

产品名称：莫西菌素
产品别名：Moxidectin

生物活性:					
Description	Moxidectin(ProHeart 6; CL301423; Cydectin) is an anthelmintic drug which kills parasitic worms (helminths), and is used for the prevention and control of heartworm and intestinal worms. IC50 value: Target: Anti-parasitic Moxidectin is a semisynthetic derivative of nemadectin, which is produced by fermentation by Streptomyces cyano-griseus. Moxidectin treats and controls some of the most common internal and external parasites by selectively binding to a parasite's glutamate-gated chloride ion channels. These channels are vital to the function of invertebrate nerve and muscle cells; when moxidectin binds to the channels, it disrupts neurotransmission, resulting in paralysis and death of the parasite. Studies of moxidectin show the side effects vary by animal and may be affected by the product's formulation, application method and dosage.				
	In Vitro: DMSO : ≥ 42 mg/mL (65.64 mM) * "≥" means soluble, but saturation unknown.				
Solvent&Solubility	Preparing Stock Solutions	SolventMassConcentration	1 mg	5 mg	10 mg
		1 mM	1.5629 mL	7.8147 mL	15.6294 mL
		5 mM	0.3126 mL	1.5629 mL	3.1259 mL
		10 mM	0.1563 mL	0.7815 mL	1.5629 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]. Moxidectin , From Wikipedia				

源叶生物