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产品名称: **PD123319 Ditrifluoroacetate**
产品别名: **PD 123319 ditrifluoroacetate**

生物活性:				
Description	PD 123319 (ditrifluoroacetate) is a potent, selective AT ₂ angiotensin II receptor antagonist with IC ₅₀ of 34 nM.			
IC ₅₀ & Target	IC ₅₀ : 34 nM (AT ₂ Receptor) ^[1]			
In Vitro	PD 123319 is shown to discriminate between two subclasses of All receptors in many different tissues. ¹²⁵ I-All specifically label two classes of binding sites for All in a membrane preparation of bovine adrenal glomerulosa cells. The first class (DuP-753 sensitive) represents approximately 85% of the total binding sites for All and possesses a high affinity (IC ₅₀ of 92.9 nM) for DuP-753. PD-123319 does not have any effect on ¹²⁵ I-All binding to this site. The second class of binding sites is more sensitive to PD-123319, with an IC ₅₀ of 6.9 nM, and has a much lower affinity for DuP-753 (IC ₅₀ around 10 microM) ^[2] .			
Solvent&Solubility	In Vitro: H₂O : ≥ 36 mg/mL (48.87 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	1.3575 mL	6.7874 mL
		5 mM	0.2715 mL	1.3575 mL
		10 mM	0.1357 mL	0.6787 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]. Blankley CJ, et al. Synthesis and structure-activity relationships of a novel series of non-peptide angiotensin II receptor binding inhibitors specific for the AT₂ subtype. J Med Chem. 1991 Nov;34(11):3248-60. [2]. Boulay G, et al. Modulation of angiotensin II binding affinity by allosteric interaction of polyvinyl sulfate with an intracellular domain of the DuP-753-sensitive angiotensin II receptor of bovine adrenal glomerulosa. Mol Pharmacol. 1992 Apr;41(4):809-15 [3]. Estrup TM, et al. No effect of angiotensin II AT(2)-receptor antagonist PD 123319 on cerebral blood flow autoregulation. J Renin Angiotensin Aldosterone Syst. 2001 Sep;2(3):188-92. [4]. Brillante DG, et al. Effects of intravenous PD 123319 on haemodynamic and arterial stiffness indices in healthy volunteers. J Renin Angiotensin Aldosterone Syst. 2005 Sep;6(2):102-6.			