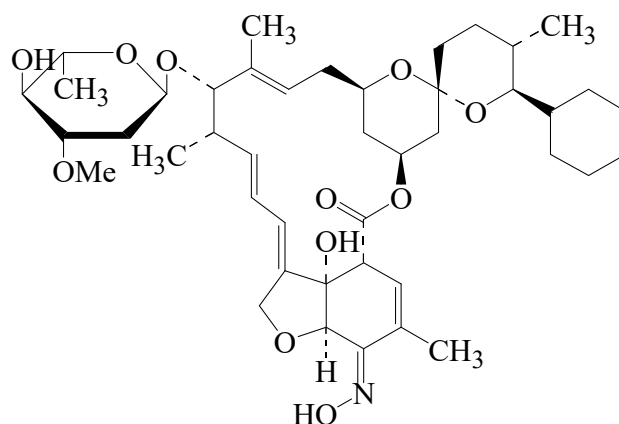




>>Entry Name: Selamectin, INN

Synonym(s): 25-Cyclohexyl-4'-O-de(2,6-dideoxy-3-O-methyl- α -L-arabino-hexopyranosyl)-5-demethoxy-25-de(1-methylpropyl)-22,23-dihydro-5-(hydroxyimino)avermectin A_{1a}, 9Cl. Revolution. Stronghold



CAS Registry Number: 220119-17-5

Related CAS Registry Numbers(s): 165304-89-2

Extra CAS Registry Numbers(s): 165108-07-6

Molecular Formula: C₄₃H₆₃NO₁₁

Molecular Weight: 769.971

Accurate Mass: 769.440114

Percentage Composition: C 67.08%; H 8.25%; N 1.82%; O 22.86%

Biological Use/Importance: Antiparasitic agent for veterinary use

Physical Description: Cryst. (MeOH aq.)

Other Data: Related to [GRO42-G](#)

References:

Pat. Coop. Treaty (WIPO), 1994, *Pfizer*, 94 15 944; *CA*, **123**, 83942r, (*synth, activity*)

Pat. Coop. Treaty (WIPO), 1999, *Pfizer*, 99 07 721; *CA*, **130**, 139578r, (*synth, Z.form*)

Banks, B.J. *et al.*, *Bioorg. Med. Chem.*, 2000, **8**, 2017-2025, (*activity*)

Pacey, M.S. *et al.*, *J. Antibiot.*, 2000, **53**, 301-305, (*synth, epimer*)

Bishop, B.F. *et al.*, *Vet. Parasitol.*, 2000, **91**, 163-176; 177-185; 187-199; 201-212; 213-222; 223-232; 393-403, (*activity*)