

Clickstin DS dry syrup

Colistin Sulphate (25mg) Dry Syrup

Composition

Each vial contains:

- Colistin Sulphate – 25mg
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Indications

Colistin Sulphate Dry Syrup is indicated for the treatment of infections caused by multi-drug resistant gram-negative bacteria, including:

- **Respiratory Tract Infections:** Such as pneumonia, bronchitis, and other lower respiratory tract infections caused by *Pseudomonas aeruginosa*, *Acinetobacter baumannii*, and other resistant pathogens.
 - **Urinary Tract Infections:** Infections caused by resistant organisms, particularly those affecting the kidneys and bladder.
 - **Gastrointestinal Infections:** Colistin is used for infections caused by resistant bacteria in the gastrointestinal tract.
 - **Bloodstream Infections (Sepsis):** Caused by resistant gram-negative bacteria.
 - **Cystic Fibrosis:** For chronic lung infections due to multi-drug resistant organisms in cystic fibrosis patients.
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Mechanism of Action

Colistin Sulphate is a polymyxin antibiotic. It works by binding to the outer membrane of gram-negative bacteria, disrupting their membrane integrity and causing leakage of essential cellular components, leading to bacterial cell death. It is mainly effective against multi-drug resistant gram-negative pathogens, including *Pseudomonas aeruginosa* and *Acinetobacter baumannii*.

Dosage and Administration

Dosage for Adults and Children:

- **Adult Dosage:**
The typical starting dose for adults is 2.5mg/kg body weight/day, divided into two to four doses. For severe infections, the dose may be increased as advised by a healthcare provider. The duration of therapy is usually 7 to 14 days, depending on the severity of the infection.
 - **Pediatric Dosage:**
For children aged 2 years and above, the recommended dose is typically 2.5mg/kg body weight/day, divided into two to four doses. For infants and children under 2 years, consult the prescribing doctor for appropriate dosing based on their weight and condition.
 - **Preparation of Syrup:**
To prepare the syrup, dissolve the contents of the vial in water as per the instructions provided by the manufacturer. Shake well until the syrup is uniform in appearance. The final concentration is typically 25mg/5ml.
 - **Administration:**
The syrup should be administered orally, and it can be taken with or without food. Ensure the full prescribed dose is taken for the entire course of treatment, even if symptoms improve before completion.
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Contraindications

- **Hypersensitivity:** Contraindicated in patients with a known allergy or hypersensitivity to Colistin Sulphate or any of its components.
- **Renal Impairment:** Use with caution in patients with impaired renal function as Colistin is primarily excreted by the kidneys. Dose adjustments may be required in such patients.
- **Pregnancy and Breastfeeding:** Colistin should be used during pregnancy and breastfeeding only if the potential benefits outweigh the risks. Consult a healthcare provider before use.

Warnings and Precautions

- **Nephrotoxicity:** Colistin can cause kidney damage (nephrotoxicity), especially at higher doses or prolonged use. Kidney function should be monitored during treatment.
- **Neurotoxicity:** Neurological side effects such as dizziness, numbness, or tingling may occur, particularly at high doses. If these symptoms occur, discontinue the medication and consult a doctor.
- **Superinfection:** Prolonged use may lead to overgrowth of non-susceptible organisms, including fungi, resulting in superinfections.
- **Use in Children:** Careful monitoring is essential when using Colistin Sulphate in pediatric patients, especially infants.

Side Effects

Common side effects include:

- **Kidney-related effects:** Elevated blood creatinine levels, which may indicate kidney damage.
- **Neurological effects:** Tingling, numbness, dizziness, confusion, or in rare cases, seizures.
- **Gastrointestinal issues:** Nausea, vomiting, diarrhea, abdominal pain.
- **Allergic reactions:** Rash, itching, and in rare cases, anaphylaxis.

Drug Interactions

- **Nephrotoxic Drugs:** Co-administration with other nephrotoxic agents (e.g., aminoglycosides, vancomycin, NSAIDs) can increase the risk of kidney damage.
- **Neuromuscular Blockers:** Colistin can enhance the effects of neuromuscular blocking agents, which can lead to respiratory complications.

Storage Instructions

- Store the dry powder in a cool, dry place, away from light, at room temperature (15°C to 25°C).
- After preparation, store the syrup in the refrigerator (2°C to 8°C) and use within the specified time frame (usually 7-14 days depending on the manufacturer's instructions).
- Keep out of reach of children.

Important Notice

Colistin Sulphate is a potent antibiotic and should only be used under the supervision of a healthcare provider. It is important to complete the full course of treatment, even if symptoms improve, to prevent antibiotic resistance and ensure the infection is fully treated.

Consult your healthcare provider before starting this medication to ensure it is suitable for your condition.

Manufactured in India for:

CafoliTM
L I F E C A R E

Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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