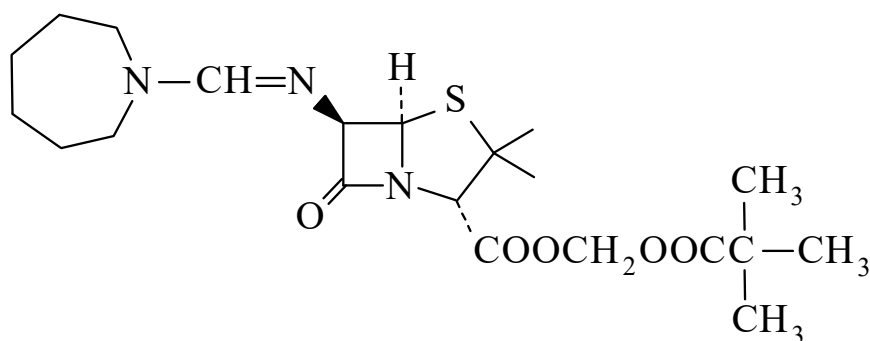




>>Entry Name: Pivmecillinam, BAN, INN

Synonym(s): Amdinocillin pivoxil, USAN. Mecillinam pivaloyloxymethyl ester. Celfuron. Coactabs. Melicin. Melysin. Negaxid. Selecidin. Selexid. FL 1039. Ro 10-9071. Antibiotic FL 1039



CAS Registry Number: 32886-97-8

Molecular Formula: $C_{21}H_{33}N_3O_5S$

Molecular Weight: 439.575

Accurate Mass: 439.214092

Percentage Composition: C 57.38%; H 7.57%; N 9.56%; O 18.20%; S 7.29%

Use/Importance: Ester of Mecillinam [CKW93-V](#) with improved oral absorption

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 118.5-119.5°

Optical Rotation: $[\alpha]_D^{20} +231$ (c, 1 in EtOH)

pKa Value: pK_a 8.9

>>Derivative: Hydrochloride

Synonym(s): Pivmecillinam hydrochloride, JAN

CAS Registry Number: 32887-03-9

Melting Point: Mp 172-173°

Optical Rotation: $[\alpha]_D^{20} +219$ (c, 1 in 0.1N HCl)

Solubility: Sol. H_2O

References:

- Lund, F. *et al.*, *Nature (London), New Biol.*, 1972, **236**, 135, (*synth*)
Weetman, D.F., *Drugs of Today (Barcelona)*, 1978, **14**, 411, (*rev. pharmacol*)
Anderson, J.D. *et al.*, *Chemotherapy*, 1979, **25**, 1, (*metab*)
Damsgaard, T. *et al.*, *J. Antimicrob. Chemother.*, 1979, **5**, 267, (*props*)
Andersen, B.T. *et al.*, *Infection (Munich)*, 1980, **8**, 27, (*pharmacol*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 193
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MCB550