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Cefoperazone Sodium

National Cancer Institute

Source

National Cancer Institute. *Cefoperazone Sodium*. NCI Thesaurus. Code C47435.

The sodium salt form of cefoperazone and a semi-synthetic, broad-spectrum, beta-lactamase resistant, third-generation cephalosporin antibiotic with bactericidal activity. Cefoperazone sodium inhibits bacterial cell wall synthesis by inactivating penicillin binding proteins (PBPs) thereby interfering with the final transpeptidation step required for cross-linking of peptidoglycan units which are a component of bacterial cell walls. This results in a reduction of cell wall stability and causes cell lysis.