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产品名称: 磺胺喹噁啉钠
产品别名: **Sulfaquinoxaline sodium salt**

生物活性:					
Description	Sulfaquinoxaline sodium salt is an antibiotic which has activity against a broad spectrum of Gram-negative and Gram-positive bacteria.				
IC ₅₀ & Target	Bacterial[1]				
In Vivo	The antimicrobial Sulfaquinoxaline sodium salt has activity against a broad spectrum of Gram-negative and Gram-positive bacteria and is widely used in poultry production as therapeutic or prophylactic agent. Concentrations of Sulfaquinoxaline sodium salt that are higher than the drug's maximum residue limit (MRL) (100 µg/kg) are found in the breast muscle until the 36 th day of breeding in this study[1].				
Solvent&Solubility	In Vitro: DMSO : 30 mg/mL (93.08 mM; Need ultrasonic and warming)				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	3.1025 mL	15.5125 mL	31.0251 mL
		5 mM	0.6205 mL	3.1025 mL	6.2050 mL
		10 mM	0.3103 mL	1.5513 mL	3.1025 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。				
References	[1]. de Assis DC, et al. Evaluation of the Presence and Levels of Enrofloxacin, Ciprofloxacin, Sulfaquinoxaline and Oxytetracycline in Broiler Chickens after Drug Administration. PLoS One. 2016 Nov 15;11(11):e0166402.				
实验参考:					
Animal Administration	For the depletion studies, 240 1-day-old Cobb chicks are used. The chickens are housed in pens that contains 30 birds each (10 birds/m ²) and are provided <i>ad libitum</i> access to water and non-medicated feed. The chickens are randomly allocated into four experimental groups, labeled from A to D, containing 80 birds each. Chickens in group A form the untreated control group, whereas those in group C are treated with 10 mg/kg bw of Sulfaquinoxaline sodium salt, which is administered via drinking water from the 32 nd to 34 th day of breeding[1].				
References	[1]. de Assis DC, et al. Evaluation of the Presence and Levels of Enrofloxacin, Ciprofloxacin, Sulfaquinoxaline and Oxytetracycline in Broiler Chickens after Drug Administration. PLoS One. 2016 Nov 15;11(11):e0166402.				