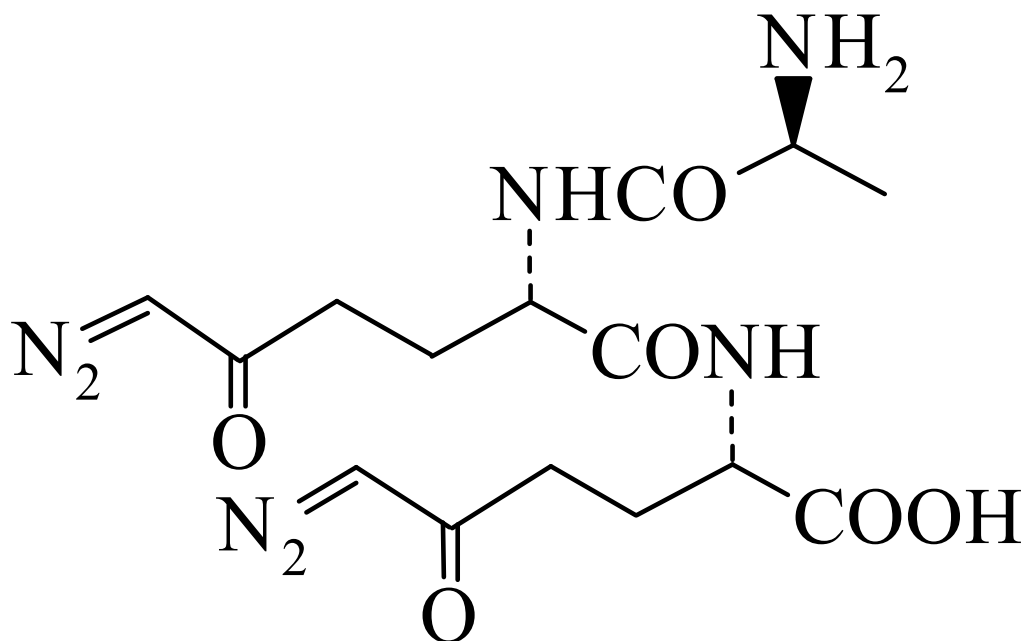




>>Entry Name: Alazopeptin, 9CI

Synonym(s): Ambomycin. Arazopeptin. Diazamycin C. Duazomycin C. BA 8509C. NSC 10270. Antibiotic BA 8509C



CAS Registry Number: 1397-84-8

Related CAS Registry Numbers(s): 53469-11-7

Molecular Formula: C₁₅H₂₁N₇O₆

Molecular Weight: 395.374

Accurate Mass: 395.155333

Percentage Composition: C 45.57%; H 5.35%; N 24.80%; O 24.28%

Biological Source: Isol. from *Streptomyces griseoplanus* and *Streptomyces candidus* var. *azaticus*

Use/Importance: Active against *Corynebacterium* spp., *Salmonella* spp. and tumours

Physical Description: Cryst. + 1H₂O (Me₂CO aq.)

Optical Rotation: $[\alpha]_D^{25} +9.5$ (c, 4.7 in H₂O)

Other Data: Acid hydrol. affords Alanine and two mol of 6-Diazo-5-oxo-L-norleucine

References:

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Patterson, E.L. *et al.*, *Antimicrob. Agents Chemother.*, 1965, 115, (struct)

Lukenback, E.R. *et al.*, *Diss. Abstr. Int., B*, 1972, **32**, 3693, (synth, biosynth)

Japan. Pat., 1974, 74 50 193; *CA*, **81**, 150308, (isol)

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