



Cefazolin Sodium Salt

Preventing bacterial cell wall polymerization by binding to Penicillin-Binding Proteins

Strong antibiotic from the cephalosporin class, cefazolin Sodium Salt Powder, works well against a variety of bacterial infections, especially those caused by Gram-positive strains. It functions by inhibiting the synthesis of bacterial cell walls, which causes the bacteria to die.

Transitioning to its properties, Cefazolin Sodium Salt Powder is appropriate for various pharmaceutical formulations since it is stable in both basic and acidic environments. Its stability guarantees that it works whether administered intravenously or orally.

Because of its low toxicity and few side effects, Cefazolin Sodium Salt Powder is also suggested in therapeutic settings. Because of its effectiveness and safety, healthcare facilities have embraced it worldwide. This antibiotic serves as a selection agent in microbial culture media, which is why it is utilized in research labs. It facilitates the identification of certain bacteria by inhibiting the development of Gram-positive bacteria while fostering the growth of Gram-negative strains.

Cat. Number	AS-2026
CAS Number	27164-46-1
Additional CAS	25953-19-9 (acid)
MDL Number	MFCD00056883
Pubchem	310269464
Molecular Weight	476.49 g/mol
Molecular Formula	$C_{14}H_{13}N_8NaO_4S_3$
Storage Temperature	4°C
Form and Color	Powder to Crystal / White to off-white to yellow
Purity (HPLC)	≥ 98%
Melting Point	170 – 177 °C
Water	≤ 6%
Synonym	Atirin / Azolin