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产品名称: **Terconazole**
产品别名: 特康唑; **R42470**

生物活性:

Description	Terconazole is a broad-spectrum antifungal medication for the treatment of vaginal yeast infection.				
In Vitro	Terconazole inhibits the growth of <i>Candida albicans</i> ATCC 44859 in a concentration-related manner, but with modest effects noted at levels from 0.1 to 10 μM when the yeast is grown on media favoring the cell form. The inhibitory potency of terconazole on yeast cell viability varies with the strain and species of <i>Candida</i> tested. The susceptibility of <i>C. albicans</i> ATCC 44859 to terconazole is markedly enhanced when the yeast is grown on Eagle minimum essential medium, which favors mycelium formation. There is a progression of changes, from loss of mycelia formation at 0.1 μM terconazole through complete necrosis at 100 μM[1]. Terconazole blocks the morphogenetic transformation from the yeast into the filamentous form at concentrations of 0.008 to 0.05 microgram/mL[2].				
In Vivo	A 3-day once-daily intravaginal application of terconazole 0.8% is usually sufficient to provide a functional therapeutic period of 7 days because of prolonged high biologically active antifungal levels in the vagina. No side effects are observed at any concentration of terconazole[2].				
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 30 mg/mL (56.34 mM) * "≥" means soluble, but saturation unknown.				
		<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg
	Preparing	1 mM	1.8781 mL	9.3904 mL	18.7808 mL
	Stock Solutions	5 mM	0.3756 mL	1.8781 mL	3.7562 mL
		10 mM	0.1878 mL	0.9390 mL	1.8781 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。					
References	[1]. Tolman EL, et al. Anticandidal activities of terconazole, a broad-spectrum antimycotic. Antimicrob Agents Chemother. 1986 Jun;29(6):986-91. [2]. Van Cutsem J, et al. The in vitro activity of terconazole against yeasts: its topical long-acting therapeutic efficacy in experimental vaginal candidiasis in rats. Am J Obstet Gynecol. 1991 Oct;165(4 Pt 2):1200-6.				
实验参考:					
Animal Administration	Rats: The rats are infected intravaginally with <i>C. albicans</i> . They are treated topically twice daily for 3 days, starting 24 hours after infection with a volume of 0.2 mL of various concentrations of terconazole (0.125%, 0.25%, 0.4%, 0.5%, 1%, 2%), miconazole, clotrimazole, econazole, nystatin, or amphotericin B[2].				
	[1]. Tolman EL, et al. Anticandidal activities of terconazole, a broad-spectrum antimycotic. Antimicrob Agents Chemother. 1986 Jun;29(6):986-91.				



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