



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: PGD2-IN-1

产品别名: PGD2-IN-1

生物活性:				
Description	PGD2-IN-1 is an antagonist of DP extracted from patent WO 2006044732 A2, example 15 (d); has an IC50 of 0.3 nM.			
IC ₅₀ & Target	IC50: 0.3 nM[1]			
In Vitro	Prostaglandin D2 (PGD2) is a major inflammatory mediator implicated in asthma and allergic rhinitis. It is largely produced as the major cyclooxygenase metabolite upon allergen-provoked degranulation from mast cells. Blockage of PGD2 using DP antagonists has been shown to be effective at alleviating the symptoms of allergic rhinitis in multiple species and more specifically has been shown to inhibit the antigen-induced nasal congestion[2].			
Solvent&Solubility	In Vitro: DMSO : ≥ 25 mg/mL (54.31 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	2.1723 mL	10.8613 mL
		5 mM	0.4345 mL	2.1723 mL
		10 mM	0.2172 mL	1.0861 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]. Lim, Sungtaek, et al. 2, 6-SUBSTITUTED-4-MONOSUBSTITUTEDAMINO-PYRIMIDINE AS PROSTAGLANDIN D2 RECEPTOR ANTAGONISTS. WO2006044732A2. [2]. Mu L, et al. Understanding DP receptor antagonism using a CoMSIA approach. Bioorg Med Chem Lett. 2011 Jan 1;21(1):66-75.			