

产品名称：氟氯西林钠
产品别名：Flucloxacillin sodium

生物活性:						
Description		Flucloxacillin sodium is a highly active antibiotic against Gram-positive and Gram-negative bacteria.				
IC ₅₀ & Target		Bacterial[1]				
In Vitro		The serum elimination half-life of flucloxacillin is 1.31-1.39 hours, and six hours after administration of a single 250 mg dose the serum concentration of flucloxacillin is 0.46 micrograms/mL[1]. Oral flucloxacillin does not affect sweat electrolytes and is not a contraindication to sweat testing[2]. Flucloxacillin has been reported to be metabolized in man to the penicilloic acid, the antibacterially active 5'-hydroxymethyl derivative and the penicilloic acid of the 5'-hydroxymethyl derivative. The metabolism of flucloxacillin in the rat is similar[3].				
Solvent&Solubility		<i>In Vitro:</i> H₂O : ≥ 100 mg/mL (210.15 mM) * "≥" means soluble, but saturation unknown.				
		<div>Preparing Stock Solutions</div>	<div>Solvent / Mass Concentration</div>	1 mg	5 mg	10 mg
			1 mM	2.1015 mL	10.5075 mL	21.0150 mL
			5 mM	0.4203 mL	2.1015 mL	4.2030 mL
			10 mM	0.2102 mL	1.0508 mL	2.1015 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		<p>[1]. Paton DM, et al. Bioavailability and half-life of two preparations of flucloxacillin. N Z Med J. 1982 Nov 10;95(719):766-8.</p> <p>[2]. Williams J, et al.Sweat tests and flucloxacillin. Arch Dis Child. 1988 Jul;63(7):847-8.</p> <p>[3]. Everett JR, et al. 19F NMR spectroscopy study of the metabolites of flucloxacillin in rat urine. J Pharm Pharmacol. 1985 Dec;37(12):869-73.</p>				
实验参考:						
Animal Administration		Rats: On the day of the experiment the animal is given an intravenous bolus injection of 200 mg/kg as pure free acid sodium flucloxacillin (dose volume: 1 mL sterile water per kg) and then return to the metabolism cage. Urine is collected directly into individual CO2 cooled containers for a period of 24 h before dosing and then at frequent intervals after dosing[3].				
References		<p>[1]. Paton DM, et al. Bioavailability and half-life of two preparations of flucloxacillin. N Z Med J. 1982 Nov 10;95(719):766-8.</p> <p>[2]. Williams J, et al.Sweat tests and flucloxacillin. Arch Dis Child. 1988 Jul;63(7):847-8.</p> <p>[3]. Everett JR, et al. 19F NMR spectroscopy study of the metabolites of flucloxacillin in rat urine. J Pharm Pharmacol. 1985 Dec;37(12):869-73.</p>				