

Product Name : Spectinomycin dihydrochloride pentahydrate

Synonyms : Spectinomycin hydrochloride hydrate

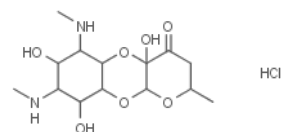
Cat No. : M18253

CAS Number : 22189-32-8

Molecular Formula : C₁₄H₂₄N₂O₇·2HCl·5H₂O

Formula Weight : 495.35

Chemical Name : —



Description : Spectinomycin dihydrochloride pentahydrate is an antibiotic produced by *Streptomyces spectabilis*. It is active against gram-negative bacteria and used for the treatment of gonorrhea.

Pathway : Endocrinology/Hormones

Target : Opioid Receptor

Receptor : 30S ribosome

Solubility : H₂O : ≥ 6.6 mg/mL; 13.32 mM

SMILES : O.O.O.O.O.Cl.Cl.CN[C@@H]1[C@H](O)[C@H](NC)[C@H]2O[C@]3(O)[C@H](O[C@H](C)CC3=O)O[C@@H]2[C@H]1O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Gordeev VK, et al. Genetika. 1983, 19(2):217-20.