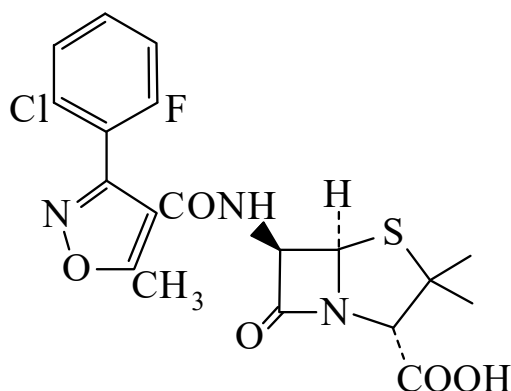




>>Entry Name: Flucloxacillin, BAN, INN

Synonym(s): Floxacillin, USAN. Floxapen. BRL 2039. Antibiotic BRL 2039. Flupen. Penplus. Many other names



CAS Registry Number: 5250-39-5

Related CAS Registry Numbers(s): 34214-51-2

Molecular Formula: C₁₉H₁₇ClFN₃O₅S

Molecular Weight: 453.877

Accurate Mass: 453.056147

Percentage Composition: C 50.28%; H 3.78%; Cl 7.81%; F 4.19%; N 9.26%; O 17.63%; S 7.06%

General Statement: Semisynthetic penicillin

Use/Importance: β -Lactamase inhibitor. Orally absorbed, resistant to staphylococcal β -lactamase

Calculated Log P Data: Log P 3.22 (calc)

Sigma: F1516

>>Derivative: Na salt

Synonym(s): Flucloxacillin sodium. Sodium flucloxacillin, JAN

CAS Registry Number: 1847-24-1

>>Derivative: Mg salt (2:1)

Synonym(s): Flucloxacillin magnesium, BAN, INN. Floxacillin magnesium, USAN

CAS Registry Number: 58486-36-5

References:

U.K. Pat., 1964, 978 299; CA, **62**, 10441, (synth)

Sutherland, R. et al., Br. Med. J., 1970, 460, (pharmacol)

Bergeron, M.G. et al., Am. J. Med. Sci., 1976, **271**, 13, (activity, pharmacol)

Murai, V. et al., Chem. Pharm. Bull., 1985, **33**, 385, (ms)

Negwer, M., Organic-Chemical Drugs and their Synonyms, 6th edn., Akademie-Verlag, 1987, 5129

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 166; 167

Lewis, R.J., Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, CHJ000; FDA100