

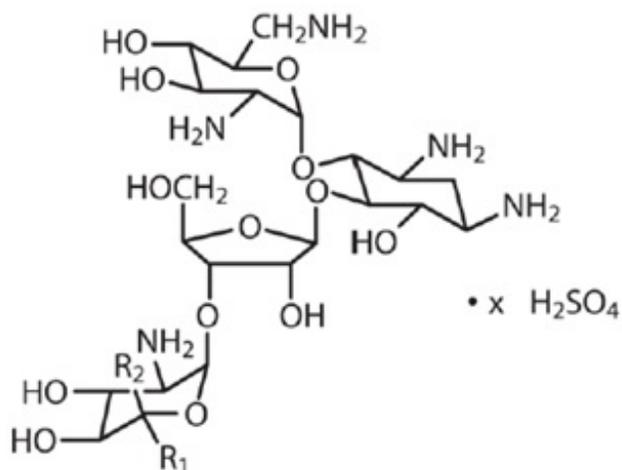
**NEOMYCIN AND POLYMYXIN B SULFATES AND HYDROCORTISONE- neomycin sulfate, polymyxin b sulfate, hydrocortisone solution/ drops  
Amneal Pharmaceuticals NY LLC**

**Neomycin and Polymyxin B Sulfates and Hydrocortisone Otic Solution, USP**

**DESCRIPTION**

Neomycin and polymyxin B sulfates and hydrocortisone otic solution, USP is a sterile antibacterial and anti-inflammatory solution for otic use. Each mL contains: neomycin sulfate, USP equivalent to 3.5 mg neomycin base; polymyxin B sulfate, USP equivalent to 10,000 polymyxin B units and hydrocortisone, USP, 10 mg (1%). The vehicle contains potassium metabisulfite 0.1% (added as a preservative) and the inactive ingredients cupric sulfate, glycerin, hydrochloric acid, propylene glycol and water for injection. Sodium hydroxide may be added for adjustment of pH.

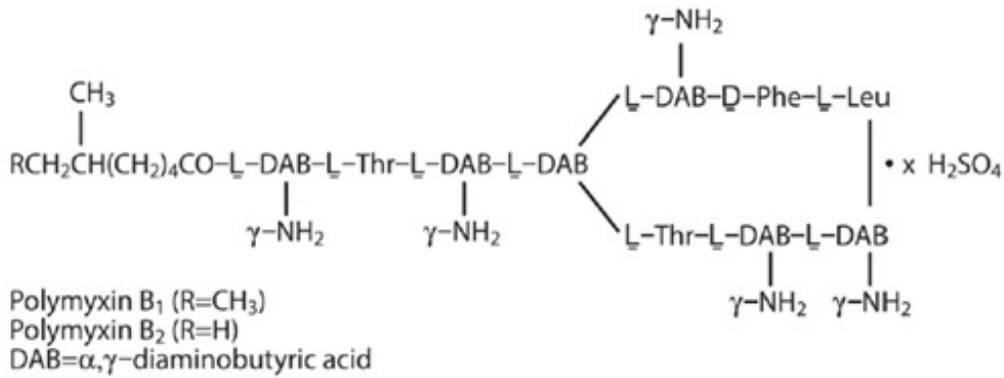
Neomycin sulfate is the sulfate salt of neomycin B and C, which are produced by the growth of *Streptomyces fradiae* Waksman (Fam. Streptomycetaceae). It has a potency equivalent of not less than 600 mcg of neomycin standard per mg, calculated on an anhydrous basis. The structural formulae are:



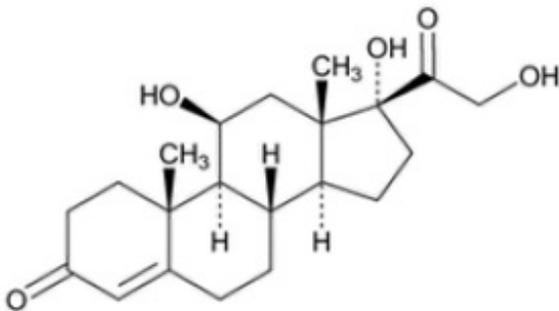
Neomycin B (R<sub>1</sub>=H, R<sub>2</sub>=CH<sub>2</sub>NH<sub>2</sub>)

Neomycin C (R<sub>1</sub>=CH<sub>2</sub>NH<sub>2</sub>, R<sub>2</sub>=H)

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 formulae are:



Hydrocortisone, 11β, 17, 21-trihydroxypregn-4-ene-3, 20-dione, is an anti-inflammatory hormone. Its structural formula is:



## CLINICAL PHARMACOLOGY

Corticoids suppress the inflammatory response to a variety of agents and they may delay healing. Since corticoids may inhibit the body's defense mechanism against infection, a concomitant antimicrobial drug may be used when this inhibition is considered to be clinically significant in a particular case.

The anti-infective components in the combination are included to provide action against specific organisms susceptible to them. Neomycin sulfate and polymyxin B sulfate together are considered active against the following microorganisms: *Staphylococcus aureus*, *Escherichia coli*, *Haemophilus influenzae*, *Klebsiella-Enterobacter* species, *Neisseria* species and *Pseudomonas aeruginosa*. This product does not provide adequate coverage against *Serratia marcescens* and streptococci, including *Streptococcus pneumoniae*.

The relative potency of corticosteroids depends on the molecular structure, concentration and release from the vehicle.

## INDICATIONS AND USAGE

For the treatment of superficial bacterial infections of the external auditory canal caused by organisms susceptible to the action of the antibiotics.

## CONTRAINDICATIONS

This product is contraindicated in those individuals who have shown hypersensitivity to

any of its components. This product should not be used if the external auditory canal disorder is suspected or known to be due to cutaneous viral infection (for example, herpes simplex virus or varicella zoster virus).

## **WARNINGS**

Neomycin can induce permanent sensorineural hearing loss due to cochlear damage, mainly destruction of hair cells in the organ of Corti. The risk of ototoxicity is greater with prolonged use; therefore, duration of therapy should be limited to 10 consecutive days (see **PRECAUTIONS: General**).

Patients being treated with eardrops containing neomycin should be under close clinical observation. Due to its acidity which may cause burning and stinging, neomycin and polymyxin B sulfates and hydrocortisone otic solution should not be used in any patients with a perforated tympanic membrane.

Neomycin sulfate may cause cutaneous sensitization. A precise incidence of hypersensitivity reactions (primarily skin rash) due to topical neomycin is not known. Discontinue this product promptly if sensitization or irritation occurs.

When using neomycin-containing products to control secondary infection in the chronic dermatoses, such as chronic otitis externa or stasis dermatitis, it should be borne in mind that the skin in these conditions is more liable than is normal skin to become sensitized to many substances, including neomycin. The manifestation of sensitization to neomycin is usually a low-grade reddening with swelling, dry scaling and itching; it may be manifest simply as a failure to heal. Periodic examination for such signs is advisable and the patient should be told to discontinue the product if they are observed. These symptoms regress quickly on withdrawing the medication. Neomycin-containing applications should be avoided for the patient thereafter.

Contains potassium metabisulfite, a sulfite that may cause allergic-type reactions including anaphylactic symptoms and life-threatening or less severe asthmatic episodes in certain susceptible people. The overall prevalence of sulfite sensitivity in the general population is unknown and probably low. Sulfite sensitivity is seen more frequently in asthmatic than in nonasthmatic people.

## **PRECAUTIONS**

### **General**

As with other antibiotic preparations, prolonged use may result in overgrowth of nonsusceptible organisms, including fungi.

If the infection is not improved after 1 week, cultures and susceptibility tests should be repeated to verify the identity of the organism and to determine whether therapy should be changed.

Treatment should not be continued for longer than 10 days.

Allergic cross-reactions may occur which could prevent the use of any or all of the following antibiotics for the treatment of future infections: kanamycin; paromomycin; streptomycin and possibly, gentamicin.

## **Information for Patients**

Avoid contaminating the dropper with material from the ear, fingers or other source. This caution is necessary if the sterility of the drops is to be preserved.

If sensitization or irritation occurs, discontinue use immediately and contact your physician.

Do not use in the eyes.

## **Laboratory Tests**

Systemic effects of excessive levels of hydrocortisone may include a reduction in the number of circulating eosinophils and a decrease in urinary excretion of 17-hydroxycorticosteroids.

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

Long-term studies in animals (rats, rabbits, mice) showed no evidence of carcinogenicity attributable to oral administration of corticosteroids.

## **Pregnancy**

### ***Teratogenic Effects***

Corticosteroids have been shown to be teratogenic in rabbits when applied topically at concentrations of 0.5% on days 6 to 18 of gestation and in mice when applied topically at a concentration of 15% on days 10 to 13 of gestation. There are no adequate and well-controlled studies in pregnant women. Corticosteroids should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

## **Nursing Mothers**

Hydrocortisone appears in human milk following oral administration of the drug. Since systemic absorption of hydrocortisone may occur when applied topically, caution should be exercised when neomycin and polymyxin B sulfates and hydrocortisone otic solution is used by a nursing woman.

## **Pediatric Use**

The safety and effectiveness of neomycin and polymyxin B sulfates and hydrocortisone otic solution in otitis externa have been established in the pediatric age group 2 years to 16 years of age. There is inadequate data to establish safety and effectiveness in otitis externa for pediatric patients under 2 years of age<sup>1</sup>.

## **Geriatric Use**

Clinical studies of neomycin and polymyxin B sulfates and hydrocortisone otic solution did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients.

## **ADVERSE REACTIONS**

Neomycin occasionally causes skin sensitization. Ototoxicity and nephrotoxicity have also been reported (see **WARNINGS**). Adverse reactions have occurred with topical use of antibiotic combinations including neomycin and polymyxin B. Exact incidence figures



1. Jones, RN, Milazzo J, Seidlin, M. Ofloxacin Otic Solution for Treatment of Otitis Externa in Children and Adults. *Arch Otolaryngol Head Neck Surg.* 1997; 123: 1193-1200.
2. Leyden JJ, Kligman AM. Contact dermatitis to neomycin sulfate. *JAMA.* 1979;242:1276-1278.
3. Prystowsky SD, Allen AM, Smith RW, Nonomura JH, Odom RB, Akers WA. Allergic contact hypersensitivity to nickel, neomycin, ethylenediamine, and benzocaine: relationships between age, sex, history of exposure, and reactivity to standard patch tests and use tests in a general population. *Arch Dermatol.* 1979;115:959-962.

Manufactured by:

**Amneal Pharmaceuticals Pvt. Ltd.**

Ahmedabad 382213, INDIA

Distributed by:

**Amneal Pharmaceuticals LLC**

Bridgewater, NJ 08807

Rev. 08-2025

Version-01

**PRINCIPAL DISPLAY PANEL**

**NDC 60219-2083-1**

**Neomycin and Polymyxin B sulfates and Hydrocortisone Otic Solution, USP (10 mL)**

**Rx only**

**Amneal Pharmaceuticals LLC**

NDC 60219-2083-1

**Neomycin and Polymyxin B Sulfates and Hydrocortisone Otic Solution, USP**  
(Sterile)

**FOR USE IN EARS ONLY** 

**Rx only** **10 mL**

**Recommended Dosage:**  
See Package Insert.  
**Storage:** Store between 15° to 25°C (59° to 77°F). Securely tighten cap between uses.  
**KEEP OUT OF THE REACH OF CHILDREN.**

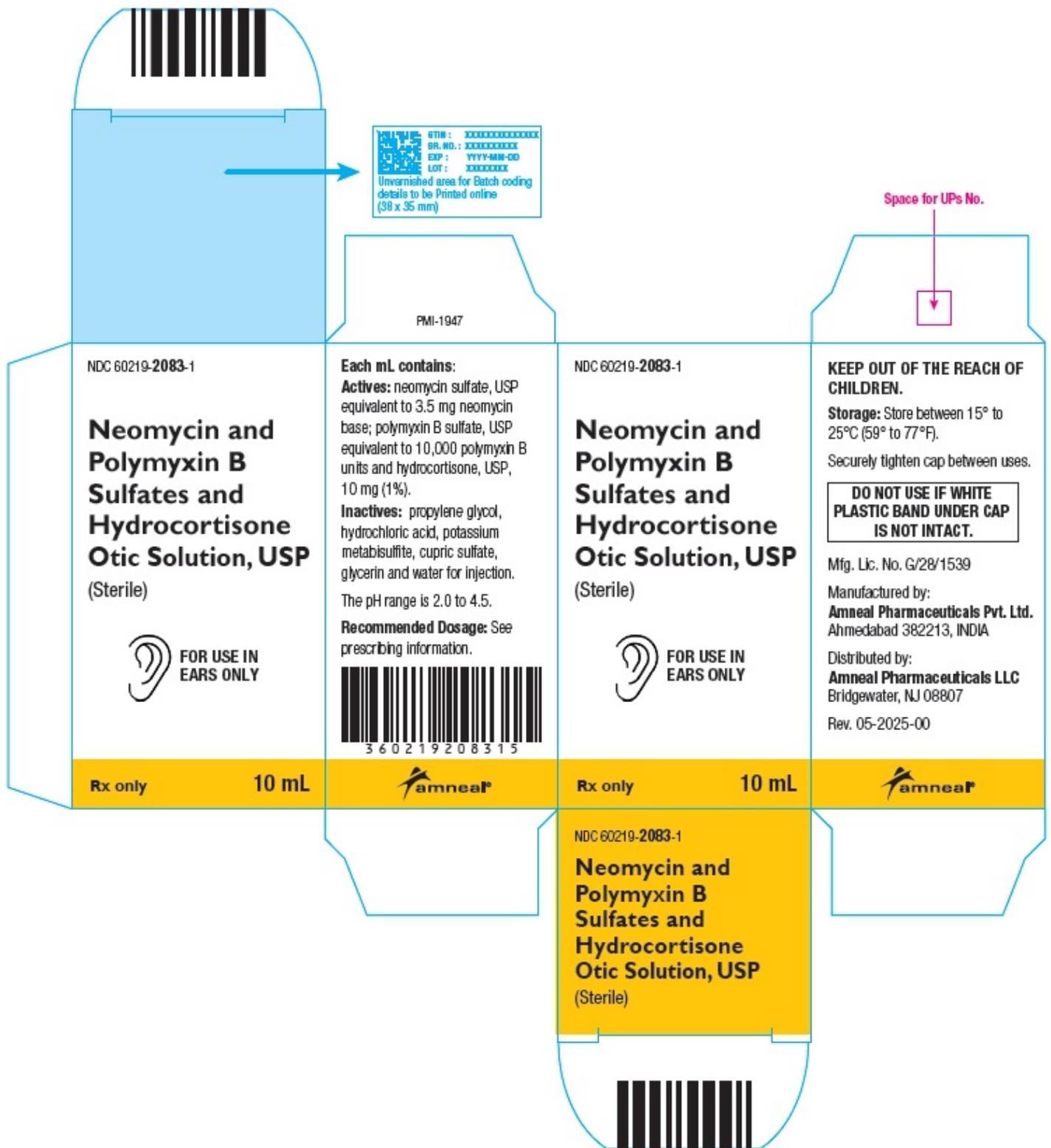
**DO NOT USE IF WHITE PLASTIC BAND UNDER CAP IS NOT INTACT.**

Mfg. Lic. No. G/28/1539  
Made in INDIA.  
Distributed by: **Amneal Pharmaceuticals LLC**  
Bridgewater, NJ 08807  
Rev. 05-2025-00

  
(01) 0 0360219 20831 5

**Unvarnished Area (6 x 18 mm)**

**LOT: XXXXXXXX  
EXP: YYYY-MM-DD**  
Overcoding Area for Batch coding details to be Printed online (10 x 18 mm)



# NEOMYCIN AND POLYMYXIN B SULFATES AND HYDROCORTISONE

neomycin sulfate, polymyxin b sulfate, hydrocortisone solution/ drops

## Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:60219-2083
<b>Route of Administration</b>	AURICULAR (OTIC)		

<b>Active Ingredient/Active Moiety</b>				
<b>Ingredient Name</b>			<b>Basis of Strength</b>	<b>Strength</b>
<b>NEOMYCIN SULFATE</b> (UNII: 057Y626693) (NEOMYCIN - UNII:I16QD7X297)			NEOMYCIN	3.5 mg in 1 mL
<b>POLYMYXIN B SULFATE</b> (UNII: 19371312D4) (POLYMYXIN B - UNII:J2VZ07J96K)			POLYMYXIN B	10000 [USP'U] in 1 mL
<b>HYDROCORTISONE</b> (UNII: W4X0X7BPJ) (HYDROCORTISONE - UNII:W4X0X7BPJ)			HYDROCORTISONE	10 mg in 1 mL
<b>Inactive Ingredients</b>				
<b>Ingredient Name</b>				<b>Strength</b>
<b>PROPYLENE GLYCOL</b> (UNII: 6DC9Q167V3)				
<b>HYDROCHLORIC ACID</b> (UNII: QTT17582CB)				
<b>POTASSIUM METABISULFITE</b> (UNII: 65OE787Q7W)				
<b>CUPRIC SULFATE</b> (UNII: LRX7AJ16DT)				
<b>GLYCERIN</b> (UNII: PDC6A3C0OX)				
<b>WATER</b> (UNII: 059QF0KO0R)				
<b>Packaging</b>				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:60219-2083-1	1 in 1 CARTON	10/29/2025	
1		10 mL in 1 BOTTLE; Type 2: Prefilled Drug Delivery Device/System (syringe, patch, etc.)		
<b>Marketing Information</b>				
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date	
ANDA	ANDA217803	10/29/2025		

**Labeler** - Amneal Pharmaceuticals NY LLC (123797875)

<b>Establishment</b>			
Name	Address	ID/FEI	Business Operations
Amneal Pharmaceuticals Private Limited		860156658	analysis(60219-2083) , manufacture(60219-2083) , pack(60219-2083) , sterilize(60219-2083)

Revised: 11/2025

Amneal Pharmaceuticals NY LLC