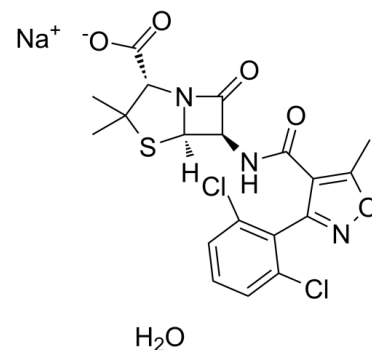


Data Sheet

Product Name:	Dicloxacillin (Sodium hydrate)
Cat. No.:	CS-4467
CAS No.:	13412-64-1
Molecular Formula:	C ₁₉ H ₁₈ Cl ₂ N ₃ NaO ₆ S
Molecular Weight:	510.32
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	H ₂ O : 25 mg/mL (48.99 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Dicloxacillin Sodium hydrate (Dicloxacillin sodium salt monohydrate) is a narrow-spectrum β -Lactam antibiotic of the penicillin class, is used to treat infections caused by susceptible Gram-positive bacteria, active against beta-lactamase-producing organisms such as *Staphylococcus aureus*.

References:

- [1]. Jusko WJ, et al. Enhanced renal excretion of dicloxacillin in patients with cystic fibrosis. *Pediatrics*. 1975 Dec;56(6):1038-44.
- [2]. Miranda-Novales G, et al. In vitro activity effects of combinations of cephalothin, dicloxacillin, imipenem, vancomycin and amikacin against methicillin-resistant *Staphylococcus* spp. strains. *Ann Clin Microbiol Antimicrob*. 2006 Oct 12;5:25.

CAIndexNames:

4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[3-(2,6-dichlorophenyl)-5-methyl-4-isoxazolyl]carbonyl]amino]-3,3-dimethyl-7-oxo-, sodium salt, hydrate (1:1:1), (2S,5R,6R)-

SMILES:

[O-]C([C@@H](C(C)C)S[C@]1([H])[C@@H]2NC(C3=C(C)ON=C3C4=C(Cl)C=CC=C4Cl)=O)N1C2=O)=O.[Na+].O

Caution: Product has not been fully validated for medical applications. For research use only.

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