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产品名称: **ML314**

产品别名: **ML314**

生物活性:					
<b>Description</b>	ML314 is a potent molecule agonist of NTR1 (EC50 = 1.9 $\mu$ M); showed good selectivity against NTR2 and GPR35, but did not stimulate Ca <sup>2+</sup> mobilization. IC50 value: 1.9 $\mu$ M (EC50) [1] Target: NTR1 agonist Medicinal chemistry optimization of MLS-0233108 led to ML314, the most potent molecule in this second series that exhibited full agonist behavior (100 %) on NTR1 (EC50 = 1.9 $\mu$ M). ML314 showed good selectivity against NTR2 and GPR35, but did not stimulate Ca <sup>2+</sup> mobilization. ML314 is potentially a biased agonist operating via the $\beta$ -arrestin pathway rather than the traditional Gq coupled pathway. Signaling mediated by $\beta$ -arrestin has distinct biochemical and functional consequences that may lead to physiological advantages as described below. This probe report describes the discovery and properties of ML301 and summarizes the HTS and follow-up campaign, which identified ML314.				
<b>Solvent&amp;Solubility</b>	<b>In Vitro:</b> DMSO : $\geq$ 47 mg/mL (111.77 mM) * "≥" means soluble, but saturation unknown.				
		<b>Solvent</b>	<b>Mass</b>	<b>Concentration</b>	
	<b>Preparing</b>		<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
	<b>Stock Solutions</b>	1 mM	2.3781 mL	11.8906 mL	23.7812 mL
	5 mM	0.4756 mL	2.3781 mL	4.7562 mL	
	10 mM	0.2378 mL	1.1891 mL	2.3781 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。				
<b>References</b>	[1]. Hershberger P, et al. Small Molecule Agonists for the Neurotensin 1 Receptor (NTR1 Agonists). Probe Reports from the NIH Molecular Libraries Program				