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产品名称: **EL-102**
产品别名: **EL-102**

生物活性:				
Description	EL102 is a inhibitor of HIF1 α , Which can inhibit tubulin polymerisation and decreased microtubule stability. target: HIF1 α IC 50 : 20-40 nM.[1] in vitro : EL102 is a cytotoxic agent and also displays cytostatic properties, through flow cytometric analysis of PI-stained cells cultured for 24, 48 and 72 h, following treatment. EL102 induces apoptosis and causes G2/M arrest, preventing the cell from entering into mitosis. In vivo: CWR22 tumours were taken from an in vivo passage, cut into small fragments and transplanted subcutaneously (s.c.) into the flank of 48 nude mice. At day 13, when the tumours were palpable, mice were randomised into 10 groups with 8 mice each and treatment initiated. EL102 12 mg kg ⁻¹ via p.o. (0700 hours and 1700 hours daily).[1]			
Solvent&Solubility	In Vitro: DMSO : ≥ 36 mg/mL (93.64 mM) * "≥" means soluble, but saturation unknown.			
		Solvent / Mass / Concentration	1 mg	5 mg
	Preparing	1 mM	2.6010 mL	13.0049 mL
	Stock Solutions	5 mM	0.5202 mL	2.6010 mL
		10 mM	0.2601 mL	1.3005 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]. A P Toner et al. The novel toluidine sulphonamide EL102 shows pre-clinical in vitro and in vivoactivity against prostate cancer and circumvents MDR1 resistance. Br J Cancer, 2013 Oct 15, 109(8): 2131-2141.			