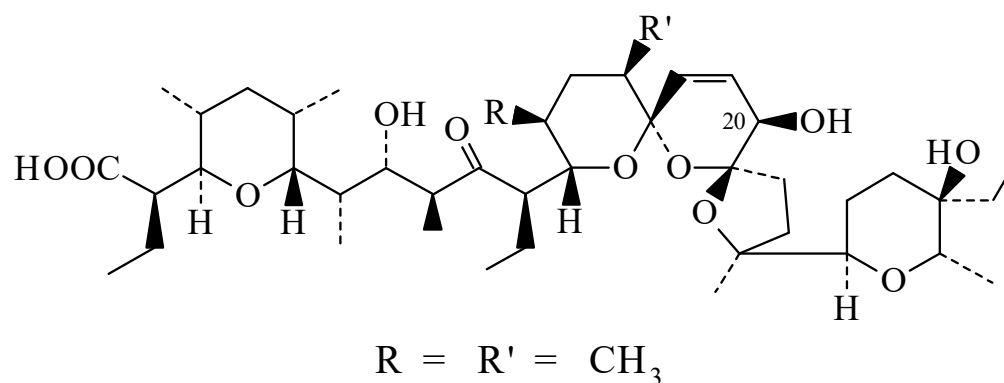




>>Entry Name: Narasin A

ENTRY UNDER REVIEW

Synonym(s): 4-Methylsalinomycin, 9CI. Monteban. **Narasin**, BAN, INN, USAN. Narasul. A 28086A. C 18-205. C 7819B. Lilly 79891. Antibiotic A 28086A. Antibiotic C 7819B



CAS Registry Number: 55134-13-9

Related CAS Registry Numbers(s): 59979-83-8

Molecular Formula:  $C_{43}H_{72}O_{11}$

Molecular Weight: 765.035

Accurate Mass: 764.507465

Percentage Composition: C 67.51%; H 9.49%; O 23.00%

Biological Source: Isol. from *Streptomyces aureofaciens*, *Streptomyces lydicus* and *Streptomyces parvulus*

Biological Use/Importance: Ionophore effective against viruses and particularly against coccidial infections in chickens

Physical Description: Cryst. ( $Me_2CO$  aq.)

Melting Point: Mp 98-100°. Mp 198-200° (double Mp)

Optical Rotation:  $[\alpha]_D^{25} -54$  ( $CHCl_3$ )

Calculated Log P Data: Log P 5.54 (uncertain value) (calc)

UV: [neutral]  $\lambda_{max}$  0 (end) ( $\epsilon$ ) (no solvent specified) (Derep)

Hazard & Toxicity:  $LD_{50}$  (mus, ipr) 7 mg/kg

Sigma: N1271

>>Derivative: Na salt

CAS Registry Number: 70052-00-5

Physical Description: Cryst.

Melting Point: Mp 158-160°

>>Derivative: Me ester

CAS Registry Number: 63045-44-3

Molecular Formula:  $C_{44}H_{74}O_{11}$

Molecular Weight: 779.062

Accurate Mass: 778.523115

Percentage Composition: C 67.84%; H 9.57%; O 22.59%

Melting Point: Mp 160-162°

>>Derivative: 20-Ketone

Synonym(s): Narasin B. A 28086B. Antibiotic A 28086B

CAS Registry Number: 58439-94-4

Molecular Formula:  $C_{43}H_{70}O_{11}$

Molecular Weight: 763.019

Accurate Mass: 762.491815

Percentage Composition: C 67.69%; H 9.25%; O 23.07%

Biological Source: From *Streptomyces aureofaciens*

Biological Use/Importance: Antiviral agent

Melting Point: Mp 150-153°

Solubility: BERDY SOL: Sol. MeOH, Et<sub>2</sub>O; fairly sol. hexane; poorly sol. H<sub>2</sub>O

UV: [neutral]  $\lambda_{max}$  (MeOH) (Berdy)

>>Derivative: 20-Deoxy

Synonym(s): 20-Deoxynarasin