

产品名称: **Cefmetazole sodium**

产品别名: 头孢美唑钠

生物活性:					
<b>Description</b>	Cefmetazole sodium is a semisynthetic cephamycin antibiotic. Target: Antibacterial Cefmetazole sodium has a broad spectrum of activity comparable to that of the second-generation cephalosporins, covering gram-positive, gram-negative, and anaerobic bacteria. Unlike the second-generation cephalosporins, cephamycins such as cefmetazole are usually active against <i>Bacteroides fragilis</i> . Cefmetazole is also active against beta-lactamase-producing organisms that are resistant to first-generation cephalosporins or penicillins. The pharmacokinetics of cefmetazole allow parenteral administration (intravenous or intramuscular) 2-3 times daily for treatment of infection. The drug has been studied in gynecologic, intraabdominal, urinary tract, respiratory tract, and skin and soft tissue infections. Administered preoperatively, it may reduce the frequency of infection in certain clean-contaminated or potentially contaminated procedures, including cesarean section, abdominal or vaginal hysterectomy, cholecystectomy (high-risk patients), and colorectal surgery.				
<b>Solvent&amp;Solubility</b>	<b><i>In Vitro:</i></b> <b>DMSO : <math>\geq 39</math> mg/mL (79.02 mM)</b>  * "≥" means soluble, but saturation unknown.				
		<b>Solvent</b>	<b>Mass</b>		
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
	<b>Preparing</b>	1 mM	2.0263 mL	10.1313 mL	20.2626 mL
<b>Stock Solutions</b>	5 mM	0.4053 mL	2.0263 mL	4.0525 mL	
	10 mM	0.2026 mL	1.0131 mL	2.0263 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>References</b>	[1]. Schentag JJ, et al. Cefmetazole sodium: pharmacology, pharmacokinetics, and clinical trials. <u>Pharmacotherapy</u> . 1991;11(1):2-19.				

源叶生物