Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Cloxacillin (sodium monohydrate)

Catalog No: tcsc2580

Available Sizes

Size: 100mg

Size: 500mg

Specifications

CAS No:
7081-44-9

Formula:
$C_{19}H_{19}ClN_3NaO_6S$

Pathway:
Anti-infection

Target:
Bacterial

Purity / Grade:
>98%

Solubility:
DMSO : 100 mg/mL (210.14 mM; Need ultrasonic)

Observed Molecular Weight:
475.88

Product Description

Cloxacillin sodium monohydrate is a semi-synthetic antibiotic that is a chlorinated derivative of oxacillin.

Target: Antibacterial

Cloxacillin sodium (Cloxacap) is a sodium salt of cloxacillin that is a penicillinase-resistant, acid resistant, semi-synthetic penicillin. Cloxacillin sodium exerts a bactericidal action against susceptible microorganisms during the stage of active multiplication.

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Cloxacillin sodium acts through the inhibition of biosynthesis of cell wall mucopeptides. Cloxacillin sodium is readily absorbed following i.m. administration and rapidly reaches therapeutically effective blood levels. Serum levels are approximately proportional to dosage. Peak plasma concentrations of 15 ug/ml have been observed 30 minutes after an i.m. injection of cloxacillin (Cloxapen, Cloxacap and Orbenin) 500 mg; plasma concentrations may be doubled by administration of a doubled dose. At the end of a 3-hour i.v. infusion of cloxacillin (Cloxapen, Cloxacap and Orbenin) 250 mg given to normal subjects, its plasma concentrations were 15 ug/ml. After 2 hours, plasma concentrations were 0.6 ug/ml [1].