

POLYMYXIN B SULFATE AND TRIMETHOPRIM- polymyxin b sulfate and trimethoprim sulfate solution/ drops
Sportpharm LLC

**Polymyxin B Sulfate
and Trimethoprim
Ophthalmic Solution, USP*
(Sterile)**

Rx only

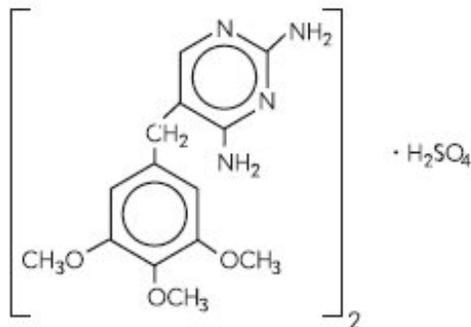
FOR TOPICAL APPLICATION IN THE EYE

DESCRIPTION

Polymyxin B sulfate and trimethoprim ophthalmic solution, USP is a sterile antimicrobial solution for topical ophthalmic use. It has pH of 4.0 to 5.5 and osmolality of 270 to 310 mOsm/kg.

Chemical Names:

Trimethoprim sulfate, 2,4-diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine sulfate, 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 B₁ and B₂ 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 formulae 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*.¹

¹Efficacy 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 persists or increases, 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 Bausch & Lomb Incorporated at 1-800-553-5340 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DOSAGE AND ADMINISTRATION

In mild to moderate infections, instill one drop in the affected eye(s) every 3 hours (maximum of 6 doses per day) for a period of 7 to 10 days.

HOW SUPPLIED

Polymyxin B sulfate and trimethoprim ophthalmic solution, USP* is supplied in a plastic bottle with a controlled drop tip in the following size:

NDC 85766-141-10 10 mL (reabeled from NDC 24208-315-10)

DO NOT USE IF IMPRINTED NECKBAND IS NOT INTACT.

Storage:

Store at 15°C to 25°C (59°F to 77°F). PROTECT FROM LIGHT.

*Does not meet USP packaging specification for light resistance.

RETAIN IN CARTON UNTIL TIME OF USE.

Distributed by:

Sportpharm LLC

379 Van Ness Ave 1401,

Torrance, CA 90501

Relabeled by:

Enovachem PHARMACEUTICALS

Torrance, CA 90501

Principal Display Panel

Relabeled For:



Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution, USP (Sterile)

NDC: 85766-141-10

Qty: 10



Distributed By: Bausch & Lomb Americas Inc.
Source NDC: 24208-315-10
Description: solution in plastic bottle with controlled drop tip
Lot #: 00000000 Exp:
Batch #: 00000000
Drug Status: RX



(01) 0 0385766 14110 6
(17)
(10) 00000000
(21)

Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution, USP (Sterile)

NDC: 85766-141-10

S/N:

Qty: 10

Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution, USP (Sterile)

NDC: 85766-141-10

S/N:

Qty: 10

Polymyxin B Sulfate and Trimethoprim Ophthalmic Solution, USP (Sterile)

NDC: 85766-141-10

S/N:

Qty: 10

Packaged By: Enovachem Pharmaceuticals Torrance, CA 90501
CAUTION: FEDERAL LAW PROHIBITS DISPENSING WITHOUT PRESCRIPTION. SEE PACKAGE INSERT.
KEEP OUT OF REACH OF CHILDREN. STORE AT 20-25C (68-77F) [SEE USP CONTROLLED ROOM TEMP].

POLYMYXIN B SULFATE AND TRIMETHOPRIM

polymyxin b sulfate and trimethoprim sulfate solution/ drops

Product Information

| | | | |
|--------------------------------|-------------------------|---------------------------|------------------------------|
| Product Type | HUMAN PRESCRIPTION DRUG | Item Code (Source) | NDC:85766-141(NDC:24208-315) |
| Route of Administration | OPHTHALMIC | | |

Active Ingredient/Active Moiety

| Ingredient Name | Basis of Strength | Strength |
|---|-------------------|-----------------------|
| POLYMYXIN B SULFATE (UNII: 19371312D4) (POLYMYXIN B - UNII:J2VZ07J96K) | POLYMYXIN B | 10000 [USP'U] in 1 mL |
| TRIMETHOPRIM SULFATE (UNII: E377MF8EQ8) (TRIMETHOPRIM - UNII:AN164J8Y0X) | TRIMETHOPRIM | 1 mg in 1 mL |

Inactive Ingredients

| Ingredient Name | Strength |
|---|----------|
| WATER (UNII: 059QF0KO0R) | |
| SODIUM CHLORIDE (UNII: 451W47IQ8X) | |
| SULFURIC ACID (UNII: O40UQP6WCF) | |
| SODIUM HYDROXIDE (UNII: 55X04QC32I) | |
| BENZALKONIUM CHLORIDE (UNII: F5UM2KM3W7) | |

Packaging

| # | Item Code | Package Description | Marketing Start Date | Marketing End Date |
|---|------------------|---|----------------------|--------------------|
| 1 | NDC:85766-141-10 | 1 in 1 CARTON | 02/03/2026 | |
| 1 | | 10 mL in 1 BOTTLE, DROPPER; Type 0: Not a Combination Product | | |

Marketing Information

| Marketing Category | Application Number or Monograph Citation | Marketing Start Date | Marketing End Date |
|--------------------|--|----------------------|--------------------|
| ANDA | ANDA064120 | 02/14/1997 | |

Labeler - Sportpharm LLC (125298538)

Revised: 2/2026

Sportpharm LLC