



Product Information

Selamectin, MW 769.96, ≥98%

Cat. No.: X24-04-XQ002

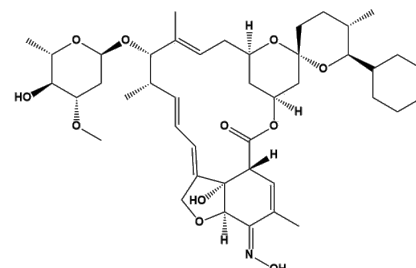
Size: 100 mg; 250 mg; 1 g; 5 g

CAS Number: 220119-17-5

Compound CID: 9578507

Synonym: 220119-17-5; Selamectin; Revolution

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Selamectin is a topical parasiticide and anthelmintic medicine used in the prevention of parasites in pets. Selamectin is a high-quality product with a molecular weight of 769.96 and a high purity level of ≥98%.
Molecular Weight	769.96
Molecular Formula	C ₄₃ H ₆₃ NO ₁₁
IUPAC Name	(1 <i>R</i> ,4 <i>S</i> ,5' <i>S</i> ,6 <i>R</i> ,6' <i>S</i> ,8 <i>R</i> ,10 <i>E</i> ,12 <i>S</i> ,13 <i>S</i> ,14 <i>E</i> ,16 <i>E</i> ,20 <i>R</i> ,21 <i>Z</i> ,24 <i>S</i>)-6'-Cyclohexyl-24-hydroxy-21-hydroxyimino-12-[(2 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>S</i>)-5-hydroxy-4-methoxy-6-methyloxan-2-yl]oxy-5',11,13,22-tetramethylspiro[3,7,19-trioxatetracyclo[15.6.1.14,8.020,24]pentacos-10,14,16,22-tetraene-6,2'-oxane]-2-one
InChI	InChI=1S/C43H63NO11/c1-24-11-10-14-30-23-50-40-36(44-48)27(4)19-33(43(30,40)47)41(46)52-32-20-31(16-15-25(2)38(24)53-35-21-34(49-6)37(45)28(5)51-35)54-42(22-32)18-17-26(3)39(55-42)29-12-8-7-9-13-29/h10-11,14-15,19,24,26,28-29,31-35,37-40,45,47-48H,7-9,12-13,16-18,20-23H2,1-6H3/b11-10+,25-15+,30-14+,44-36-/t24-,26-,28-,31+,32-,33-,34-,35-,37-,38-,39-,40+,42+,43+/m0/s1
InChI Key	AFJYYKSVHJGXSN-XHKIUTQPSA-N
Canonical SMILES	CC1CCC2(CC3CC(O2)CC=C(C(C(C=CC4COC5C4(C(C=C(C5=NO)C)C(=O)O3)O)C)OC6CC(C(C(O6)C)O)OC)C)OC1C7CCCCC7
Isomeric SMILES	C[C@H]1CC[C@]2(C[C@@H]3C[C@H](O2)C/C=C/[C@H]([C@H]/C=C/C=C/4\CO[C@H]5[C@@]4([C@@H](C=C/C5=N/O)C)C(=O)O3)O)C)O[C@H]6C[C@@H]([C@H]([C@@H](O6)C)O)OC)\C)O[C@@H]1C7CCCCC7
Form	White or almost white hygroscopic powder
Purity	≥98%
Applications	Selamectin with the molecular weight of 769.96 and a purity greater than 98% can be used for the study of anti-parasitic mechanisms in different organisms.



Storage

Store at -20°C.
