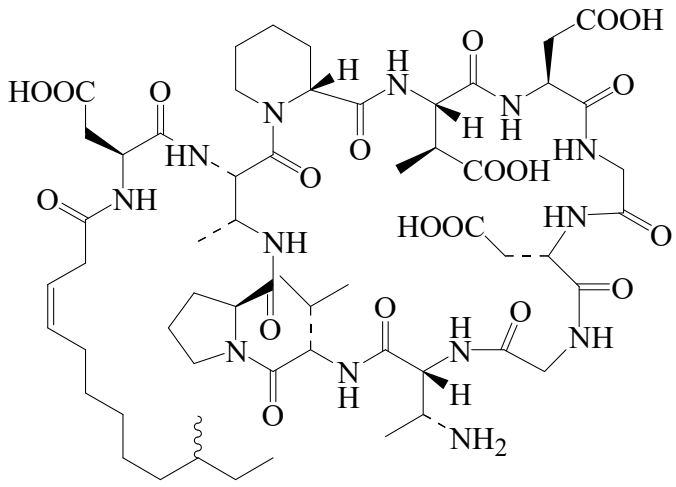
>> **Name: Amphomycin,** 9CI, BAN, USAN
Synonym(s): Glumamycin. **Amfomycin,** INN. Antibiotic A 1437E. A 1437E



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%

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: LD_{50} (mus, orl) 500 mg/kg

Sigma: A9835

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