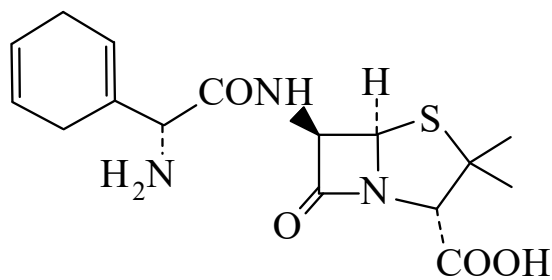




>>Entry Name: **Epicillin**, BAN, INN, USAN

Synonym(s): Dihydroampicillin. Decidal. Dexacillin. Dex-Cillin. Epimicil. Florispec. Omnisan. Praxicillin. Spectacillin. Variplex. SQ 11302. Antibiotic SQ 11302



CAS Registry Number: 26774-90-3

Type of Compound Code(s): XA1200 XA1150

Molecular Formula: C₁₆H₂₁N₃O₄S

Molecular Weight: 351.426

Accurate Mass: 351.125277

Percentage Composition: C 54.68%; H 6.02%; N 11.96%; O 18.21%; S 9.12%

General Statement: Semisynthetic penicillin

Use/Importance: Active against gram-positive and -negative bacteria

Physical Description: Hemihydrate

Melting Point: Mp 202 dec.°

Calculated Log P Data: Log P -1.36 (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 3870 mg/kg

Sigma: E6380

References:

Dolfini, J.E. *et al.*, *J. Med. Chem.*, 1971, **14**, 117, (*synth*)

Mueller, M.D. *et al.*, *Anal. Chim. Acta*, 1978, **100**, 263, (*ms*)

Hendrickx, S. *et al.*, *J. Chromatogr.*, 1984, **291**, 211

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