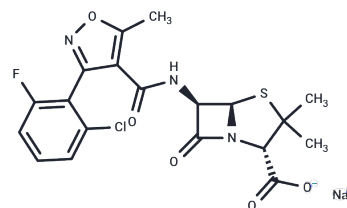


Flucloxacillin sodium

Chemical Properties

CAS No. :	1847-24-1
Formula:	C ₁₉ H ₁₆ ClFN ₃ NaO ₅ S
Molecular Weight:	475.85
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Flucloxacillin sodium (floxacillin sodium) is a highly active antibiotic against Gram-negative and Gram-positive bacteria.
Targets(IC50)	Antibacterial,Antibiotic
In vitro	The serum elimination half-life of flucloxacillin is 1.31-1.39 hours, and six hours after administration of a single 250 mg dose the serum concentration of flucloxacillin is 0.46 micrograms/mL. Oral flucloxacillin does not affect sweat electrolytes and is not a contraindication to sweat testing. Flucloxacillin has been reported to be metabolized in man to the penicilloic acid, the antibacterially active 5'-hydroxymethyl derivative and the penicilloic acid of the 5'-hydroxymethyl derivative. The metabolism of flucloxacillin in the rat is similar.

Solubility Information

Solubility	H ₂ O: 199.6 mM, DMSO: 55 mg/mL (115.58 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1015 mL	10.5075 mL	21.015 mL
5 mM	0.4203 mL	2.1015 mL	4.203 mL
10 mM	0.2102 mL	1.0508 mL	2.1015 mL
50 mM	0.042 mL	0.2102 mL	0.4203 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Williams J, et al. Sweat tests and flucloxacillin. Arch Dis Child. 1988 Jul;63(7):847-8.

Everett JR, et al. ¹⁹F NMR spectroscopy study of the metabolites of flucloxacillin in rat urine. J Pharm Pharmacol.

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