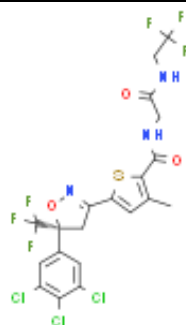


Product Data Sheet

Cas No.:	1369852-71-0	Cat. No:	PL02306
Product Name:	Lotilaner		
Product synonym:	洛替拉纳		
Chemical name:	Lotilaner		
MF:	C20H14CL3F6N3O3S	FW:	596.757881641388
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	ClC1C(=C(C=C(C=1)[C@]1(C(F)(F)F)CC(C2=CC(C)=C(C(C(NCC(NCC(F)(F)F)=O)=O)S2)=NO1)Cl)Cl		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Lotilaner 是一种杀寄生虫剂，为有效、非竞争性的昆虫 GABACl 受体拮抗剂，对果蝇 GABA 受体的 IC50 值为 23.84 nM。对家犬的 GABAA 无明显作用。

生物活性	Lotilaner is a parasiticide, acts as a potent non-competitive antagonist of insects GABACl receptors, with an IC 50 of 23.84 nM for Drosophila melanogaster GABA receptor. No effect on a dog GABAA receptor.
IC50 & Target[1][2]	IC50: 23.84 nM (DmS-GABA), 38.25 nM (DmR2-GABA), 52.40 nM (Ls-GABA1), 36.79 nM (Rm-GABA)
体外研究(In Vitro)	Lotilaner shows IC50s of 38.25 ± 3.75, 52.40 ± 4.54, 36.79 ± 4.39 nM for Drosophila melanogaster dieldrin/fipronil-resistant forms (DmR2), Lepeophtheirus salmonis (Ls) and Rhipicephalus microplus (Rm) GABACl receptors, respectively. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	Powder -20°C 3 years; 4°C 2 years
溶解度数据	In Vitro: DMSO : ≥ 100 mg/mL (167.57 mM)配制储备液