



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: **MK-3697**
产品别名: **MK-3697**

生物活性:				
Description	MK-3697 is an isonicotinamide small molecule, acting as a potent and selective Orexin 2 receptor antagonist with $K_i = 0.95$ nM. IC50 value: 0.95 nM(K_i) Target: Orexin 2 receptor antagonist MK-3697 is a highly potent, orally bioavailable selective orexin 2 receptor antagonists (2-SORAs) that possess acceptable profiles for clinical development. Herein we report additional SAR studies within the "triaryl" amide 2-SORA series focused on improvements in compound stability in acidic media and time-dependent inhibition of CYP3A4. MK-3697 has improved stability and TDI profiles as well as excellent sleep efficacy across species.			
Solvent&Solubility	In Vitro: DMSO : 22.5 mg/mL (50.28 mM; Need ultrasonic and warming)			
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg
		1 mM	2.2346 mL	11.1729 mL
		5 mM	0.4469 mL	2.2346 mL
		10 mM	0.2235 mL	1.1173 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]. Anthony J. Roecker, et al. Discovery of MK-3697: A Selective Orexin 2 Receptor Antagonist (2-SORA) for the Treatment of Insomnia. Bioorganic & Medicinal Chemistry Letters Available online 26 August 2014			

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