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产品名称: **Mavoglurant**
产品别名: **AFQ056**

生物活性:					
Description	Mavoglurant is a structurally novel, non-competitive mGlu5 receptor antagonist, has an IC50 of 30 nM in a functional assay with human mGluR5. IC50 value: 30 nM Target: mGluR5 in vitro: Mavoglurant is a selective non-competitive antagonist which showed efficacy in the treatment of L-dopa induced dyskinesias in Parkinson's disease and Fragile X mental retardation in proof of principle studies. Mavoglurant is selective over the other mGluR subtypes, iGluRs and a panel of 238 CNS relevant receptors, transporter or enzymes. [1] In vivo: Mavoglurant shows an improved pharmacokinetic profile in rat and efficacy in the stress-induced hyperthermia test in mice as compared to the prototypic mGluR5 antagonist MPEP.[1]				
	<i>In Vitro:</i> DMSO : ≥ 47 mg/mL (149.97 mM) * "≥" means soluble, but saturation unknown.				
Solvent&Solubility	Preparing Stock Solutions	SolventMassConcentration	1 mg	5 mg	10 mg
		1 mM	3.1909 mL	15.9546 mL	31.9091 mL
		5 mM	0.6382 mL	3.1909 mL	6.3818 mL
		10 mM	0.3191 mL	1.5955 mL	3.1909 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]. Vranesic I, et al. AFQ056/mavoglurant, a novel clinically effective mGluR5 antagonist: identification, SAR and pharmacological characterization. Bioorg Med Chem. 2014 Nov 1;22(21):5790-5803.				