



## SB-TYLSOL

Tylvalosin 62.5 % Water Soluble

## SB-TYLSOL

Tylvalosin 80% Water Soluble

### SB-TYLSOL (WS)

*Tylvalosin water soluble macrolide  
An Additive to defend from infections*

*"Boost your flocks"  
well-being with SB-Tylsol."*



#### Product Description

SB-Tylsol is a white or off-white or colorless crystalline powder containing Tylvalosin, a naturally fermented macrolide. Tylvalosin, scientifically known as 3-O-acetyl- 4-O-isovaleryl Tylosin, possesses antibacterial and anti-Mycoplasma properties<sup>[1]</sup>. It is derived from the biotransformation of Tylosin by Streptomyces Sp. and is approved for veterinary use in poultry and swine. SB-Tylsol is a water-soluble additive that enhances immunity and supports sustainable livestock production in poultry (chickens and turkeys) and swine.



**Sanvi Biogen Pvt. Ltd.**

*We deliver "Safe and Efficacious Products"*



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## How it works

Tylvalosin is a potent third-generation macrolide antibiotic that targets bacteria and Mycoplasma. It inhibits bacterial protein synthesis by irreversible binding to the 50S ribosomal subunit of the susceptible bacteria, preventing bacterial growth and multiplication [2]. This dual action makes Tylvalosin an effective tool to combat various bacterial infections in poultry and swine.

## Key Benefits

- **Enhanced Immunity** : Boosts the immune system to combat diseases.
- **Disease Prevention** : Protects against bacterial infections like necrotic enteritis and respiratory diseases.
- **Anti-inflammatory Properties** : Alleviates inflammation, improving overall animal health.
- **Improved Growth Performance** : Enhances feed efficiency and weight gain.
- **Reduced Mortality** : Lowers mortality rates due to bacterial infections.
- **Effective Treatment** : Treats bacterial infections in poultry and swine, including respiratory and enteric diseases.
- **Broad-Spectrum Activity** : Targets a wide range of bacteria, including Gram- positive and some Gram-negative bacteria, as well as Mycoplasma and Spirochetes.

## Recommended Usage/Dosage of SB-Tylsol:

**Broilers** : 10 to 25 milligrams per Kg body weight for 3 Days in 4 Hours water.

**Layers** : 10 to 25 milligrams per Kg body weight for 5 Days.

**Breeders** : 10 to 25 milligrams per Kg body weight for 3 Days.

**Veterinary Consultation** : Always consult a veterinarian for specific dosage recommendations, tailored to your flock's needs.

**For Pigs** : Preparation of drinking water medicated, 5mg of Tylvalosin per kg of body weight of an animal each day for 5 days (Refer to a veterinary doctor or pharmacist for guidelines on dosage).

**Withdrawal Period** : 5 days before slaughter.



## Safety

It is only used in the drinking water. Mixing with the feed is not recommended. Avoid using SB-Tylsol in feeds containing pellet-binding agents. Do not feed SB-Tylsol undiluted.

## Storage

Store at room temperature in a dry place, away from moisture & direct sunlight.

## Notice

Regarding the dosage: Always consult a veterinarian for proper dosage and usage instructions, as well as for any specific concerns or conditions related to your animals, & Availability: SB-Tylsol (Tylvalosin) is available in ~62.5 % (water soluble) and can customize to water soluble Tylvalosin ~80% and Tylvalosin ~10% concentrations (as feed supplement-powder/granules).

## Caution

Not for Human Use; Avoid breathing directly; If skin irritation or a rash occurs: Get medical advice/attention. Wear protective gloves/protective clothing/eye protection/face protection.

## Reference

- 1.Zhu HJ, Wang WH, Liu JH, Caiyin Q, Qiao JJ (2015) Immobilization of Streptomyces thermotolerans 11432 on polyurethane foam to improve production of Acetylisovaleryltylosin. J Ind Microbiol Biotechnol 42:105-111. doi:10.1007/s10295- 014-1545-x
- 2.Jain R, Danziger LH (2004) The macrolide antibiotics: a pharmacokinetic and pharmacodynamic overview. Curr Pharm Design 10:3045-3053. doi:10.2174/1381612043383322



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