

产品名称：西他沙星

产品别名：**Sitafloracin (hydrate)**；西他沙星水合物

生物活性：

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Description		Sitafloracin Hydrate is a new-generation, broad-spectrum oral fluoroquinolone antibiotic. Target: Antibacterial Sitafloracin Hydrate, a new-generation, broad-spectrum oral fluoroquinolone that is very active against many Gram-positive, Gram-negative and anaerobic clinical isolates, including strains resistant to other fluoroquinolones, was recently approved in Japan for the treatment of respiratory and urinary tract infections [1]. In terms of clinical efficacy, oral sitafloracin was noninferior to oral levofloxacin in the treatment of community-acquired pneumonia or an infectious exacerbation of chronic respiratory tract disease, noninferior to oral tosufloxacin in the treatment of community-acquired pneumonia, and noninferior to oral levofloxacin in the treatment of complicated urinary tract infections, according to the results of randomized, double-blind, multicentre, noninferiority trials. Noncomparative studies demonstrated the efficacy of oral sitafloracin in otorhinolaryngological infections, urethritis in men, C. trachomatis-associated cervicitis in women and odontogenic infections [2].				
Solvent&Solubility		In Vitro:				
		DMSO : 8.9 mg/mL (20.37 mM; Need ultrasonic and warming)				
		<div><div>Solvent</div><div>Mass</div><div>Concentration</div></div>	1 mg	5 mg	10 mg	
		Preparing	1 mM	2.2892 mL	11.4458 mL	22.8917 mL
		Stock Solutions	5 mM	0.4578 mL	2.2892 mL	4.5783 mL
			10 mM	0.2289 mL	1.1446 mL	2.2892 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]. Anderson, D.L., Sitafloracin hydrate for bacterial infections. <i>Drugs Today (Barc)</i> , 2008. 44(7): p. 489-501.				
		[2]. Keating, G.M., Sitafloracin: in bacterial infections. <i>Drugs</i> , 2011. 71(6): p. 731-44.				