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产品名称: **Amiselimod (hydrochloride)**

产品别名: **MT-1303 hydrochloride**

生物活性:					
Description	Amiselimod hydrochloride is a novel sphingosine 1-phosphate receptor-1 (S1P1) modulator, designed to reduce the bradycardia effects associated with fingolimod and other S1P receptor modulators. target: S1P1 In vivo: After oral administration of amiselimod or fingolimod at 1 mg/kg, the concentration of amiselimod-P in rat heart tissue was relatively lower than that of fingolimod-P, potentially contributing to the minimal cardiac effects of amiselimod. Amiselimod-P showed potent selectivity for S1P1 , high selectivity for S1P5 , minimal agonist activity for S1P4 , no distinct agonist activity for S1P2 or S1P3 , and approximately 5-fold weaker GIRK activation than fingolimod-P. [1] Amiselimod 0.2 mg and 0.4 mg significantly reduced the total number of gadolinium-enhanced T1-weighted lesions. [2]				
Solvent&Solubility	In Vitro: DMSO : ≥ 32 mg/mL (77.31 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	2.4160 mL	12.0802 mL	24.1604 mL
		5 mM	0.4832 mL	2.4160 mL	4.8321 mL
		10 mM	0.2416 mL	1.2080 mL	2.4160 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]. Sugahara K et al. Amiselimod, a novel sphingosine 1-phosphate receptor-1 modulator, has potent therapeutic efficacy for autoimmune diseases, with low bradycardia risk. Br J Pharmacol. 2016 Oct 7. [2]. Kappos L et al. Safety and efficacy of amiselimod in relapsing multiple sclerosis (MOMENTUM): a randomised, double-blind, placebo-controlled phase 2 trial. Lancet Neurol. 2016 Oct;15(11):1148-59.				