶解方案都请先按照 In Vitro 方式配制澄清的储备液，再依次添加助溶剂： ——为保证实验结果的可靠性，澄清的储备液可以根据储存条件，适当保存；体内实验的工作液，建议您现用现配，当天使用； 以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比；如在配制过程中出现沉淀、析出现象，可以通过加热和/或超声的方式助溶 1.请依序添加每种溶剂： 10% DMSO→40% PEG300 →5% Tween-80 → 45% saline Solubility: ≥ 1.67 mg/mL (4.61 mM); Clear solution 此方案可获得 ≥ 1.67 mg/mL (4.61 mM, 饱和度未知) 的澄清溶液。 以 1 mL 工作液为例，取 100 μL 16.699999 mg/mL 的澄清 DMSO 储备液加到 400 μL PEG300 中，混合均匀；向上述体系中加入 50 μL Tween-80，混合均匀；然后继续加入 450 μL 生理盐水定容至 1 mL。			
References	[1]. Miyabayashi T et al. Wnt/beta-catenin/CBP signaling maintains long-term murine embryonic stem cell pluripotency. Proc Natl Acad Sci U S A, 2007 Mar 27, 104(13):5668-73.			