

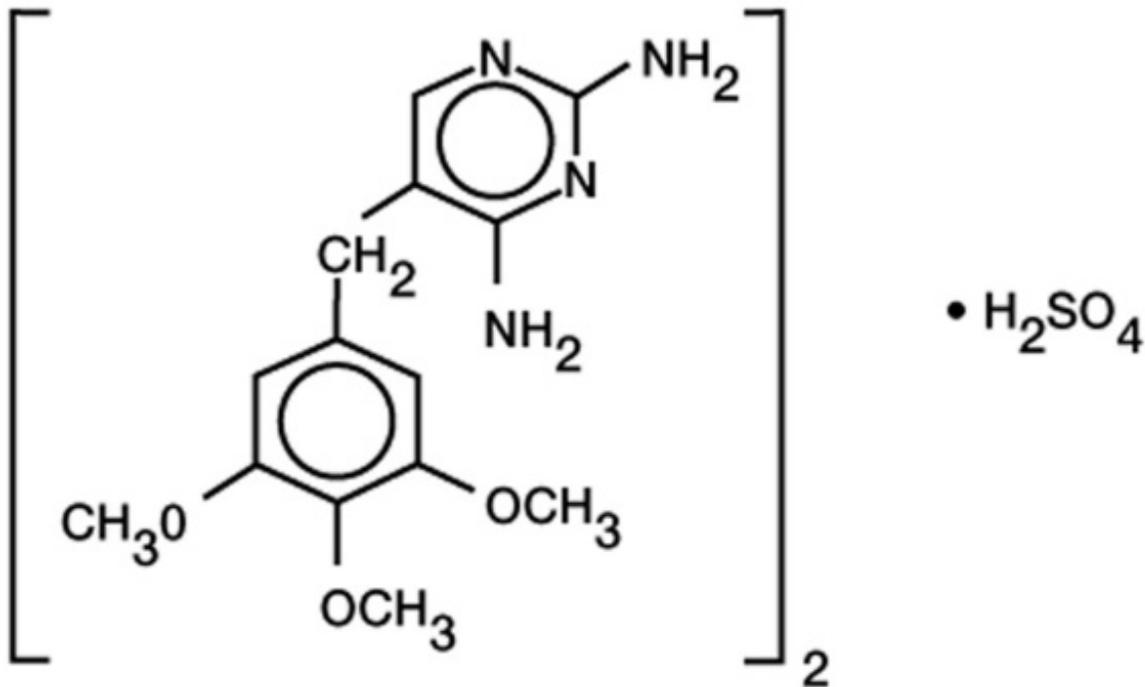
**POLYMYXIN B SULFATE AND TRIMETHOPRIM- polymyxin b sulfate and trimethoprim solution**  
**A-S Medication Solutions**

-----  
**Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution, USP**  
**Sterile**  
**Rx Only**

**DESCRIPTION**

Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution is a sterile antimicrobial solution for topical ophthalmic use. It has pH of 4.0 to 6.2 and osmolality of 270 to 310 mOsm/kg.

Chemical Names: Trimethoprim sulfate, 2,4-diamino-5-(3,4,5-trimethoxybenzyl) pyrimidine sulfate (2:1), is a white, odorless, crystalline powder with a molecular weight of 678.72 and the following structural formula:



Polymyxin B sulfate is the sulfate salt of polymyxin B<sub>1</sub> and B<sub>2</sub> which are produced by the growth of *Bacillus polymyxa* (Prazmowski) Migula (Fam. Bacillaceae). It has a potency of not less than 6,000 polymyxin B units per mg, calculated on an anhydrous basis. The structural formula are:



Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution is indicated in the treatment of surface ocular bacterial infections, including acute bacterial conjunctivitis, and blepharoconjunctivitis, caused by susceptible strains of the following microorganisms: *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Streptococcus pneumoniae*, *Streptococcus viridans*, *Haemophilus influenzae* and *Pseudomonas aeruginosa*.\*

\*Efficacy for this organism in this organ system was studied in fewer than 10 infections.

## **CONTRAINDICATIONS**

Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution is contraindicated in patients with known hypersensitivity to any of its components.

## **WARNINGS**

NOT FOR INJECTION INTO THE EYE.

If a hypersensitivity reaction to Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution occurs, discontinue use.

Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution is not indicated for the prophylaxis or treatment of ophthalmia neonatorum.

## **PRECAUTIONS**

### **General**

As with other antimicrobial preparations, prolonged use may result in overgrowth of nonsusceptible organisms, including fungi. If superinfection occurs, appropriate therapy should be initiated.

### **Information for Patients**

Avoid contaminating the applicator tip with material from the eye, fingers, or other source. This precaution is necessary if the sterility of the drops is to be maintained.

If hypersensitivity reactions such as redness, irritation, swelling, or pain persist or increase, discontinue use immediately and contact your physician.

Patients should be advised not to wear contact lenses if they have signs and symptoms of ocular bacterial infections.

### **Carcinogenesis, Mutagenesis, Impairment of Fertility**

**Carcinogenesis:** Long-term studies in animals to evaluate carcinogenic potential have not been conducted with polymyxin B sulfate or trimethoprim.

**Mutagenesis:** Trimethoprim was demonstrated to be non-mutagenic in the Ames assay. In studies at two laboratories no chromosomal damage was detected in cultured Chinese hamster ovary cells at concentrations approximately 500 times human plasma levels after oral administration; at concentrations approximately 1,000 times human plasma levels after oral administration in these same cells, a low level of chromosomal

damage was induced at one of the laboratories. Studies to evaluate mutagenic potential have not been conducted with polymyxin B sulfate.

***Impairment of Fertility:*** Polymyxin B sulfate has been reported to impair the motility of equine sperm, but its effects on male or female fertility are unknown.

No adverse effects on fertility or general reproductive performance were observed in rats given trimethoprim in oral dosages as high as 70 mg/kg/day for males and 14 mg/kg/day for females.

## **Pregnancy**

### ***Teratogenic Effects***

Animal reproduction studies have not been conducted with polymyxin B sulfate. It is not known whether polymyxin B sulfate can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity.

Trimethoprim has been shown to be teratogenic in the rat when given in oral doses 40 times the human dose. In some rabbit studies, the overall increase in fetal loss (dead and resorbed and malformed conceptuses) was associated with oral doses 6 times the human therapeutic dose.

While there are no large well-controlled studies on the use of trimethoprim in pregnant women, Brumfitt and Pursell, in a retrospective study, reported the outcome of 186 pregnancies during which the mother received either placebo or oral trimethoprim in combination with sulfamethoxazole. The incidence of congenital abnormalities was 4.5% (3 of 66) in those who received placebo and 3.3% (4 of 120) in those receiving trimethoprim and sulfamethoxazole. There were no abnormalities in the 10 children whose mothers received the drug during the first trimester. In a separate survey, Brumfitt and Pursell also found no congenital abnormalities in 35 children whose mothers had received oral trimethoprim and sulfamethoxazole at the time of conception or shortly thereafter.

Because trimethoprim may interfere with folic acid metabolism, trimethoprim should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

### ***Nonteratogenic Effects***

The oral administration of trimethoprim to rats at a dose of 70 mg/kg/day commencing with the last third of gestation and continuing through parturition and lactation caused no deleterious effects on gestation or pup growth and survival.

## **Nursing Mothers**

It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution is administered to a nursing woman.

## **Pediatric Use**

Safety and effectiveness in children below the age of 2 months have not been established [see *Warnings*].

## **Geriatric Use**

No overall differences in safety or effectiveness have been observed between elderly and other adult patients.

## **ADVERSE REACTIONS**

The most frequent adverse reaction to Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution is local irritation consisting of increased redness, burning, stinging, and/or itching. This may occur on instillation, within 48 hours, or at any time with extended use. There are also multiple reports of hypersensitivity reactions consisting of lid edema, itching, increased redness, tearing, and/or circumocular rash. Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis (SJS/TEN) and anaphylaxis have been reported. Photosensitivity has been reported in patients taking oral trimethoprim.

**To report SUSPECTED ADVERSE REACTIONS, contact Sandoz Inc., at 1-800-525-8747 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

## **DOSAGE AND ADMINISTRATION**

In mild to moderate infections, instill one drop in the affected eye(s) every three hours (maximum of 6 doses per day) for a period of 7 to 10 days.

## **HOW SUPPLIED**

Product: 50090-2925

NDC: 50090-2925-0 10 mL in a BOTTLE, PLASTIC

Manufactured by

Alcon Laboratories, Inc.

Fort Worth, Texas 76134 for

Sandoz Inc.

Princeton, NJ 08540

Revised: September 2025

300071767-0925

## **Polymyxin B Sulfate and Trimethoprim**

NDC 50090-2925-0  
A-S Medication Solutions, LLC  
Product No. 4487-0  
LOT

**POLYMYXIN B SULFATE AND TRIMETHOPRIM OPTHALMIC SOLUTION**

ACTIVE INGREDIENTS: POLYMYXIN B SULFATE 10,000 UNITS/ML TRIMETHOPRIM SULFATE EQUIVALENT TO TRIMETHOPRIM 1 MG/ML.

STORE AT 59 TO 77 DEGREES F  
PROTECT FROM LIGHT.

10 ML

DOSAGE: SEE PACKAGE INSERT  
GTIN: 00350090292503  
LOT  
S/N:

DISTRIBUTED BY:  
A-S Medication Solutions  
Libertyville, IL 60048

SOURCE NDC: 61314-628-10

RX ONLY



# POLYMYXIN B SULFATE AND TRIMETHOPRIM

polymyxin b sulfate and trimethoprim solution

## Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:50090-2925(NDC:61314-628)
<b>Route of Administration</b>	OPHTHALMIC		

## Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>POLYMYXIN B SULFATE</b> (UNII: 19371312D4) (POLYMYXIN B - UNII:J2VZ.07J96K)	POLYMYXIN B	10000 [USP'U] in 1 mL
<b>TRIMETHOPRIM SULFATE</b> (UNII: E377MF8EQ8) (TRIMETHOPRIM - UNII:AN164J8Y0X)	TRIMETHOPRIM	1 mg in 1 mL

## Inactive Ingredients

Ingredient Name	Strength
<b>BENZALKONIUM CHLORIDE</b> (UNII: F5UM2KM3W7)	
<b>SODIUM CHLORIDE</b> (UNII: 451W47IQ8X)	
<b>SULFURIC ACID</b> (UNII: O40UQP6WCF)	
<b>AQUA</b> (UNII: 059QF0K00R)	
<b>SODIUM HYDROXIDE</b> (UNII: 55X04QC32I)	

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:50090-2925-0	10 mL in 1 BOTTLE, PLASTIC; Type 0: Not a Combination Product	03/16/2017	

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA064211	04/16/1998	

**Labeler** - A-S Medication Solutions (830016429)

## Establishment

Name	Address	ID/FEI	Business Operations
A-S Medication Solutions		830016429	RELABEL(50090-2925)

Revised: 2/2026

A-S Medication Solutions