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产品名称: **(+)-Alpha-Methyl-4-Carboxyphenylglycine**

产品别名: **(S)-MCPG; (+)-MCPG**

生物活性:					
Description	(S)-MCPG is the active isomer of (RS)-MCPG (Cat. No. HY-100371), non-selective group I/group II metabotropic glutamate receptor antagonist. In vivo: (S)-MCPG (20.8 μg) injected intraventricularly (i.c.v.) before testing impaired the performance of rats in the spatial version of the Morris water maze, but 1/10 of this dose did not. Memory retention, evaluated 24 hr post-training, is also affected by the high dose of MCPG.				
Solvent&Solubility	<i>In Vitro:</i> DMSO : 6.2 mg/mL (29.64 mM; Need ultrasonic and warming)				
	<div>Preparing Stock Solutions</div>	<div>Solvent / Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	4.7801 mL	23.9006 mL	47.8011 mL
		5 mM	0.9560 mL	4.7801 mL	9.5602 mL
		10 mM	0.4780 mL	2.3901 mL	4.7801 mL
<p>*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。</p> <p>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。</p>					
References	<p>[1]. Bordi F et al. Effects of the metabotropic glutamate receptor antagonist MCPG on spatial and context-specific learning. <i>Neuropharmacology</i>. 1996;35(11):1557-65.</p> <p>[2]. Sekiyama N et al. Structure-activity relationships of new agonists and antagonists of different metabotropic glutamate receptor subtypes. <i>Br J Pharmacol</i>. 1996 Apr;117(7):1493-503.</p> <p>[3]. Jane DE et al. Stereospecific antagonism by (+)-alpha-methyl-4-carboxyphenylglycine (MCPG) of (1S,3R)-ACPD-induced effects in neonatal rat motoneurons and rat thalamic neurones. <i>Neuropharmacology</i>. 1993 Jul;32(7):725-7.</p>				