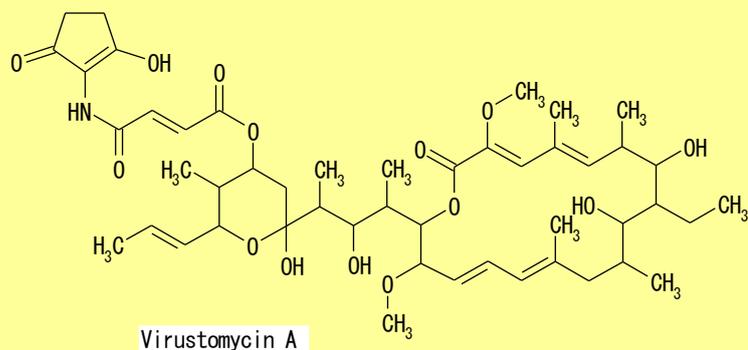


Virustomycin A

Cat.# BLK0610

Structure



Virustomycin A

Origin: *Streptomyces* sp. AM-2604

CAS Registry Number: 84777-85-5

CA Index Name: 23-O-De(4-O-aminocarbonyl-2,6-dideoxy-β-D-arabino-hexopyranosyl)-23-O-[4-[(2-hydroxy-5-oxo-1-cyclopenten-1-yl)amino]-1,4-dioxo-2-butenyl]concanamycin A

Appearance: yellow solid

Molecular Formula/ Weight: C₄₈H₇₁NO₁₄=886.10

Melting Point: 196-199°C Purity: 97% by HPLC

Solubility: Sol. MeOH, EtOH, Chloroform, Acetone
Inso. water, Hexane

pKa:

log P:

Background Information:

Virustomycin A, which is a 18-membered macrolide, was isolated from *Streptomyces* sp. AM-2604¹⁾ and *Trichomonas foetus*²⁾. Virustomycin A is active against trichomonads and various RNA and DNA viruses, and weakly active against some fungi. In addition, Virustomycin A has antitrypanosomal activities³⁾.

Handling and Storage:

Store at -20°C.

References:

1. S. Ōmura, et. al., J Antibiot (Tokyo), **35**, 1632-1637 (1982).
2. S. Ōmura, et. al., J Antibiot (Tokyo), **36**, 1755-1761 (1983).
3. K. Otoguro, et. al., J Antibiot (Tokyo). **61**, 372-378 (2008).

Manufactured with Cortesy strain from The Kitasato Institute.

(ID#: AM-2604)