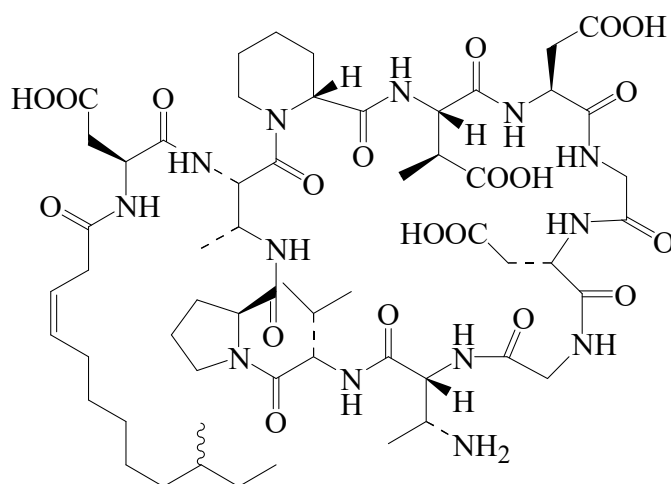




>>Entry Name: **Amphomycin**, 9CI, BAN, USAN

Synonym(s): Glumamycin. **Amfomycin**, INN. Antibiotic A 1437E. A 1437E



CAS Registry Number: 1402-82-0

Related CAS Registry Numbers(s): 1405-31-8 11006-01-2

Molecular Formula: $C_{58}H_{91}N_{13}O_{20}$

Molecular Weight: 1290.432

Accurate Mass: 1289.650337

Percentage Composition: C 53.98%; H 7.11%; N 14.11%; O 24.80%

General Statement: Lipopeptide antibiotic. Struct. revised in 2000

Biological Source: Prod. by *Streptomyces canus*, *Streptomyces violaceus* and *Streptomyces albogriseolus*. Also from *Actinoplanes friuliensis*

Biological Use/Importance: Inhibits the cell wall formation of *Bacillus cereus*. Effective disinfectant of pebrine diseased silkworm eggs. Polypeptide antibiotic active against gram-positive bacteria. Applied topically in treatment of skin infections

Physical Description: Cryst.

Optical Rotation: $[\alpha]_D^{25} +7.5$ (c, 1 in H_2O at pH 6)

Other Data: Isoelectric point 3.5-3.6. Also contains a minor component with (+)-isododecenoic acid as fatty acid. Shows low toxicity

Hazard & Toxicity: LD₅₀ (mus, orl) 500 mg/kg

Sigma: A9835

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