



Cefazolin Sodium Salt

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

Cefazolin is a member of cephalosporin class of antibiotics. It has a high affinity to bacterial cell wall. It prevents cross-linking between peptidoglycan layers by binding to penicillin-binding proteins. Cefazolin inhibits the II-2 receptor activation, so used for treating infectious like sepsis & pneumonia.

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