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产品名称: 3-[(3-Methoxybenzoyl)amino]-4-(4-methyl-1-piperazinyl)benzoic
Acid Methyl Ester

产品别名: WDR5-0103; WD-Repeat Protein 5-0103

生物活性:				
Description	WDR5-0103 is a potent and selective WD repeat-containing protein 5 (WDR5) antagonist with Kd of 450 nM. IC50 value: 450 nM (Kd) Target: WDR5 in vitro: WDR5-0103 inhibits MLL catalytic activity with an IC50 value of 39±10 µM. An increase in MLL complex concentration resulted in proportional increase in IC50 values for WDR5-0103 (83±10 and 280±12 µM at concentrations of 500 and 1000 nM of the core trimeric MLL complex respectively). These data are consistent with a mechanism of action in which WDR5-0103 antagonizes the interaction of WDR5 with MLL by competing with MLL for their mutual binding site on WDR5.			
Solvent&Solubility	In Vitro: DMSO : ≥ 40 mg/mL (104.32 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	2.6080 mL	13.0399 mL
		5 mM	0.5216 mL	2.6080 mL
		10 mM	0.2608 mL	1.3040 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]. Senisterra G, et al. Small-molecule inhibition of MLL activity by disruption of its interaction with WDR5. Biochem J. 2013 Jan 1;449(1):151-159.			