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产品名称: 2-氨基-6-(环己基甲氧基)嘌呤

产品别名: NU2058; O6-环甲基己基鸟嘌呤; O6-(Cyclohexylmethyl)guanine

生物活性:					
Description	NU2058 (O6-(Cyclohexylmethyl)guanine) is a potent, competitive and guanine-based CDK inhibitor with IC50s of 17 μM and 26 μM for CDK2 and CDK1. NU2058 has anti-cancer activity.				
IC ₅₀ & Target	CDK1	CDK2	CDK2		
	26 μM (IC ₅₀)	17 μM (IC ₅₀)	12 μM (Ki)		
In Vitro	NU2058 (O6-(Cyclohexylmethyl)guanine) is a competitive inhibitor of CDK2 with respect to ATP (Ki value CDK2, 12 μM) that binds in the ATP binding pocket in a different orientation from other purine-based inhibitors, including olomoucine and roscovitine. NU2058 is the lead compound in a structure-based drug discovery program to develop more potent and selective CDK inhibitors.				
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 32 mg/mL (129.40 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg	10 mg
		1 mM	4.0437 mL	20.2184 mL	40.4367 mL
		5 mM	0.8087 mL	4.0437 mL	8.0873 mL
		10 mM	0.4044 mL	2.0218 mL	4.0437 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]. Rigas AC, et al. Therapeutic potential of CDK inhibitor NU2058 in androgen-independent prostate cancer. Oncogene. 2007 Dec 6;26(55):7611-7619.				