

Product Name : Carbenicillin disodium

Synonyms : —

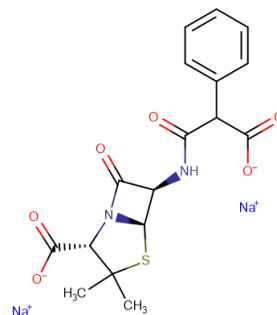
Cat No. : M14599

CAS Number : 4800-94-6

Molecular Formula : C₁₇H₁₆N₂Na₂O₆S

Formula Weight : 422.36

Chemical Name : —



Description : Carbenicillin inhibits the cell-wall synthesis (peptidoglycan cross-linking) by inactivating transpeptidase on the inner surface of the bacterial cell membrane. Carbenicillin is a white to slightly yellow, hygroscopic powder soluble in water and in alcohol. Carbenicillin is most effective against gram-negative bacteria but may also have some effect against gram-positive bacteria.

Pathway : Immunology/Inflammation

Target : Cell wall

Receptor : cell wall

Solubility : Water: 84 mg/mL (198.88 mM); DMSO: 5 mg/mL (11.83 mM)

SMILES : CC1([C@@H](N2[C@H](S1)[C@@H](C2=O)NC(=O)C(C3=CC=CC=C3)C(=O)[O-])C(=O)[O-])C.[Na+].[Na+]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Sama KS, et al. Journal of Experimental Botany, 1995, 46(11), 1779-178