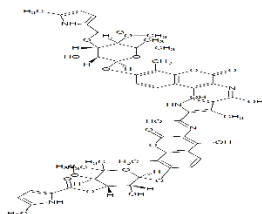


Coumermycin A1

ALTERNATE NAME: [(3~{R},4~{S},5~{R},6~{R})-5-hydroxy-6-[4-hydroxy-3-[[5-[[4-hydroxy-7-[(2~{R},3~{R},4~{S},5~{R})-3-hydroxy-5-methoxy-6,6-dimethyl-4-(5-methyl-1~{H})-pyrrole-2-carbonyl]oxyoxan-2-yl]oxy-8-methyl-2-oxochromen-3-yl]carbonyl]-4-methyl-1~{H})-pyrrole-3-carbonyl]amino]-8-methyl-2-oxochromen-7-yl]oxy-3-methoxy-2,2-dimethyloxan-4-yl] 5-methyl-1~{H})-pyrrole-2-carboxylate
Sugordomycin D-1a
COUMERMYCIN

CATALOG #: B2414-1 1 mg
B2414-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₅₅H₅₉N₅O₂₀

MOLECULAR WEIGHT: 1110.08

CAS NUMBER: 4434-05-3

APPEARANCE: White to off-white solid

PURITY: ≥98% by TLC

SOLUBILITY: >40 mg/ml DMSO

STORAGE CONDITIONS: -20°C

DESCRIPTION: Coumermycin A1 is a member of the aminocoumarin family of antibiotics that displays antibacterial activity against staphylococci and other gram-positive bacteria and some select gram-negative bacteria. Coumermycin A1 targets the B subunit of the bacterial DNA gyrase, inhibiting DNA synthesis.

REFERENCES: Cele, F.N., et al. (2016). Cell Biochem Biophys. 74, 353-363.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Novobiocin sodium salt (B1526)
Trovafoxacin mesylate (B1565)
Enrofloxacin (B2101)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*