

[Open Peer Review on Qeios](#)

Virginiamycin

National Cancer Institute

Source

National Cancer Institute. *Virginiamycin*. NCI Thesaurus. Code C937.

A class of streptogramin-related depsipeptides isolated from the bacterium *Streptomyces virginiae* and other *Streptomyces* bacterial species. The virginiamycins consist of two major components, virginiamycin M1 and virginiamycin S1. These agents bind to and inhibit ribosome assembly, thereby preventing protein synthesis. Active against Gram-positive bacteria, these antibiotics are primarily used in veterinary practice. (NCI04)