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产品名称: **AF38469**
产品别名: **AF-38469**

生物活性:				
Description	AF38469 is a novel, selective, orally bioavailable Sortilin inhibitor with an IC ₅₀ value of 330 nM.			
IC ₅₀ & Target	IC ₅₀ :330 nM (Sortilin) ^[1]			
In Vitro	AF38469 showed no inhibition or stimulation of >50% at 10 μM in a standard selectivity panel of ca. 70 targets run at CEREP. Importantly AF38469 showed no activity against the NTR1 receptor. In addition AF38469 showed no activity against a selected panel of targets known to bind acidic molecules (d-Opioid, GPR40, PPARδ, EP1, Angiotensin AT1, Endothelin ETA & B, MMP-12). AF38469 will serve as an important tool to further delineate the biology of Sortilin, and to facilitate evaluation of the therapeutic potential of this protein ^[1] .			
Solvent&Solubility	In Vitro: DMSO : ≥ 43 mg/mL (132.61 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	3.0840 mL	15.4202 mL
		5 mM	0.6168 mL	3.0840 mL
		10 mM	0.3084 mL	1.5420 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]. Schroder TJ, et al. The identification of AF38469: an orally bioavailable inhibitor of the VPS10P family sorting receptor Sortilin. Bioorg Med Chem Lett. 2014 Jan 1;24(1):177-80.			