



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: **EMA401**

产品别名: **Olodanrigan ; PD-126055**

生物活性:				
Description	Olodanrigan (EMA401) is a highly selective, orally active, peripherally restricted angiotensin II type 2 receptor (AT2R) antagonist. It is under development as a neuropathic pain therapeutic agent. Olodanrigan (EMA401) analgesic action appears to involve inhibition of augmented AngII/AT2R induced p38 and p42/p44 MAPK activation, and hence inhibition of DRG neuron hyperexcitability and sprouting of DRG neurons[1][2][3][4].			
In Vivo	EMA401 (10 mg/kg; p.o.) results in a significant attenuation of theta power and increase in paw withdrawal latencies (PWL) in rats at day 14 after chronic constriction injury (CCI)[4].			
Solvent&Solubility	In Vitro: DMSO : ≥ 34 mg/mL (66.98 mM) H₂O : < 0.1 mg/mL (insoluble) <small>* "\geq" means soluble, but saturation unknown.</small>			
		<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
	Preparing	1 mM	1.9701 mL	9.8507 mL
	Stock Solutions	5 mM	0.3940 mL	1.9701 mL
		10 mM	0.1970 mL	0.9851 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]. Rice AS et al. EMA401, an orally administered highly selective angiotensin II type 2 receptor antagonist, as a novel treatment for postherpetic neuralgia: a randomised, double-blind, placebo-controlled phase 2 clinical trial. Lancet. 2014 May 10;383(9929):1637-47. [2]. Suguru Koyama,et al. An Electroencephalography Bioassay for Preclinical Testing of Analgesic Efficacy. [3]. Anand U et al. Mechanisms underlying clinical efficacy of Angiotensin II type 2 receptor (AT2R) antagonist EMA401 in neuropathic pain: clinical tissue and in vitro studies. Mol Pain. 2015 Jun 26;11:38. [4]. Rice AS et al. EMA401, an orally administered highly selective angiotensin II type 2 receptor antagonist, as a novel treatment for postherpetic neuralgia: a randomised, double-blind, placebo-controlled phase 2 clinical trial. Lancet. 2014 May 10;383(9929):1637-47.			