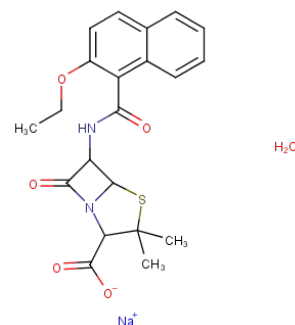


Catalog Number: CM02852

产品信息

Catalog Number:
CM02852CAS号:
7177-50-6分子式:
 $C_{21}H_{21}N_2O_5SNa \cdot H_2O$ 主要靶点:
Antibacterial|Antibiotic主要通路:
微生物学分子量:
454.47溶解度:
DMSO:84 mg/mL (184.8
mM), H₂O:83 mg/mL (182.6
mM), Ethanol:16 mg/mL (35.2 mM)

靶点活性

 β -lactamase:33 mM(Kd)

体内活性

通过Ser-70与 β -内酰胺酶形成共价的酰基酶中间体,Nafcillin sodium可使 β -内酰胺酶灭活。Nafcillin (>80 mM,<200s) 完全抑制 β -内酰胺酶活性。去除Nafcillin后,受抑制的酶可重新被完全激活,速率常数为 $2 \times 10^{-3}/s$ (25 °C)。

描述

Nafcillin sodium monohydrate (CL 8491) is the sodium salt form of nafcillin, a semi-synthetic naphthalene, penicillin-related. Nafcillin inhibits bacterial wall synthesis by a mechanism of action similar to penicillin. Penicillinase-resistant Nafcillin is used to treat infections caused by penicillin-resistant strains of Staphylococci.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year