



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](http://www.shyuanye.com)  
邮箱: [shyysw@sina.com](mailto:shyysw@sina.com)

产品名称: 奥芬达唑  
产品别名: **Oxfendazole**

生物活性:				
Description	Oxfendazole is the sulfoxide form of fenbendazole which is a broad spectrum benzimidazole anthelmintic. Target: Antiparasitic Oxfendazole is the sulfoxide form of fenbendazole, a broad spectrum benzimidazole anthelmintic. Its main use is for protecting livestock against roundworm, strongyles and pinworms.[1]. Pigs in the treated group received Oxfendazole orally at 30 mg/kg dose. At five days post-treatment, animals were sacrificed and the clinical efficacy of the Oxfendazole treatment was established following the currently available WAAVP guidelines for a controlled efficacy test. None of the animals involved in this experiment showed any adverse events during the study. Oxfendazole treatment given as a single 30 mg/kg oral dose showed a 100% efficacy against all the nematode parasites present in the three experiments. In conclusion, under the current experimental conditions, Oxfendazole orally administered to naturally parasitized piglets at a single dose of 30 mg/kg was safe and highly efficacious (100%) against adult stages of A. suum, Oesophagostomum spp., T. suis and Metastrongylus spp [1].			
	<b>In Vitro:</b> <b>DMSO : 50 mg/mL (158.55 mM; Need ultrasonic)</b> <b>H<sub>2</sub>O : 0.67 mg/mL (2.12 mM; Need ultrasonic)</b>			
Solvent&Solubility	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	3.1711 mL	15.8554 mL
		5 mM	0.6342 mL	3.1711 mL
		10 mM	0.3171 mL	1.5855 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。 <b>In Vivo:</b> 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 (7.93 mM); Clear solution 此方案可获得 ≥ 2.5 mg/mL (7.93 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 DMSO 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 (7.93 mM); Clear solution			



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](http://www.shyuanye.com)  
邮箱: [shyysw@sina.com](mailto:shyysw@sina.com)

	<p>此方案可获得 <math>\geq 2.5</math> mg/mL (7.93 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 <math>\rightarrow</math> 90% corn oil</p> <p>Solubility: <math>\geq 2.5</math> mg/mL (7.93 mM); Clear solution</p> <p>此方案可获得 <math>\geq 2.5</math> mg/mL (7.93 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 <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>
References	<p>[1]. <a href="http://www.chemicaland21.com/lifescience/phar/OXFENDAZOLE.htm">http://www.chemicaland21.com/lifescience/phar/OXFENDAZOLE.htm</a></p> <p>[2]. Alvarez, L., et al., Efficacy of a single high oxfendazole dose against gastrointestinal nematodes in naturally infected pigs. Veterinary parasitology, 2013. 194(1): p. 70-74.</p>

源叶生物