

产品名称：**BRD4770**

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生物活性：

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Description		BRD4770 is a novel G9a(EHMT2) inhibitor with EC50 of 5 uM (trimethylated H3K9 in PANC-1 cell). IC50 value: 5 uM (PANC-1 cell) [1] Target: G9a inhibitor BRD4770 activates the ATM pathway without inducing DNA damage, while the ATR pathway is not affected. BRD4770 is a novel probe for studying G9a and its role in cellular senescence.Treatment of 5 μM BRD4770 for 24 h decreased H3K9 trimethylation level by 23% in PANC-1 cells. BRD9539 also inhibits PRC2 activity.			
Solvent&Solubility		In Vitro:			
		DMSO : 5.56 mg/mL (13.45 mM; Need ultrasonic)			
		H2O : < 0.1 mg/mL (insoluble)			
		<div><div>Solvent    Mass Concentration</div><div>Preparing</div></div>	1 mg	5 mg	10 mg
		Stock Solutions	1 mM	2.4186 mL	12.0928 mL
	5 mM	0.4837 mL	2.4186 mL	4.8371 mL	
	10 mM	0.2419 mL	1.2093 mL	2.4186 mL	
<p>*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。</p> <p>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。</p>					
References		[1]. Yuan Y, et al. A small-molecule probe of the histone methyltransferase G9a induces cellular senescence in pancreatic adenocarcinoma. ACS Chem Biol. 2012 Jul 20;7(7):1152-7.			

源叶生物