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产品名称: **Ro 67-7476**
产品别名: **Ro 67-7476**

生物活性:					
Description		Ro 67-7476 is a positive allosteric modulator of mGlu1 receptors. Displays no activity at human mGlu1 receptors. Potentiates glutamate-induced calcium release with EC 50 of 60.1 nM. target: mGlu1 EC 50: 60.1 nM (1) Ro 67-7476 (10 μM) can directly block the GIRK channel (to 67 ± 2% of control). (2) Ro 67-7476 enhance the glutamate-induced current in all chimeric receptors containing the transmembrane (TM) region of rmGlu1a (R1, R1-R5N, R1-R5C, and R5-R1TM) but not in those containing the TM region of rmGlu5a (R5, R5-R1N, R5-R1C, and R1-R5TM). (3) The application of Ro 67-7476 (3 μM) produced no effect alone but resulted in a marked potentiation of the mGlu1 EPSC amplitude.			
Solvent&Solubility		<i>In Vitro:</i>			
		DMSO : ≥ 40 mg/mL (125.24 mM)			
		* "≥" means soluble, but saturation unknown.			
		<div><div>SolventMassConcentration</div><div>1 mM</div></div>	1 mg	5 mg	10 mg
		<div><div>5 mM</div></div>	0.6262 mL	3.1310 mL	6.2619 mL
<div><div>10 mM</div></div>	0.3131 mL	1.5655 mL	3.1310 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		<p>[1]. Hemstapat K et al. A novel class of positive allosteric modulators of metabotropic glutamate receptor subtype 1 interact with a site distinct from that of negative allosteric modulators. Mol Pharmacol. 2006 Aug, 70(2), 616-26</p> <p>[2]. Knoflach F et al. Positive allosteric modulators of metabotropic glutamate 1 receptor: characterization, mechanism of action, and binding site. Proc Natl Acad Sci U S A. 2001 Nov 6;98(23):13402-7.</p>			