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产品名称: Etimizol
产品别名: Ethimizole; Ethymisol; Ethymisole

生物活性:				
Description	Etimizol(Ethymisole; Antifine; Ethylnorantifein) was shown to relieve amnesia effectively in the origin of which there is the hypoxic component (hypobaric hypoxia, actinomycin D, mechanical injury of the brain).			
In Vivo	The time interval between administration of etimizol (3 mg/kg) and the onset of learning varied between 0.5 and 3 h in the several series. Etimizol (Ethymisole) did not facilitate the learning in rats whatever the time of administration and biological modality of reinforcement [1]. After administration of Etimizol (Ethymisole) at doses of 10 or 1 mg/loop mean residence time of etimizol in the loop was 20.1 and 7.6 min, respectively, with mean standard deviation being 3.1 and 0.8, respectively [2]. Extracellular application of 5--10 mM/L Etimizol (Ethymisole) exerted a specific effect on the giant neurons of the Coretus corneus isolated nervous system: action potential duration increased significantly, speed of development of its descending phase decreased, as well as the trace hyperpolarization amplitude [3].			
Solvent&Solubility	In Vitro: Ethanol : ≥ 33.33 mg/mL (158.54 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	4.7567 mL	23.7835 mL
		5 mM	0.9513 mL	4.7567 mL
		10 mM	0.4757 mL	2.3783 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。 In Vivo: 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 In Vitro 方式配制澄清的储备液, 再依次添加助溶剂: ——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 1.请依序添加每种溶剂: 10% DMSO→40% PEG300 →5% Tween-80 → 45% saline Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution 此方案可获得 ≥ 2.5 mg/mL (11.89 mM, 饱和度未知) 的澄清溶液。 以 1 mL 工作液为例, 取 100 μL 25.0 mg/mL 的澄清 EtOH 储备液加到 400 μL PEG300 中, 混合均匀; 向上述体系中加入 50 μL Tween-80, 混合均匀; 然后继续加入 450 μL 生理盐水分定容至 1 mL。 2.请依序添加每种溶剂: 10% DMSO→ 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution 此方案可获得 ≥ 2.5 mg/mL (11.89 mM, 饱和度未知) 的澄清溶液。			



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	<p>以 1 mL 工作液为例, 取 100 μL 25.0 mg/mL 的澄清 EtOH 储备液加到 900 μL 20% 的 SBE-β-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 \rightarrow 90% corn oil</p> <p>Solubility: \geq 2.5 mg/mL (11.89 mM); Clear solution</p> <p>此方案可获得 \geq 2.5 mg/mL (11.89 mM, 饱和度未知) 的澄清溶液, 此方案不适用于实验周期在半个月以上的实验。</p> <p>以 1 mL 工作液为例, 取 100 μL 25.0 mg/mL 的澄清 EtOH 储备液加到 900 μL 玉米油中, 混合均匀。</p>
References	<p>[1]. Borisova Glu. Effect of etimizol on instrumental learning in rats. Biull Eksp Biol Med. 1985 Jun;99(6):705-6.</p> <p>[2]. Trnovec T, et al. Etimizol absorption from the small intestine in dogs: the dependence on dosage. Biull Eksp Biol Med. 1986 Dec;102(12):729-30.</p> <p>[3]. Vislobokov AI, et al. Electrophysiological parameters of mollusk neurons under the influence of etimizol. Fiziol Zh SSSR Im I M Sechenova. 1975 Jun;61(6):917-24.</p>

源叶生物