



Formula: C₃₁H₃₅N₂O₁₁

MW: 611.63

Salt: Na⁺

CAS: 1476-53-5

TNP NUMBER: TNP00635

IUPAC: 3-hydroxy-2-(4-hydroxy-3-{[4-hydroxy-3-(3-methylbut-2-enyl)phenyl]carbonylamino}-8-methyl-2-oxochromen-7-yloxy)-5-methoxy-6,6-dimethyl-2H-3,4,5,6-tetrahydro pyran-4-yl aminoate

Smiles:

Cc1c2c(c([O-])c(c(o2)=O)NC(=O)c2cc(CG=C(C)C)c(cc2)O)ccc1OC1C(O)C(OC(N)=O)C(C(O1)C)C)OC

THERAPEUTIC CATEGORY: Antibacterial

VET THERAP CATEGORY: Antimicrobial

REFERENCE: 1. D. Lockshon, D.R. Morris Nucleic Acids Res. 11, 2999, (1983) 2. N.R. Cozzarelli Science 207, 953, (1980) 3. Y. Sumiyoshi et al. J. Gen. Virol. 64, 2329, (1983)
Merck Merck 13,6755 Beilstein Beil. 18,IV,8125

SOURCE: Antibiotic substance produced by *Streptomyces spheroides*

ACCEPTORS: 11

DONORS: 5

ROTATION BONDS: 10

N+O: 13

Chiral Centers: 4

LogP: 1.2

LogS: -4.84

LIPINSKI: 2

Synonyms:

albamycin(capsule);Albamycinsodium;Cathomycinsodium;Cathomycinsodiumlyovac;Monosodium novobiocin;Novobiocin,sodiumderiv.;Novobiocinmonosodium;Sodiumalbamycin

CAS:1476-53-5

MF:C31H35N2NaO11

MW:634.61

EINECS:216-023-6

Product Categories:Coumarin-glycosidesAntibiotics;Antibacterial;Antibiotics;Antibiotics A to;Antibiotics by Application;Antibiotics N-SAntibiotics;Antineoplastic and Immunosuppressive AntibioticsAntibiotics;Chemical Structure Class;Inhibits an EnzymeAntibiotics;Interferes with DNA SynthesisSpectrum of Activity;L - ZMore...Close...;Mechanism of Action NOVOBIOCIN SODIUM SALT

Chemical Properties: mp 215-220 C storage temp. 2-8C Merck 13,6755 Xi,Xn Risk Statements 43-36-36/37/38-20/21/22 Safety Statements 36-36/37-26-37/39 WGK Germany 2 RTECS RD5425000 F 8-10 NOVOBIOCIN SODIUM SALT

Usage And Synthesis: NOVOBIOCIN SODIUM SALT

