



<p><b>Solvent&amp;Solubility</b></p>	<p>请根据您的实验动物和给药方式选择适当的溶解方案。以下溶解方案都请先按照 <b>In Vitro</b> 方式配制澄清的储备液，再依次添加助溶剂：</p> <p>——为保证实验结果的可靠性，澄清的储备液可以根据储存条件，适当保存；体内实验的工作液，建议您现用现配，当天使用； 以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比；如在配制过程中出现沉淀、析出现象，可以通过加热和/或超声的方式助溶</p> <p>1.请依序添加每种溶剂： 10% DMSO→40% PEG300 →5% Tween-80 → 45% saline Solubility: ≥ 2.5 mg/mL (4.78 mM); Clear solution</p> <p>此方案可获得 ≥ 2.5 mg/mL (4.78 mM, 饱和度未知) 的澄清溶液。</p> <p>以 1 mL 工作液为例，取 100 <math>\mu</math>L 25.0 mg/mL 的澄清 DMSO 储备液加到 400 <math>\mu</math>L PEG300 中，混合均匀向上述体系中加入 50 <math>\mu</math>L Tween-80，混合均匀；然后继续加入 450 <math>\mu</math>L 生理盐水定容至 1 mL。</p> <p>2.请依序添加每种溶剂： 10% DMSO→ 90% (20% SBE-<math>\beta</math>-CD in saline) Solubility: ≥ 2.5 mg/mL (4.78 mM); Clear solution</p> <p>此方案可获得 ≥ 2.5 mg/mL (4.78 mM, 饱和度未知) 的澄清溶液。</p> <p>以 1 mL 工作液为例，取 100 <math>\mu</math>L 25.0 mg/mL 的澄清 DMSO 储备液加到 900 <math>\mu</math>L 20% 的 SBE-<math>\beta</math>-CD 生理盐水水溶液中，混合均匀。</p> <p>3.请依序添加每种溶剂： 10% DMSO →90% corn oil Solubility: 2.5 mg/mL (4.78 mM); Precipitated solution; Need ultrasonic</p> <p>此方案可获得 2.5 mg/mL (4.78 mM)</p> <p>以 1 mL 工作液为例，取 100 <math>\mu</math>L 25.0 mg/mL 的澄清 DMSO 储备液加到 900 <math>\mu</math>L 玉米油中，混合均匀。</p>
<p><b>References</b></p>	<p>[1]. <a href="#">Felder CC, et al. Comparison of the pharmacology and signal transduction of the human cannabinoid CB1 and CB2 receptors. Mol Pharmacol. 1995 Sep;48(3):443-50.</a></p> <p>[2]. <a href="#">Ferraro L, et al. The cannabinoid receptor agonist WIN 55,212-2 regulates glutamate transmission in rat cerebral cortex: an in vivo and in vitro study. Cereb Cortex. 2001 Aug;11(8):728-33.</a></p> <p>[3]. <a href="#">Price TJ, et al. Cannabinoid receptor-independent actions of the aminoalkylindole WIN 55,212-2 on trigeminal sensory neurons. Br J Pharmacol. 2004 May;142(2):257-66.</a></p> <p>[4]. <a href="#">Payandemehr B, et al. Involvement of PPAR receptors in the anticonvulsant effects of a cannabinoid agonist, WIN 55,212-2. Prog Neuropsychopharmacol Biol Psychiatry. 2015 Mar 3;57:140-5</a></p>
<p><b>实验参考：</b></p>	
<p><b>Animal Administration</b></p>	<p>In experiment 1, different doses of WIN 55,212-2 (0.5, 1, 3, 5, 10 and 15 mg/kg) are injected 60 min prior to the determination of clonic seizure threshold induced by intravenous administration of PTZ solution. Control animals receive the same volume of the vehicle (1% aqueous solution of DMSO).</p> <p>The doses and time point are chosen on the basis of pilot studies. In experiment 2, in order to confirm the anticonvulsant effects of pioglitazone, different doses (10, 20, 40 and 80 mg/kg) are administered 4 h prior to PTZ in distinct groups of mice. The corresponding control group receive the appropriate vehicle (CMC 1%) at the same time point. In experiment 3, The additive anti epileptic effects of WIN 55,212-2 and pioglitazone are examined; mice receive acute administration of pioglitazone (10 or 20 mg/kg) 3 h before WIN 55,212-2 (0.5 or 1 mg/kg) and 4 h before PTZ. [3]</p>
	<p>[1]. <a href="#">Felder CC, et al. Comparison of the pharmacology and signal transduction of the human cannabinoid CB1 and CB2 receptors. Mol Pharmacol. 1995 Sep;48(3):443-50.</a></p> <p>[2]. <a href="#">Ferraro L, et al. The cannabinoid receptor agonist WIN 55,212-2 regulates glutamate</a></p>

<p><b>References</b></p>	<p><u>transmission in rat cerebral cortex: an in vivo and in vitro study. Cereb Cortex. 2001 Aug;11(8):728-33.</u></p> <p>[3]. <u>Price TJ, et al. Cannabinoid receptor-independent actions of the aminoalkylindole WIN 55,212-2 on trigeminal sensory neurons. Br J Pharmacol. 2004 May;142(2):257-66.</u></p> <p>[4]. <u>Payandemehr B, et al. Involvement of PPAR receptors in the anticonvulsant effects of a cannabinoid agonist, WIN 55,212-2. Prog Neuropsychopharmacol Biol Psychiatry. 2015 Mar 3;57:140-5</u></p>
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源叶生物