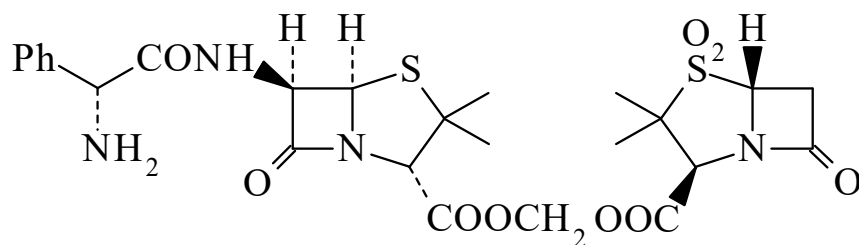




>>Entry Name: Sultamicillin, BAN, INN, USAN

Synonym(s): Alfamid. Antibiotic CP 49952. Bacimex. Bethacil. Dicapen. Duocid. Dynapen. Unacid. Unacide. Unacim. Unasyn. CP 49952. VD 1827



CAS Registry Number: 76497-13-7

Related CAS Registry Numbers(s): 83105-70-8

Molecular Formula: $C_{25}H_{30}N_4O_9S_2$

Molecular Weight: 594.665

Accurate Mass: 594.145421

Percentage Composition: C 50.49%; H 5.08%; N 9.42%; O 24.21%; S 10.78%

Biological Use/Importance: Prodrug of Ampicillin [CKN65-V](#) and Penicillanic acid [DLL06-M](#)

Calculated Log P Data: Log P 1.72 (uncertain value) (calc)

References:

- Ger. Pat.*, 1980, 3 020 695; *CA*, **95**, 7269, (*synth*)
Hartley, S. et al., J. Antimicrob. Chemother., 1982, **10**, 49, (*props*)
U.S. Pat., 1982, 4 321 196; *CA*, **97**, 38757, (*synth*)
U.S. Pat., 1982, 4 342 772; *CA*, **98**, 107064, (*synth, props*)
Nakayama, I. et al., Chemotherapy (Tokyo), Suppl. 2, 1985, **33**, (*props*)
Friedel, H.A. et al., Drugs, 1989, **37**, 491, (*rev*)
Thesen, R., Pharm. Ztg., 1992, **137**, 32; 34; 36, (*rev*)
Martindale, The Extra Pharmacopoeia, 32nd edn., Pharmaceutical Press, 1999, 257