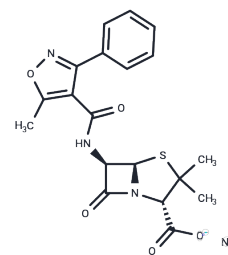


## Oxacillin sodium salt

### Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 1173-88-2  |
| Formula:          | C <sub>19</sub> H <sub>18</sub> N <sub>3</sub> NaO <sub>5</sub> S  |
| Molecular Weight: | 423.43   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |



### Biological Description

|               |   |
|---------------|---|
| Description   | Oxacillin sodium salt (Oxabel) is an antibiotic similar to FLUCLOXACILLIN used in resistant staphylococci infections. |
| Targets(IC50) | Antibacterial, Antibiotic   |

### Solubility Information

|                     |  |
|---------------------|--|
| Solubility          | DMSO: 128 mg/mL (302.29 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (11.81 mM), Sonication is recommended.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3617 mL | 11.8083 mL | 23.6167 mL |
| 5 mM  | 0.4723 mL | 2.3617 mL  | 4.7233 mL  |
| 10 mM | 0.2362 mL | 1.1808 mL  | 2.3617 mL  |
| 50 mM | 0.0472 mL | 0.2362 mL  | 0.4723 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Woods GL, Yam P. Antimicrob Agents ChemOthers. 1988 Nov;32(11):1614-8.

Grosso R, Nguyen V, Ahmed S K, et al. Novel Epigallocatechin Gallate (EGCG) Analogs with Improved Biochemical Properties for Targeting Extracellular and Intracellular Staphylococcus aureus. Applied Microbiology. 2024, 4(4): 1568-1581.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481