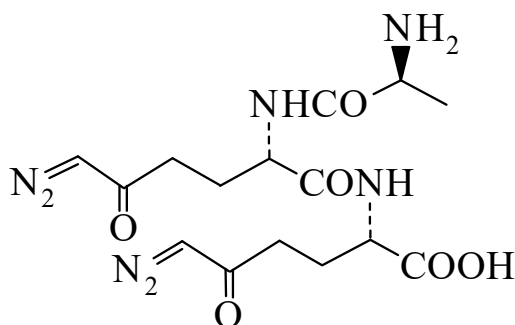




>>Entry Name: Alazopeptin, 9Cl

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%

General Statement: Oligopeptide antibiotic. Tentative struct. shown

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:

de Voe, S.E. *et al.*, *Antibiot. Annu.*, 1956, 730, (*isol, ir, uv*)

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*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AFI625