

The first and only Rx eye drop for DED that directly targets evaporation¹

PRODUCT INFORMATION

PRODUCT TRADE: MIEBO

DELIVERY: Topical ophthalmic solution

ACTIVE INGREDIENT:

Perfluorohexyloctane 100%

INACTIVE INGREDIENTS: None

PRESERVATIVE: None

HOW SUPPLIED: Polypropylene bottles with dropper tips and screw caps in the following size: 3-mL fill in a 5-mL bottle

INDICATION AND USAGE: MIEBO is a semifluorinated alkane indicated for the treatment of the signs and symptoms of

dry eye disease (DED)

FILL SIZE: 3-mL in 5-mL bottle

NO A/B GENERIC EQUIVALENT AVAILABLE
MIEBO DOSING: Instill one drop of MIEBO

four times daily into affected eye(s).

PACKAGING SPECIFICATIONS

SELLING UNIT							
Unit NDC		Dimensions Weight					
1	24208-0377-05	3.5 in x 1.375 in x 1.375 in	0.04 lb				

SHIPPING CASE							
Pack	Dimensions	Weight					
48	8.875 in x 6 in x 7.75 in	2.3 lb					

BAR CODING:

3-mL fill in a 5-mL container bar-coded with NDC# 24208-0377-05

STORAGE CONDITIONS:

Store MIEBO at 15 °C to 25 °C (59 °F to 77 °F). After opening, MIEBO can be used until the expiration date on the bottle

EXPIRATION: 24 months

INNER PACK: 1

INDICATION

MIEBO™ (perfluorohexyloctane ophthalmic solution) is a semifluorinated alkane indicated for the treatment of the signs and symptoms of dry eye disease.

IMPORTANT SAFETY INFORMATION

 MIEBO should not be administered while wearing contact lenses. Contact lenses should be removed before use and for at least 30 minutes after administration of MIEBO

Please see additional Important Safety Information on the back and full Prescribing Information in the pocket.



WHOLESALER ORDER NUMBERS

Fill	NDC	Package size	Cardinal	McKesson	Amerisource Bergen
3-mL fill in a 5-mL container	24208-0377-05	3.5 in x 1.375 in x 1.375 in	5858964	2841351	10281423

BAUSCH + LOMB CUSTOMER SERVICE DEPARTMENT

Phone orders: 1-800-321-4576, Option 1

Fax orders: 1-908-927-1926

Email orders: Ophthapharma@bausch.com



For more information about MIEBO, including our patient savings programs, please visit www.miebo-ecp.com.

IMPORTANT SAFETY INFORMATION (CONTINUED)

- Instruct patients to instill one drop of MIEBO into each eye four times daily
- The safety and efficacy in pediatric patients below the age of 18 have not been established
- The most common ocular adverse reaction was blurred vision (1% to 3% of patients reported blurred vision and conjunctival redness)

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch or call 1-800-FDA-1088.

Please see additional Important Safety Information on the front and full Prescribing Information in the pocket.

Reference: 1. MIEBO. Prescribing Information. Bausch & Lomb, Inc; 2023.





HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use MIEBO safely and effectively. See full prescribing information for MIEBO.

MIEBO™ (perfluorohexyloctane ophthalmic solution), for topical ophthalmic use Initial U.S. Approval: 2023

---- INDICATIONS AND USAGE ----

MIEBO (perfluorohexyloctane ophthalmic solution) is a semifluorinated alkane indicated for treatment of the signs and symptoms of dry eye disease. (1)

-----DOSAGE AND ADMINISTRATION

Instill one drop of MIEBO four times daily into each eye. (2.1)

-----DOSAGE FORMS AND STRENGTHS-----

Ophthalmic solution: 100% perfluorohexyloctane. (3)

None. (4) ------ ADVERSE REACTIONS ----Most common ocular adverse reaction was blurred vision. Blurred vision was reported in

------ CONTRAINDICATIONS ------

less than 4% of individuals. (6.1)

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. See 17 for PATIENT COUNSELING INFORMATION.

Revised: 5/2023

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

MIEBO™ (perfluorohexyloctane ophthalmic solution) is indicated for the treatment of the signs and symptoms of dry eye disease (DED).

2 DOSAGE AND ADMINISTRATION

2.1 Recommended Dosage

Instill one drop of MIEBO four times daily into affected eye(s).

Contact lenses should be removed prior to and for at least 30 minutes after the administration of MIFBO

2.2 Administration Instructions

Step 1. Remove the cap from eye drop bottle.

Step 2. Holding the bottle upright, gently squeeze the bottle.



Step 3. While squeezing, turn the bottle upside down and release the pressure (drawing air into the bottle).



Step 4. Keeping the bottle upside down, place the bottle above your eye and squeeze it again to release a drop into your eye.



Repeat steps 1 - 4 for the second affected eye.

3 DOSAGE FORMS AND STRENGTHS

MIEBO (perfluorohexyloctane ophthalmic solution) is a sterile, clear and colorless ophthalmic solution containing 100% perfluorohexyloctane.

4 CONTRAINDICATIONS

None.

5 WARNINGS AND PRECAUTIONS

5.1 Use with Contact Lenses

MIEBO should not be administered while wearing contact lenses. Advise patients that contact lenses should be removed prior to and for at least 30 minutes after administration of MIEBO.

6 ADVERSE REACTIONS

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

In patients with DED, 614 patients received at least one dose of MIEBO in two randomized controlled clinical trials across 68 sites in the United States. The most common ocular adverse reaction was blurred vision. Blurred vision and conjunctival redness were reported in 1-3% of individuals.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

There are no adequate and well controlled studies with MIEBO in pregnant women.

In animal reproduction studies with oral administration of perfluorohexyloctane during the period of organogenesis, no adverse maternal or developmental effects were observed in rats at doses up to 162 times the recommended human ophthamic dose (RHOD) (see Data). Maternal toxicity, miscarriages and reduced fetal weights were observed in rabbits at all doses tested, with the lowest dose as 41 times the RHOD.

All pregnancies have a risk of birth defect, loss, or other adverse outcomes. In the US general population, the estimated background risk of major birth defects is 2 to 4%, and of miscarriage is 15 to 20%. of clinically recognized oregnancies.

<u>Data</u>

Animal Data

An embryofetal study was conducted in pregnant rabbits administered perfluorohexyloctane by oral gavage on gestation days 6 to 19, to target the period of organogenesis. Perfluorohexyloctane produced maternal toxicity, characterized by reduced body weight gain and food consumption, and miscarriages at all doses tested, with the lowest dose as $\geq 250 \text{ mg/kg/day}$ (41 times the RHOD based on body surface area). Reduced fetal weights were also observed at $\geq 250 \text{ mg/kg/day}$ but no fetal mortality or malformations. A no observed adverse effect level (NOAEL) for maternal toxicity was not established in rabbits.

An embryofetal study was conducted in pregnant rats administered perfluorohexyloctane by oral gavage on gestation days 6 to 17, to target the period of organogenesis. There was no evidence of embryofetal toxicity or teratogenicity at doses up to 2,000 mg/kg/day (162 times the BHOD)

8.2 Lactation

There are no data on the presence of perfluorohexyloctane in human milk, the effects on the breastfed infant, or the effects on milk production. The lack of clinical data during lactation precludes a clear determination of the risk of MIEBO to an infant during lactation; however, the developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for MIEBO.

3.4 Pediatric Use

The safety and effectiveness of MIEBO in pediatric patients below the age of 18 years have not been established.

Geriatric Use

No overall differences in safety and effectiveness have been observed between elderly and vounger patients.

DESCRIPTION 11

MIEBO™ (perfluorohexyloctane ophthalmic solution) is a sterile, clear and colorless liquid containing 100% perfluorohexyloctane, for topical ophthalmic use.

The active ingredient is 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorotetradecane and is a semifluorinated alkane. It has a molecular formula of C14H17F13 and a molecular weight of 432.26 g/mol. The chemical structure is:

Perfluorohexyloctane is practically immiscible with water. It is miscible with ethanol and most organic solvents. Each multiple-dose bottle contains 3 mL of perfluorohexyloctane, 1.338 g/mL as a clear and colorless liquid.

CLINICAL PHARMACOLOGY 12

Mechanism of Action 12.1

Perfluorohexyloctane, a semifluorinated alkane, contains 6 perfluorinated carbon atoms and 8 hydrogenated carbon atoms. Perfluorohexyloctane forms a monolayer at the air-liquid interface of the tear film which can be expected to reduce evaporation. The exact mechanism of action for MIEBO in DED is not known.

The pharmacokinetics of perfluorohexyloctane following topical ocular administration of MIEBO has not been quantitatively characterized in humans. A single pharmacokinetic (PK) study was conducted that showed low systemic perfluorohexyloctane blood levels after topical ocular administration. Perfluorohexyloctane was not metabolized by human liver microsomes in vitro.

NONCLINICAL TOXICOLOGY

Carcinogenesis, Mutagenesis, Impairment of Fertility 13.1

Long-term studies in animals have not been conducted to evaluate the carcinogenic potential

Perfluorohexyloctane was not mutagenic or clastogenic in a standard battery of genotoxicity refliction representation of the state of th micronucleus assay in rats.

14 **CLINICAL STUDIES**

In two randomized, multicenter, double-masked, saline-controlled trials (GOBI and MOJAVE), a total of 1,217 patients with a history of DED and clinical signs of meibomian gland dysfunction were randomized to MIEBO or saline 0.6% (1:1 ratio) to evaluate safety and efficacy after receiving MIEBO four times daily (QID) for 57 days. The mean age of the 614 patients who received MIEBO was 57 years (range, 19-87 years). The majority of patients were female (76%)

Effects on Signs of Dry Eye Disease

Total corneal fluorescein staining (tCFS) was recorded at each study visit using a standardized grading system of 0-3 for each of the five areas on the cornea (inferior, superior, central, nasal, and temporal), totaling a maximum tCFS score for each eye of 15. The average baseline tCFS was approximately 6.7 in GOBI and 7.0 in MOJAVE. At Days 15 and 57, a statistically significant reduction in tCFS favoring MIEBO was observed in both studies (Figure 1).

Figure 1: Mean Change (Standard Deviation) from Baseline and Treatment Difference (MIEBO-Saline) in Total Corneal Fluorescein Staining (Study Eye) in 8-Week Study in Patients with Dry Eye Disease

GOBI†					MOJAVE†					
Visit	MIEBO (n=303)	Saline (n=294)	Difference (95% CI)	—	Favors MIEBO	Visit	MIEBO (n=311)	Saline (n=309)	Difference (95% CI)	Favors MIEBO
Baseline	6.7 (1.8)	6.7 (1.9)				Baseline	7.0 (2.0)	7.1 (1.9)		
Day 15	-1.7 (2.1)	-1.1 (2.2)	-0.58 (-0.93, -0.23)		⊢	Day 15	-1.9 (2.3)	-1.3 (2.4)	-0.60 (-0.97, -0.24)	⊢• :
Day 57	-2.0 (2.6)	-1.0 (2.7)	-0.97 (-1.40, -0.55)	-2	-1 0	Day 57	-2.3 (2.8)	-1.1 (2.9)	-1.21 (-1.66, -0.76)	-2 -1 0

[†] A Phase 3, Multi-Center, Randomized, Double-Masked, Saline-Controlled Trial to Evaluate the Effect of NOV03 (Perfluorohexyloctane) on Signs and Symptoms of Dry Eye Disease Associated with Meibomian Gland Dysfunction

Figure 2: Mean Change (Standard Deviation) from Baseline and Treatment Difference (MIEBO-Saline) in Eye Dryness Score (Study Eye) in 8-Week Study in Patients with Dry Eye Disease

GOBI†						MOJAVI	E†			
Visit	MIEBO (n=303)	Saline (n=294)	Difference (95% CI)	_	Favors MIEBO	Visit	MIEBO (n=311)	Saline (n=309)	Difference (95% CI)	Favors MIEBO
Baseline	66.5 (19.1)	66.8 (18.7)			=	Baseline	64.7 (19.5)	64.3 (19.8)		-
Day 15	-18.0 (24.0)	-13.4 (23.3)	-4.72 (-8.25, -1.20)		⊢●	Day 15	-18.5 (23.6)	-10.5 (23.9)	-7.79 (-11.28, -4.29)	⊢•
Day 57	-27.4 (27.9)	-19.7 (26.7)	-7.61 (-11.82,-3.40)	-15 -1	10 -5 0	Day 57	-29.5 (28.6)	-19.0 (27.2)	-10.24 (-14.35,-6.08)	-15 -10 -5 0

[†] A Phase 3, Multi-Center, Randomized, Double-Masked, Saline-Controlled Trial to Evaluate the Effect of NOV03 (Perfluorohexyloctane) on Signs and Symptoms of Dry Eve Disease Associated with Meibomian Gland Dysfunction

Effects on Symptoms of Dry Eye Disease

Eye dryness score was rated by patients using a visual analogue scale (VAS) (0=no discomfort, 100=maximal discomfort) at each study visit. The baseline VAS eye dryness average score was approximately 67 in GOBI and 65 in MOJAVE. At Days 15 and 57, a statistically significant reduction in VAS eye dryness score favoring MIEBO was observed in both studies (Figure 2).

HOW SUPPLIED/STORAGE AND HANDLING

MIEBO™ (perfluorohexyloctane ophthalmic solution) is supplied as a sterile, clear and colorless liquid in multiple-dose 5 mL polypropylene bottles with dropper tips and screw caps, packaged in a carton - NDC 24208-377-05.

Store MIEBO at 15°C to 25°C (59°F to 77°F). After opening, MIEBO can be used until the expiration date on the bottle.

17 PATIENT COUNSELING INFORMATION

Use with Contact Lenses

Advise patients that contact lenses should be removed prior to and for at least 30 minutes after administration of MIEBO.

Administration Instructions

Advise patients to instill one drop of MIEBO four times daily into each eye as depicted in the Administration Instructions [see Dosage and Administration (2.2)].

Distributed by: Bausch & Lomb Americas Inc. Bridgewater, NJ 08807 USA

Patented. See https://patents.bausch.com for US patent information.

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