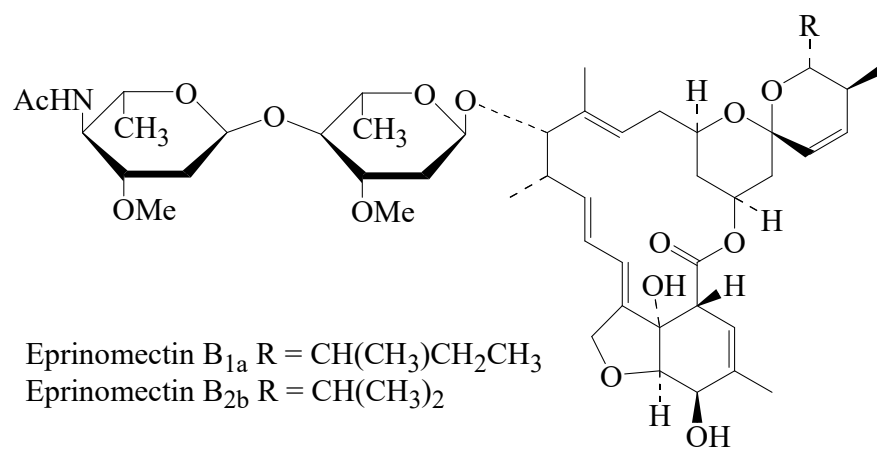




>>Entry Name: Eprinomectin, INN, USAN

Synonym(s): Eprinex. MK 397



CAS Registry Number: 123997-26-2

Related CAS Registry Numbers(s): 160902-72-7

General Statement: Semisynthetic avermectin; see Avermectin B_{1a} [CLF13-X](#) and Avermectin B_{1b} [CLF14-Y](#). Mixt. of 2 components Eprinomectin B_{1a} (90%) and Eprinomectin B_{1b} (10%)

Biological Use/Importance: Anthelmintic agent

>>Variant: Eprinomectin B_{1a}

CAS Registry Number: 133305-88-1

Molecular Formula: C₅₀H₇₅NO₁₄

Molecular Weight: 914.141

Accurate Mass: 913.518759

Percentage Composition: C 65.70%; H 8.27%; N 1.53%; O 24.50%

>>Variant: Eprinomectin B_{1b}

CAS Registry Number: 133305-89-2

Molecular Formula: C₄₉H₇₃NO₁₄

Molecular Weight: 900.114

Accurate Mass: 899.503109

Percentage Composition: C 65.38%; H 8.17%; N 1.56%; O 24.88%

References:

Blizzard, T.A. *et al.*, *J. Antibiot.*, 1989, **42**, 1304, (*synth*)

Zeng, Z. *et al.*, *Drug Metab. Dispos.*, 1996, **24**, 572-578, (*metab*)

Shoop, W.L. *et al.*, *Int. J. Parasitol.*, 1996, **26**, 1227-1235; 1237-1242, (*pharmacokinet, use*)