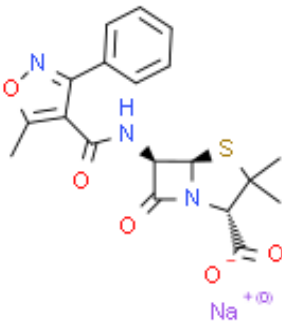


Product Data Sheet

Cas No.:	1173-88-2	Cat. No:	PL12195
Product Name:	Oxacillin sodium salt		
Product synonym:	苯唑青霉素钠;苯唑西林钠;苯唑青霉素钠 GMP;2-甲氧基苯基乙酸甲酯;苯唑西林;氯唑西林钠;(2S,5R,6R)-3,3-二甲基-6-[(5-甲基-3-苯基-1,2-恶唑-4-甲酰)氨基]-7-氧代-4-硫杂-1-氮杂双环[3.2.0]庚烷-2-羧酸钠盐;苯唑青霉素;新青霉素 II		
Chemical name:	Oxacillin sodium salt		
MF:	C19H18N3NAO5S	FW:	423.4181
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	S1C(C([H])([H])([H])(C([H])([H])([H])[C@]([H])(C(=O)O[H])N2C([C@]([H])([C@@]12[H])N=C/C1=C(C([H])([H])([H])ON=C1C1C([H])=C([H])C([H])=C([H])C=1[H])\[O-])=O.[Na+]		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Oxacillin sodium salt 是一种具有口服活性的合成青霉素，对葡萄球菌和其他革兰氏阳性病原体具有良好的杀菌 (bactericidal) 活性。

生物活性	Oxacillin sodium salt is an orally active synthetic penicillin with good bactericidal activity against staphylococci and other gram-positive pathogens.
IC50 & Target[1][2]	β-lactam
体外研究(In Vitro)	Oxacillin inhibits gram positive pathogens with MICs of 0.05, 0.09, 0.32 and 0.80 µg/mL against group A streptococci, Pneutnococci, susceptible staphylococci and penicillin-resistant staphylococci, respectively. The Oxacillin-resistant strains are highly resistant to other penicillins. has not independently confirmed the accuracy of these methods. They are for reference only.
体内研究(In Vivo)	Oxacillin (50-800 mg/kg; s.c.; once) shows curative dose (CD 50) of 253.3 mg/kg in mice infected with Staphylococcus aureus Evans. The oral CD 50 of Oxacillin is 187.2 mg/kg. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model:

包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)
溶解度数据	In Vitro: DMSO : 125 mg/mL (295.22 mM; Need ultrasonic)配制储备液