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产品名称: **p38 MAPK-IN-1**

产品别名: **p38 MAPK-IN-1**

生物活性:	
Description	p38 MAPK-IN-1 (Compound 4) is a novel potent and selective inhibitor of p38 MAPK with IC ₅₀ of 68 nM. p38 MAPK-IN-1 shows sustained levels, low clearance and good bioavailability.
IC₅₀ & Target	p38 MAPK
	68 nM (IC ₅₀)
In Vivo	p38 MAPK-IN-1 (Compound 4; 1 mg/kg for iv and 10 mg/kg for po) has a t _{1/2} of 7.4 hours and CL of 2.7 mL/min/kg for iv, and a C _{max} of 5.3 µM for po in male wistar rats[1]. p38 MAPK-IN-1 dose-dependently inhibits TNFα production with an ED ₅₀ of 0.5 mg/kg[1].
	Animal Model: Male wistar rats[1]
	Dosage: 10 mg/kg for po and 1 mg/kg for iv (Pharmacokinetic Analysis)
	Administration: Po and iv
	Result: Had a t _{1/2} of 7.4 hours and CL of 2.7 mL/min/kg for iv, and a C _{max} of 5.3 µM for po.
References	[1]. Lumeras W, et al. 1,7-Naphthyridine 1-oxides as novel potent and selective inhibitors of p38 mitogen activated protein kinase. J Med Chem. 2011 Nov 24;54(22):7899-910.

源叶生物