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产品名称: **BMS-191095**

产品别名: **BMS-191095**

生物活性:				
Description	BMS-191095 is an activators of mitochondrial ATP-sensitive potassium (mitoKATP) channels. Target: potassium channel in vitro: BMS-191095 induces mitochondrial-depolarization and vasodilation. BMS-191095 elicits a dose-dependent vasodilation in endothelium denuded cerebral arteries with $8.1 \pm 2.3\%$, $31.6 \pm 2.1\%$, and $39.5 \pm 3.2\%$ relaxation in response to 10, 50, and 100 μM , respectively. in vivo: In normal rats, BMS-191095-induced vasodilation was mediated by mitochondrial depolarization and calcium sparks generation in VSM and was reduced by inhibition of BKCa channels.			
Solvent&Solubility	In Vitro: DMSO : $\geq 50 \text{ mg/mL}$ (122.29 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	2.4457 mL	12.2285 mL
		5 mM	0.4891 mL	2.4457 mL
		10 mM	0.2446 mL	1.2229 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]. Katakam PV, et al. Diversity of mitochondria-dependent dilator mechanisms in vascular smooth muscle of cerebral arteries from normal and insulin-resistant rats. Am J Physiol Heart Circ Physiol. 2014 Aug 15;307(4):H493-503.			