

Oxacillin (sodium monohydrate)

Catalog No: tcsc2579



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

7240-38-2

Formula:

$C_{19}H_{20}N_3NaO_6S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 100 mg/mL (226.54 mM)

Alternative Names:

Sodium oxacillin monohydrate

Observed Molecular Weight:

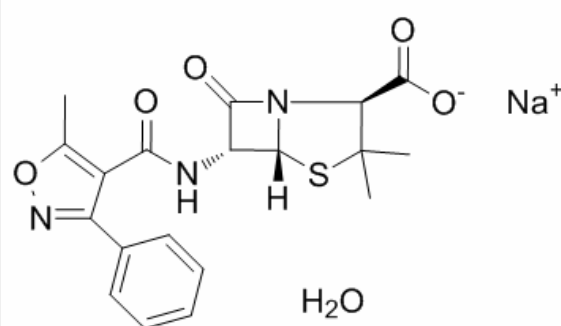
441.43

Product Description

Oxacillin sodium monohydrate is an antibiotic similar to flucloxacillin used in resistant staphylococci infections.

Target: Antibacterial

Oxacillin is a penicillinase-resistant β -lactam. It is similar to methicillin, and has replaced methicillin in clinical use. Another related compound is nafcillin. Since it is resistant to penicillinase enzymes, such as that produced by *Staphylococcus aureus*, it is widely used clinically in the US to treat penicillin-resistant *Staphylococcus aureus*. However, with the introduction and widespread use of both oxacillin and methicillin, antibiotic-resistant strains called oxacillin-resistant *Staphylococcus aureus* (MRSA/ORSA) have become increasingly prevalent worldwide. MRSA/ORSA is treated using vancomycin. From Wikipedia.



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