



## Cefotaxime Sodium Salt

A cephalosporine, broad-spectrum antibiotic effective against gram-positive and gram-negative bacteria.

Cefotaxime Sodium Salt Powder, a broad-spectrum cephalosporin antibiotic, is a potent antibiotic against resistant strains of bacteria. It is effective against methicillin and Tetracycline resisting bacteria.

The antibiotics mechanism of action involves binding to an 50S ribosomal subunits. By aiming at this key component, Cefotaxime Sodium Salt Powders effectively inhibits the bacterial growth.

In addition, the antibiotic has a low toxicity prototype and minimal side effects, which enhance its appeal in clinical usages. Healthcare Professionals rely on Cefotaxime Sodium Salt Powder for its safety and effectivity.

This antibiotic has other uses in research labs, where it is used as a selective agent in microbial cultural media. Its ability to inhibit bacterial grow. Particularly with resisting strains, help researchers in identifying and studying specific bacterial strains.

Cat. Number	AS-2006
CAS Number	64485-93-4
Additional CAS	63527-52-6
MDL Number	MFCD00079073
Pubchem	310269492
Molecular Weight	478.46 g/mol
Molecular Formula	C <sub>16</sub> H <sub>17</sub> N <sub>5</sub> O <sub>7</sub> S <sub>2</sub> .Na
Storage Temperature	4°C
Form and Color	Powder to crystalline powder, white to light yellow
Solubility (10% in water)	Clear
pH (10% in water)	4.5 – 6.5
Loss on Drying	Max. 3%
<sup>1</sup> H-NMR Spectrum	Correspond to assigned structure.
Total impurities (HPLC)	Max. 3%