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产品名称: **BIBS 39**
产品别名: **BIBS 39**

生物活性:					
Description	<p>BIBS 39 is a new nonpeptide angiotensin II (All) receptor antagonist. Target: Angiotensin Receptor in vitro: BIBS 39 displaces [125I] All from its specific binding sites with a Ki value of 29 ± 7 nM for the All subtype 1 (AT1) receptor and a Ki value of 480 ± 110 nM for the All subtype 2 (AT2) receptor. BIBS 222 shows a Ki value of 20 ± 7 nM for the AT1 subtype and a Ki value of 730 ± 170 nM for the AT2 subtype. BIBS 39 is 17 times more selective for the AT1 subtype and BIBS 222 37 times. BIBS 39 shifts the All concentration-contractile response curves in isolated rabbit aorta to the right in a parallel fashion. [1] in vivo: In pithed rats, BIBS 39 dependently shifts the dose-response curve of All to the right without affecting the maximal response. BIBS 222 also causes parallel shifts to the right but a significant reduction of the maximal responses was observed at 3 and 10 mg/kg i.v. These results show that the benzimidazole derivatives BIBS 39 is a potent and selective All receptor antagonists. Substitution with a benzimidazole moiety results into a considerable loss of selectivity for the AT1 receptor subtype compared with an imidazole moiety as, for instance, in DuP 753.[1] BIBS 39 is a new nonpeptide angiotensin receptor blockers that has affinity for both AT1- and AT2-receptors, is also a potent antagonist of the cardiovascular effects of All in pithed rabbits. [2]</p>				
	<p><i>In Vitro:</i></p> <p>DMSO : ≥ 32 mg/mL (60.99 mM)</p> <p>* "\geq" means soluble, but saturation unknown.</p>				
Solvent&Solubility	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	1.9060 mL	9.5302 mL	19.0603 mL
		5 mM	0.3812 mL	1.9060 mL	3.8121 mL
		10 mM	0.1906 mL	0.9530 mL	1.9060 mL
	<p>*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。</p> <p>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。</p>				
References	<p>[1]. Zhang J, et al. Characterization of BIBS 39 and BIBS 222: two new nonpeptide angiotensin II receptor antagonists. Eur J Pharmacol. 1992 Jul 21;218(1):35-41.</p> <p>[2]. Zhang J, et al. Hemodynamic effects of angiotensin II and the influence of angiotensin receptor antagonists in pithed rabbits. J Cardiovasc Pharmacol. 1995 May;25(5):724-31.</p>				