

产品名称：**MI-136**

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**生物活性：**

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Description		MI-136 inhibits DHT-induced expression of androgen receptor (AR) target genes. Target: androgen receptor in vitro: MI-136, a variant of a previously described inhibitor that can specifically inhibit the menin-MLL interaction. AR positive cell lines such as VCaP, LNCaP and 22RV1 are sensitive to MI-136. Treatment with MI-136 also inhibits the expression of genes that were bound to ASH2L after AR stimulation. Treatment with MI-136 induces apoptosis of VCaP cells as evidenced by PARP (cPARP) cleavage. Furthermore, treatment with MI-136 blocks DHT-induced cell proliferation in AR-dependent cell lines (LNCaP and VCaP). The effect of MI-136 on cell proliferation is similar to MDV-3100, a second-generation FDA-approved anti-androgen for patients with refractory prostate cancer. [1] in vivo: Treatment of VCaP tumor-bearing mice with MI-136 (40mg/kg) led to a modest but significant reduction in tumor volume with no effect on mouse body weight. [1]			
Solvent&Solubility		In Vitro:			
		DMSO : ≥ 31 mg/mL (65.89 mM)			
		* "≥" means soluble, but saturation unknown.			
		<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg
		Preparing Stock Solutions	1 mM	2.1254 mL	10.6268 mL
	5 mM	0.4251 mL	2.1254 mL	4.2507 mL	
	10 mM	0.2125 mL	1.0627 mL	2.1254 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]. Malik R, et al. Targeting the MLL complex in castration-resistant prostate cancer. Nat Med. 2015 Apr;21(4):344-52.			