

产品名称：司拉克丁
 产品别名：Selamectin

生物活性:					
Description	Selamectin is an anthelmintic which can be used on dogs and cats.				
In Vivo	Three monthly treatments with Selamectin/sarolaner provide high and consistent efficacy against <i>I. ricinus</i> for the entire duration of the study period. The percentage efficacy against <i>I. ricinus</i> is numerically higher in the Selamectin/sarolaner treating group than in the fluralaner-treating group on Days 56, 84 and 91[1]. All dogs are tested negative by both tests after receiving topical treatment with Selamectin monthly for 36 months[2].				
Solvent&Solubility	In Vitro: DMSO : 100 mg/mL (129.88 mM; Need ultrasonic and warming)				
		Solvent Mass Concentration	1 mg	5 mg	10 mg
	Preparing	1 mM	1.2988 mL	6.4938 mL	12.9877 mL
	Stock Solutions	5 mM	0.2598 mL	1.2988 mL	2.5975 mL
		10 mM	0.1299 mL	0.6494 mL	1.2988 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]. Thomas Geurden, et al. Comparative efficacy of a new spot-on combination product containing selamectin and sarolaner (Stronghold?Plus) versus fluralaner (Bravecto?) against induced infestations with Ixodes ricinus ticks on cats. Published online 2017 Jun 29. [2]. Maria de Fátima Chicarino Varajao Moraes-da-Silva, et al. Selamectin for the prevention of canine Dirofilaria immitis infection: field efficacy in client-owned dogs in a high risk area. Published online 2016 Jul 22.				
实验参考:					
Animal Administration	The cats are weighed on Days-2, 29 and 58 to calculate the dosing. Cats in group 1 (control group) remain untreated. On Day 0, the cats in group 3 are treated with fluralaner at the minimum recommending label dose of 40.0 mg per kg body weight. On Days 0, 30 and 60, the cats in group 2 are treated with the new spot-on formulation at the minimum recommending label dose of 1.0 mg/kg sarolaner and 6.0 mg/kg Selamectin. The cats are observed at different time points after treatment for possible adverse reactions to treatment. On Day 0, administration site observations are performed on all cats 30 min (±5 min), 3 h (±15 min) and 24 h (±1 h) and again on Days 3 and 5 after treatment[1].				
References	[1]. Thomas Geurden, et al. Comparative efficacy of a new spot-on combination product containing selamectin and sarolaner (Stronghold?Plus) versus fluralaner (Bravecto?) against induced infestations with Ixodes ricinus ticks on cats. Published online 2017 Jun 29. [2]. Maria de Fátima Chicarino Varajao Moraes-da-Silva, et al. Selamectin for the prevention of canine Dirofilaria immitis infection: field efficacy in client-owned dogs in a high risk area. Published online 2016 Jul 22.				



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