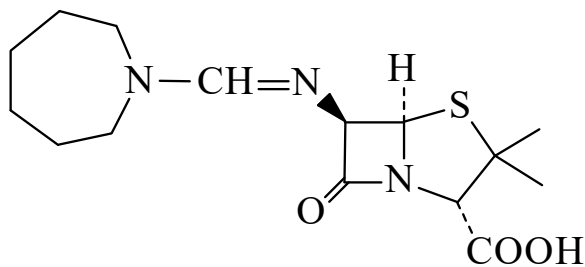




>>Entry Name: **Mecillinam**, BAN, INN

Synonym(s): **Amdinocillin**, USAN. Amidinopenicillin HX. Coactin. Hexacillin. Hexapen. Penicillin H_x. FL 1060Ro 10-9070. Ro 10-9070



CAS Registry Number: 32887-01-7

Molecular Formula: C₁₅H₂₃N₃O₃S

Molecular Weight: 325.431

Accurate Mass: 325.146012

Percentage Composition: C 55.36%; H 7.12%; N 12.91%; O 14.75%; S 9.85%

Source/Synthesis: Deriv. of 6-Aminopenicillanic acid, semisynthetic pencillin

Use/Importance: Antibiotic active against gram-negative bacteria

Melting Point: Mp 156°

Optical Rotation: $[\alpha]_D^{20} +285$ (c, 1 in 0.1N HCl)

Solubility: Sol. H₂O

pKa Value: pK_{a1} 3.2; pK_{a2} 8.9

Other Data: Not a true penicillin as the side chain is not acylamino

Sigma: M1513

>>Derivative: Pivaloyloxymethyl ester

>>Derivative: 1-[(Ethoxycarbonyl)oxy]ethyl ester

References:

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