

产品名称：去氢孕酮  
 产品别名：**Dydrogesterone**；地屈孕酮

生物活性:

Description	Dydrogesterone is a potent, orally active progestogen indicated in a wide variety of gynaecological conditions related to progesterone deficiency.																
IC <sub>50</sub> & Target	Progesterone Receptor[1].																
In Vitro	Dydrogesterone is a potent, orally active progestogen indicated in a wide variety of gynaecological conditions related to progesterone deficiency. Although similar in molecular structure and pharmacological effects to endogenous progesterone. It is orally active at far lower doses. Its freedom from estrogenic, androgenic, anabolic, corticoid and other undesirable hormonal effects gives it additional benefits over most other synthetic progestogens.Dydrogesterone has also been registered as hormone replacement therapy (HRT) to counteract the negative effects of unopposed estrogen on the endometrium in women with an intact uterus. Dydrogesterone is relatively safe and well tolerated, and does not exhibit the androgenic side effects that are common with some other progestins, like medroxyprogesterone[1].																
Solvent&Solubility	<b>In Vitro:</b> <b>DMSO : 33.33 mg/mL (106.67 mM; Need ultrasonic)</b>																
	<div>Preparing Stock Solutions</div>	<div><div>SolventMassConcentration</div></div>	1 mg	5 mg	10 mg	1 mM	3.2005 mL	16.0026 mL	32.0051 mL	5 mM	0.6401 mL	3.2005 mL	6.4010 mL	10 mM	0.3201 mL	1.6003 mL	3.2005 mL
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	10 mM		0.3201 mL	1.6003 mL	3.2005 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> <p><b>In Vivo:</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>																
	<div>1.请依序添加每种溶剂： 10% DMSO→40% PEG300 →5% Tween-80 → 45% saline</div> <div>Solubility: ≥ 2.5 mg/mL (8.00 mM); Clear solution</div> <div>此方案可获得 ≥ 2.5 mg/mL (8.00 mM，饱和度未知) 的澄清溶液。</div> <div>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。</div>																
	<div>2.请依序添加每种溶剂： 10% DMSO→ 90% (20% SBE-β-CD in saline)</div> <div>Solubility: ≥ 2.5 mg/mL (8.00 mM); Clear solution</div> <div>此方案可获得 ≥ 2.5 mg/mL (8.00 mM，饱和度未知) 的澄清溶液。</div> <div>以 1 mL 工作液为例，取 100 μL 25.0 mg/mL 的澄清 DMSO 储备液加到 900 μL 20% 的 SBE-β-CD 生理盐水水溶液中，混合均匀。</div>																

	<p>3.请依序添加每种溶剂： 10% DMSO →90% corn oil</p> <p>Solubility: ≥ 2.5 mg/mL (8.00 mM); Clear solution</p> <p>此方案可获得 ≥ 2.5 mg/mL (8.00 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 DMSO 储备液加到 900 μL 玉米油中，混合均匀。</p>
References	[1]. <a href="#">Dydrogesterone</a> , From Wikipedia, the free encyclopedia



源叶生物