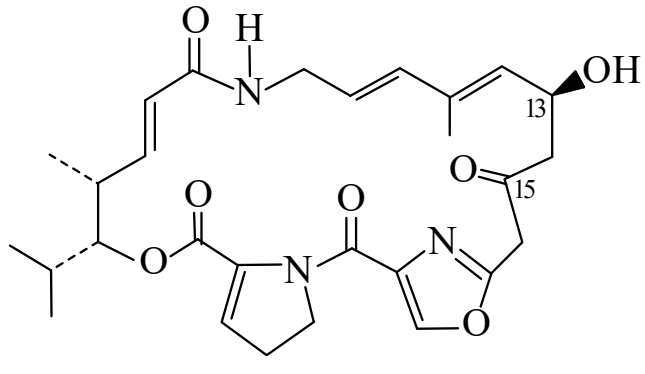
>>**Entry Name: Ostreogrycin A**
ENTRY UNDER REVIEW
Synonym(s): Mikamycin A. Pristinamycin II_A. Staphylomycin M_1. Streptogramin A. Syncothrecin A. Synergistin A_1. Virginiamycin M_1. Vernamycin A. E129A. PA 114A. $1745Z_3A$. 547C. Antibiotic 14752-2. Antibiotic E129A. Antibiotic PA 114A. Antibiotic $1745Z_3A$. Antibiotic 547C. Factor M



CAS Registry Number: 21411-53-0
Related CAS Registry Numbers(s): 118693-64-4 118759-89-0

Molecular Formula: $C_{28}H_{35}N_3O_7$
Molecular Weight: 525.6
Accurate Mass: 525.247502
Percentage Composition: C 63.99%; H 6.71%; N 7.99%; O 21.31%
Biological Source: Isol. from *Streptomyces pristinaespiralis*, *Streptomyces virginiae* and other *Streptomyces* spp.
Use/Importance: Active against gram-positive organisms
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 200 dec.°
Optical Rotation: $[\alpha]_D^{23}$ –209 (c, 1 in EtOH)
Calculated Log P Data: Log P 0.39 (uncertain value) (calc)
UV: [acid] λ_{max} 303 (ε 15800) (EtOH/HCl) (Derep) [base] λ_{max} 293 (ε 21900) (EtOH/NaOH) (Derep) [neutral] λ_{max} 228 (ε 32400); 272 (sh) (ε 10000) (95% EtOH) (Derep)

Sigma: V2753

>>**Derivative:** Mixture with *ca*. 25% other Virginamycins
Synonym(s): Virginiamycin, BAN, INN, USAN**.** Cebin V. Eskalin V. Eskamicin. Stafac. Stephylomycin. Mikamycin. Ostreogrycin. Patricin. Pristinamycin. Streptogramin. Vernamycin

CAS Registry Number: 11006-76-1

Use/Importance: Antibacterial food additive
Physical Description: Powder
Development Status: Discontinued
Optical Rotation: $[\alpha]_D$ –124 (c, 0.05 in EtOH)
Other Data: Dec. at 138-140°
Hazard & Toxicity: LD_{50} (mus, orl) 2100 mg/kg

>>**Derivative:** 13-Deoxy
Synonym(s): Antibiotic L 156588. L 156588

CAS Registry Number: 118693-65-5

Molecular Formula: $C_{28}H_{35}N_3O_6$
Molecular Weight: 509.601
Accurate Mass: 509.252587
Percentage Composition: C 65.99%; H 6.92%; N 8.25%; O 18.84%
Biological Source: From *Streptomyces olivaceus*
Use/Importance: Gastrin and brain cholecystokinin antagonist
Solubility: BERDY SOL: Sol. MeOH, EtOAc; poorly sol. H_2O, hexane
UV: [neutral] λ_{max} 212 (ε 28400); 275 (ε 38900) (MeOH) (Derep) [neutral] λ_{max} 213 (E1%/1cm 542) (MeOH) (Berdy)

>>**Derivative:** 13-Deoxy, 13,14-epoxy
Synonym(s): Antibiotic L 156587. L 156587

CAS Registry Number: 119465-45-1

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