

Neoprox

Cefpodoxime Proxetil

Description

Cefpodoxime Proxetil is an orally administered extended spectrum, semi-synthetic 3rd generation antibiotic of cephalosporin class. Like other β -lactam antibiotics it is a bactericidal drug that acts by inhibition of bacterial cell wall synthesis.

Composition

Neoprox Powder for Suspension : After reconstitution each 5 ml suspension contains Cefpodoxime Proxetil USP equivalent to Cefpodoxime 40 mg.

Neoprox DS Powder for Suspension : After reconstitution each 5 ml suspension contains Cefpodoxime Proxetil USP equivalent to Cefpodoxime 80 mg.

Neoprox Pediatric Drops : After reconstitution each ml contains Cefpodoxime
 Proxetil USP equivalent to Cefpodoxime 20 mg.

Indication

Neoprox (Cefpodoxime Proxetil) is indicated for the treatment of patients infected with susceptible strains of microorganisms, which include a wide range of gram-positive & gram-negative bacteria. As it is highly stable in presence of β -lactamase enzyme, it is more effective against gram-positive bacteria than other 3rd generation oral Cephalosporins.

Neoprox (Cefpodoxime Proxetil) is indicated in the following diseases: -

1. Lower respiratory tract infections: Acute community-acquired pneumonia, acute bacterial exacerbation of chronic bronchitis.
2. Upper respiratory tract infections: Acute otitis media, acute maxillary sinusitis, pharyngitis, tonsillitis.
3. Sexually transmitted diseases: Acute uncomplicated urethral & cervical gonorrhoea, acute ano-rectal infection in woman caused by *N. gonorrhoea*.
4. Uncomplicated urinary tract infections: Cystitis, pyuria.
5. Skin & soft tissue infections: Furuncle, cellulitis, subcutaneous abscess, Infectious atheroma & periproctal abscess.

Dosage and administration

Children:

15 days - 6 months: 4 mg/kg every 12 hours
6 months - 2 years : 40 mg every 12 hours
3 - 8 years : 80 mg every 12 hours
Over 9 years : 100 mg every 12 hours

Patients with liver cirrhosis: Cefpodoxime proxetil's pharmacokinetics in cirrhotic patients is similar to those in healthy subjects. Dose adjustment is not necessary in this population.

Side Effect

Cefpodoxime has very few side effects. The side effects include diarrhoea, nausea, skin & vaginal fungal infection, abdominal pain, headache, chest pain, myalgia, dyspepsia, dizziness, vertigo, cough etc. In children, incidence of fungal skin rash is more than adults.

Precaution

In patients with transient or persistent reduction in urinary output due to renal insufficiency, the total daily dose of cefpodoxime proxetil should be reduced. As with other broad-spectrum antibiotics, prolonged use of cefpodoxime proxetil may result in overgrowth of non-susceptible organisms. Repeated evaluation of the patient's condition is essential.

Contraindication

Cefpodoxime proxetil is contraindicated in patients with a known allergy to Cefpodoxime or to the cephalosporin group of antibiotics.

Pregnancy and lactation

Cefpodoxime was neither teratogenic nor embryocidal in animal trial. There is, however, no adequate and well-controlled study of cefpodoxime proxetil in pregnant woman. The drug should be used during pregnancy only if clearly needed.

Drug interaction

Antacids: Concomitant administrations of high doses of antacids (sodium bicarbonate and aluminum hydroxide) or H₂-blockers reduces plasma level by 24% to 42% and the extent of absorption by 27% to 32% respectively.

Probenecid: Renal excretion of Cefpodoxime was inhibited by probenecid and resulted in an approximately 31% increase in AUC.

Nephrotoxic drugs: Close monitoring of renal function advised when Cefpodoxime proxetil is administered concomitantly with compounds of known nephrotoxic potential.

Overdosage

Overdosage may cause toxic reaction. Toxic symptoms include nausea, vomiting, epigastric distress and diarrhea.

Direction for preparation

For Neoprox Powder for Suspension : Shake the bottle to loosen the powder. Add 35 ml (7 measuring spoonfuls) of boiled cool water to the dry powder in the bottle.

For Neoprox DS Powder for Suspension : Shake the bottle to loosen the powder. Add 25 ml (5 measuring spoonfuls) of boiled cool water to the dry powder in the bottle.

For Neoprox Pediatric Drops : Shake the bottle to loosen the powder. Add 10 ml (2 measuring spoonfuls) of boiled cool water to the dry powder in the bottle.

For ease of preparation, add water to the bottle in two portions. Shake well after each addition until all the powder is in suspension. Prepared suspension is to be consumed within 14 days.

Packaging

Neoprox Powder for Suspension : Each bottle contains Cefpodoxime proxetil powder to be reconstituted into 50 ml suspension.

Neoprox DS Powder for Suspension : Each bottle contains Cefpodoxime proxetil powder to be reconstituted into 50 ml suspension.

Neoprox Pediatric Drops : Each bottle contains Cefpodoxime proxetil powder to be reconstituted into 15 ml drops.



Manufactured by
SOMATEC PHARMACEUTICALS LTD.
Sarulia, Demra, Dhaka, Bangladesh