

产品名称: **GW441756**

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生物活性:

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Description	GW 441756 is a specific Tropomyosin-related kinase A (TrkA) inhibitor with an IC50 value of 2 nM; little activity to c-Raf1 and CDK2. IC50 Value: 2 nM [1] Target: TrkA in vitro: GW441756 specifically blocked TrkA-induced cell death in a dose-dependent manner, but there was no effect in uninduced cells. TrkA ability to induce γH2AX production was significantly downregulated by both K-252a and GW441756 in the absence of DNA damage inducer. In addition, it was also suppressed by K-252a during DNA damage by doxorubicin treatment, but not by GW441756 [2].				
Solvent&Solubility	<i>In Vitro:</i>				
	DMSO : 17.5 mg/mL (63.57 mM; Need ultrasonic and warming)				
	H₂O : < 0.1 mg/mL (insoluble)				
		Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	Preparing	1 mM	3.6324 mL	18.1620 mL	36.3240 mL
	Stock Solutions	5 mM	0.7265 mL	3.6324 mL	7.2648 mL
	10 mM	0.3632 mL	1.8162 mL	3.6324 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℃，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。				
References	[1]. <u>Wood ER, Kuyper L, Petrov KG. Discovery and in vitro evaluation of potent TrkA kinase inhibitors: oxindole and aza-oxindoles. Bioorg Med Chem Lett. 2004 Feb 23;14(4):953-7.</u>				
	[2]. <u>Eun Joo Jung, Choong Won Kim, Deok Ryong Kim. Cytosolic accumulation of γH2AX is associated with tropomyosin-related kinase A-induced cell death in U2OS cells. Exp Mol Med. 2008 June 30; 40(3): 276-285.</u>				

源叶生物