



Formula: C₂₈H₄₀N₂O₉

MW: 548.63

CAS: 1397-94-0

MDL: MFCD00076116

TNP: TNP00278

antimycina,mixtureofthecomponentsa(1),a(2),a(3),a(4); antipiricullin; antipiricullin[qr]; caswellno052b[qr]; epapesticidechemicalcode006314[qr]; verosin[qr]; virosin; virosin[qr]



LogP: 3.99

LogS:

Acceptors: 9

Donors: 3

Rotation Bonds: 9

Chiral Centers: 5

N+O: 11

LIPINSKY: 3

Info: Antimycin A from *Streptomyces* sp, Mixture of components A1, A2, A3 and A4.

IUPAC: (3S,6S,2R,7R,8R)-3-[(3-carboxylamino-2-hydroxyphenyl)carbonylamino]-8-hexyl-2,6-dimethyl-4,9-dioxo-1,5-dioxonan-7-yl 3-methylbutanoate

Smiles:

C1([C@@H](NC(c2c(c(NC=O)ccc2)O)=O)[C@H](OC([C@H](CCCCC)[C@H]([C@@H](O1)C)

OC(=O)CC(C)C(=O)C=O

Physiol Action: Antibiotic

Specification: Antibiotics; Antibiotics A to; Antibiotics A-FAntibiotics; Antibiotics by Application; AntifungalAntibiotics; Antineoplastic and Immunosuppressive AntibioticsAntibiotics; Chemical Structure Class; Inhibits an EnzymeAntibiotics; Mechanism of Action; Peptides; Spectrum of Activity; Cell Stress; Inhibits an EnzymeNitric Oxide and Cell Stress; Mitochondrial InhibitorsAntibiotics; PeptidesMore...Close... ANTIMYCIN A Chemical Properties:

storage temp. 2-8C Safety Information Hazard Codes T Risk Statements 25 Safety Statements 26-36/37/39-45 RIDADR UN 3462 6.1/PG 2 WGK Germany 3 RTECS CD0350000 F 18 HazardClass 6.1(a) PackingGroup II ANTIMYCIN A Usage And Synthesis General DescriptionSolid. Specific uses for ANTIMYCIN A were not found. ANTIMYCIN A1, and ANTIMYCIN A3 are reported as antibiotics produced by Streptomyces for use as a fungicide and possibly as an insecticide and miticide. Registered only as a pesticide in the U.S. Fire HazardWhen heated to decomposition, ANTIMYCIN A emits toxic fumes of oxides of nitrogen. ANTIMYCIN A