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产品名称: **EC330**

产品别名: **EC330**

生物活性:					
Description	EC330 is a leukemia inhibitory factor (LIF) inhibitor.				
In Vitro	EC330 shows marked specificity in MCF-7 cells overexpressing LIF verses MCF-7 cells. EC330 further shows cytoskeletal disruption and targeting cancer-associated fibroblasts (CAFs) through inhibition of alpha-SMA but not beta-tubulin[1].				
In Vivo	EC330 treatment (0.1, 0.5 and 2.5 mg/kg) dose dependently reduces tumor burden in ovarian (IGROV-1) and triple negative breast cancer (MDA-MB-231) cell xenografted mouse models as well as MDA-MB-231 PDX models. EC330 exhibits no reactivity towards thiol-cysteine residues, no off target binding to major receptors, kinases or ion channels. EC330 is orally bioavailable and found to be safe and tolerable in toxicity studies[1].				
Solvent&Solubility	<i>In Vitro:</i> DMSO : 20 mg/mL (43.24 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	2.1618 mL	10.8092 mL	21.6183 mL
		5 mM	0.4324 mL	2.1618 mL	4.3237 mL
		10 mM	0.2162 mL	1.0809 mL	2.1618 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]. Nair HB, et al. Discovery and preclinical pharmacology of EC330: A first-in-class leukemia inhibitory factor (LIF) inhibitor				