



## Ceftriaxone Disodium Salt Hemi heptahydrate

A third-generation cephalosporin antibiotic active against gram-negative bacteria.

Disodium ceftriaxone salt Hemi heptahydrate is a potent antibiotic of the third-generation cephalosporin class. Because it shows broad-spectrum activity against a variety of bacterial strains, it is commonly used in microbiology. Both Gram-positive and Gram-negative bacteria are included in this.

Peptidoglycan is an essential part of the bacterial cell wall, and ceftriaxone prevents it from being synthesized. Ceftriaxone weakens the bacterial cell wall by preventing the synthesis of peptidoglycan, which results in cell death. Ceftriaxone is therefore a useful instrument for studies and research related to antibacterial agents.

Cat. Number	AS-2007
CAS Number	104376-79-6
Additional CAS	73384-59-5
Additional CAS	74578-69-1
MDL Number	MFCD01750405
PubChem	310269522
Molecular Weight	661.60 g/mol
Molecular Formula	$C_{18}H_{16}N_8Na_2O_7S_3 \cdot 3.5H_2O$
Storage Temperature	4°C
Form and Color	Crystalline powder, white to pale yellow
Purity (HPLC)	Min. 84%
Identity (IR)	Corresponds to structure.
Water content	8 – 11 %