**Category:**[**Veterinary: APIs**](https://gatcolines.com/product-category/veterinary-apis/)

1. **Doxycycline Hyclate**

[**Description**](https://gatcolines.com/product/doxycycline-hyclate/#tab-description)

 Molecular Formula: C46H58Cl2N4O18  
CAS Number: 24390-14-5  
Appearance: Yellow Solid

Doxycycline Hyclate is the hyclate salt form of doxycycline, a synthetic, broad-spectrum tetracycline antibiotic exhibiting antimicrobial activity. It is used to fight bacterial infections in dogs and cats. Doxycycline is used to treat many different bacterial infections including, leptospirosis, toxoplasmosis, mycoplasma, psittacosis, and tick borne diseases including Lyme disease, ehrlichiosis, and Rocky Mountain spotted fever.

**2. Fosfomycin Calcium**

[**Description**](https://gatcolines.com/product/fosfomycin-calcium/#tab-description)

Molecular Formula: C3H5CaO4P  
CAS Number: 26016-99-9  
Appearance: White to Off-White Solid

Fosfomycin is a novel class of antibacterial drugs with a chemical structure unrelated to other known antibiotics. It is a bactericidal drug that disrupts cell wall synthesis by inhibiting phosphoenolpyruvate synthetase and thus interferes with the production of peptidoglycan. Fosfomycin is mainly used in the treatment of UTIs, particularly those caused by E. coli and Enterococcus faecalis, and in combination with other antibiotics in the treatment of nosocomial infections due to resistant Gram-positive and Gram-negative bacteria.  
It is mainly used for infection caused by colibacillosis,salmonellosis,Klebsiella disease,head swollen syndrome,staphylococcus,streptococcicosis of poultry and pig, omphalitis, osteomyelitis ,encephalitis and Pasteurella,vibrio,streptococcus of fish,shrimp and other gram-negative bacteria.

**3**. **Furaltadone Hydrochloride**

[Description](https://gatcolines.com/product/furaltadone-hydrochloride-2/#tab-description)

Molecular Formula: C13H17ClN4O6  
CAS Number: 3759-92-0  
Appearance: Yellow Solid

Furaltadone HCl is an antibacterial and has distinct curative effect in the treatment of coccidiosis.

**4. Nystatin**

[**Description**](https://gatcolines.com/product/nystatin/#tab-description)

Molecular Formula: C47H75NO17  
CAS Number: 400-61-9  
Appearance: A yellow or slightly brownish.

Nystatin is the first well tolerated antifungal agent antibiotic of dependable efficacy for the treatment of cutaneous infections caused by Candida albicans (Monilia). Nystatin is fungistatic in vitro against a variety of yeast and yeast like fungi including many fungi pathogenic to animals. Nystatin is an antifungal medication. It is used to treat Candida infections of the skin including diaper rash, thrush, esophageal candidiasis, and vaginal yeast infections.

**5. Tilmicosin Phosphate**

[**Description**](https://gatcolines.com/product/tilmicosin-phosphate/#tab-description)

 Molecular Formula: C46H83N2O17P  
CAS Number: 137330-13-3  
Appearance: Light yellow powder.

Tilmicosin is a macrolide antibiotic. It is used in veterinary medicine for the treatment of bovine respiratory disease and enzootic pneumonia caused by Mannheimia (Pasteurella) haemolytica in sheep.

6. **Enrofloxacine Lactate**

**DESCRIPTION**

Molecular Formula: C19H22FN3O3  
CAS Number: 93106-60-6  
Appearance: White Crystalline Powder

Enrofloxacin is a synthetic chemotherapeutic agent from the class of the fluoroquinolone carboxylic acid derivatives. It has antibacterial activity against a broad spectrum of Gram-negative and Gram-positive bacteria

7. **Cefalexin**

**Description**

Molecular Formula: C16H17N3O4S  
CAS Number: 15686-71-2  
Appearance: Off-White to Pale Yellow Solid

Cefalexin, also spelled cephalexin, is an antibiotic that can treat a number of bacterial infections. It kills gram-positive and some gram-negative bacteria by disrupting the growth of the bacterial cell wall. Cefalexin is a beta-lactam antibiotic within the class of first-generation cephalosporins. Cephalexin is used to treat infections caused by bacteria, including upper respiratory infections, ear infections, skin infections, and urinary tract infections. It

is also often used to prevent postoperative infections. Injections of arginine salt, heart, kidney ysfunction, this formulation is not easy to cause sodium retention.

8. **Tylosin Tartrate Powder**

[**Description**](https://gatcolines.com/product/tylosin-tartrate-powder/#tab-description)

Molecular Formula: C49H81NO23  
CAS Number: 1405-53-4, 74610-55-2  
Appearance: Almost white or slightly yellow powder

Is used in veterinary medicine to treat bacterial infections in a wide range of species and has a high margin of safety. It has also been used as a growth promotion in some species, and as a treatment for colitis in companion animals. It is also used in chickens, turkeys, swine, and honeybees for the treatment of various conditions and parasitic organisms.

9. **Amoxycillin Trihydrate Powder**

[**Description**](https://gatcolines.com/product/amoxycillin-trihydrate-powder/#tab-description)

Molecular Formula: C16H27N3O9S

CAS Number: 61336-70-7

Appearance: White or almost white crystalline

Amoxicillin Trihydrate Powder is used to treat certain bacterial infections. These include bacterial infections of the ear, nose, or throat, infections of the reproductive organs or urinary system infections such as UTI, and skin or respiratory system infections including pneumonia. Amoxicillin Trihydrate is also used to treat bacterial infections in other parts of the body including in teeth from a dental abscess, in the joints, in the blood or heart, and bacterial infections in the brain or the spinal cord caused by bacterial meningitis. Amoxicillin Trihydrate is also used to treat tick-borne bacterial infections, also called as, Lyme disease. This medicine works by preventing growth of bacteria in the body.

**10. Trimethoprim**

[**Description**](https://gatcolines.com/product/trimethoprim/#tab-description)

Molecular Formula: C14H18N4O3  
CAS Number: 738-70-5  
Appearance: white to off-white

Is an antibiotic used mainly in the treatment of bladder infections. Other uses include for middle ear infections and travelers’ diarrhea.

11. **Furazolidone**

[**Description**](https://gatcolines.com/product/furazolidone/#tab-description)

Molecular Formula: C8H7N3O5  
CAS Number: 67-45-8  
Appearance: Yellow Solid.

Furazolidone is a nitrofuran antibacterial agent and monoamine oxidase inhibitor. This product is a nitrofurans antimicrobials. Of gram positive and negative of all have certain antibacterial function, including salmonella, shigella, escherichia coli, klebsiella pneumoniae, e. coli and s. aureus bacteria, dung enterococcus, s. pyogenes, campylobacter, bacteroides, etc., under certain concentration of trichomonas, jia first giardia is active. It is action mechanism for interfering with REDOX enzyme which blocks the normal metabolism of bacteria. Furazolidones is used to treat bacterial and protozoal infections. It works by killing bacteria and protozoa (tiny, one-celled animals). Some protozoa are parasites that can cause many different kinds of infections in the body. Furazolidones is taken by mouth. It works inside the intestinal tract to treat cholera, colitis, and/or diarrhea caused by bacteria, and giardiasis. Furazolidones is sometimes given with other medicines for bacterial infections. Furazolidones may cause some serious side effects when taken with certain foods, beverages, or other medicines. Check with your health care professional for a list of products that should be avoided.

12. **Tylosin Phosphate Powder**

[Description](https://gatcolines.com/product/tylosin-phosphate-powder/#tab-description)

Molecular Formula: C46H77NO1  
CAS Number: 1405-53-4  
Appearance: White to slightly yellow powder

It’s an antibiotic and a bacteriostatic feed additive used in veterinary medicine.