OLEANDOMYCIN PHOSPHATE

<table>
<thead>
<tr>
<th>Molecular formula:</th>
<th>( C_{35}H_{81}N_{1}O_{12} \cdot H_3PO_4 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular weight:</td>
<td>785.86</td>
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<tr>
<td>CAS registry No:</td>
<td>7060-74-4</td>
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<tr>
<td>Presentation:</td>
<td>Powder</td>
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<tr>
<td>Category:</td>
<td>Macrolide antibiotic</td>
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<tr>
<td>Application:</td>
<td>For human use only</td>
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<tr>
<td>Quality:</td>
<td>Company requirements</td>
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</tbody>
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**CONTENT**

\( \mu g/mg \)

Not less than 775 mg/mg.

**PHARMACOLOGICAL ACTION**

As a representative of macrolide antibiotics, Oleandomycin has antimicrobial activity mainly against Gram-positive bacteria, such as: *Staphylococcus*, *Streptococcus*, *Pneumococcus*, *Corynebacterium diphtheriae*, *B. anthracis*, *B. tetani*. It exhibits activity against *N. meningitidis*, *N. gonorrhoeae*, some strains of *Brucella*, *Bordetella sp.*, *Legionella sp.*, *Rickettsia* and *Spirochetes*.

The activity of Oleandomycin against *Staphylococcus aureus*, *Streptococcus pyogenes*, *Diplococcus pneumoniae* - resistant to *Penicillin*, *Erythromycin*, *Tetracycline* makes Oleandomycin an alternative for treatment of patients with hypersensitivity to *Penicillin*.

Combined administration of Oleandomycin with Tetracycline and sulphonamides leads to a potential synergistic effect. The mechanism of bacteriostatic action of Oleandomycin is based on inhibition of bacterial protein synthesis, through binding with 50S subunit of bacterial ribosomes. The antibiotic exhibits activity in the proliferation stage of cell reproduction.

Oleandomycin is acid resistant antibiotic and its absorption in gastrointestinal tract is good. The antibiotic maintains highest tissue concentration in liver, spleen, kidneys and lungs. The antibiotic elimination is through the kidneys, by the urine, but it is also detected in considerable concentration in the bile. A good therapeutic effect is achieved upon treatment of acute and exacerbated cholecystitis and cholangiolytic hepatitis.

Oleandomycin is effective for treatment of infections of upper and lower respiratory tract as: tonsillitis, pharyngitis, otitis, exudative pleuritis, pneumonia, for treatment of scarlatinia and urinary tract infections. It is effective for treatment of wound infections, carbuncles and furuncles.

The antibiotic may be successfully administered for final treatment of severe infections after course of treatment by more effective antibiotics (penicillins, cephalosporins etc.)

Oleandomycin is administered parenterally (intramuscularly and intravenously) in case of more severe course of the infection and impossibility of oral administration.
MOST COMMONLY USED DRUG FORMS
Capsules, powders for solution for injection, water-soluble powder.

RE-TEST PERIOD
Three (3) years from the date of manufacture.

STORAGE
In a dry place, protected from light.

PACKING
15 kg in a fiber drum.