



NDA 217171/S-003

SUPPLEMENT APPROVAL

Apellis Pharmaceuticals, Inc
Attention: Hanaa Shahin
Director, Regulatory Affairs
100 5th Avenue
3rd Floor
Waltham, MA 02451

Dear Hanaa Shahin:

Please refer to your Supplemental New Drug Application (sNDA) dated and received March 27, 2025, and your amendments, submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act (FDCA) for SYFOVRE (pegcetacoplan injection).

This Prior Approval supplemental new drug application provides for introduction of a co-pack configuration and updates to the US Prescribing Information (PI).

APPROVAL & LABELING

We have completed our review of this supplemental application, as amended. It is approved, effective on the date of this letter, for use as recommended in the enclosed agreed-upon labeling.

CONTENT OF LABELING

As soon as possible, but no later than 14 days from the date of this letter, submit the content of labeling [21 CFR 314.50(l)] in structured product labeling (SPL) format using the FDA automated drug registration and listing system (eLIST), as described at <http://www.fda.gov/ForIndustry/DataStandards/StructuredProductLabeling/default.htm>. Content of labeling must be identical to the enclosed labeling (text for the prescribing information) with the addition of any labeling changes in pending "Changes Being Effected" (CBE) supplements, as well as annual reportable changes not included in the enclosed labeling.

Information on submitting SPL files using eLIST may be found in the guidance for industry titled *SPL Standard for Content of Labeling Technical Qs and As* at <http://www.fda.gov/downloads/DrugsGuidanceComplianceRegulatoryInformation/Guidances/UCM072392.pdf>.

The SPL will be accessible via publicly available labeling repositories.

Also within 14 days, amend all pending supplemental applications that include labeling changes for this NDA, including CBE supplements for which FDA has not yet issued an action letter, with the content of labeling [21 CFR 314.50(l)(1)(i)] in MS Word format,

that includes the changes approved in this supplemental application, as well as annual reportable changes, and annotate each change. To facilitate review of your submission, provide a highlighted or marked-up copy that shows all changes, as well as a clean Microsoft Word version. The marked-up copy should provide appropriate annotations, including supplement number(s) and annual report date(s).

CARTON AND CONTAINER LABELS

Submit final printed carton and container labels that are identical to enclosed carton and container labels, as soon as they are available, but no more than 30 days after they are printed. Please submit these labels electronically according to the guidance for industry *Providing Regulatory Submissions in Electronic Format – Certain Human Pharmaceutical Product Applications and Related Submissions Using the eCTD Specifications*. For administrative purposes, designate this submission “**Product Correspondence – Final Printed Carton and Container Labels for approved NDA 217171/S-003.**” Approval of this submission by FDA is not required before the labeling is used.

REPORTING REQUIREMENTS

We remind you that you must comply with reporting requirements for an approved NDA (21 CFR 314.80 and 314.81).

If you have any questions, call Emma Gimose, Regulatory Business Process Manager, at Emma.Gimose@fda.hhs.gov or (240) 402 - 1681.

Sincerely,

{See appended electronic signature page}

Nina Ni, PhD
Supervisor
Division of Product Quality Assessment VII
Office of Product Quality Assessment II
Office of Pharmaceutical Quality
Center for Drug Evaluation and Research

Enclosures:

Content of Labeling
Carton and Container Labeling

HIGHLIGHTS OF PRESCRIBING INFORMATION

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

SYFOVRE® (pegcetacoplan injection), for intravitreal use
Initial U.S. Approval: 2021

RECENT MAJOR CHANGES

Dosage and Administration, Preparation for Administration (2.3) MM/2025
Contraindications, Hypersensitivity (4.3) 12/2024

INDICATIONS AND USAGE

SYFOVRE is a complement inhibitor indicated for the treatment of geographic atrophy (GA) secondary to age-related macular degeneration (AMD). (1)

DOSAGE AND ADMINISTRATION

The recommended dose for SYFOVRE is 15 mg (0.1 mL of 150 mg/mL solution) administered by intravitreal injection to each affected eye once every 25 to 60 days. (2.2)

DOSAGE FORMS AND STRENGTHS

Injection: 150 mg/mL in a single-dose vial. (3)

CONTRAINDICATIONS

- Ocular or Periocular Infections (4.1)
- Active Intraocular Inflammation (4.2)
- Hypersensitivity (4.3)

WARNINGS AND PRECAUTIONS

- Endophthalmitis and Retinal Detachments (5.1)
- Retinal Vasculitis and/or Retinal Vascular Occlusion (5.2)
- Neovascular AMD (5.3)
- Intraocular inflammation (5.4)
- Increased Intraocular Pressure (5.5)

ADVERSE REACTIONS

Most common adverse reactions (incidence ≥5%) are ocular discomfort, neovascular age-related macular degeneration, vitreous floaters, and conjunctival hemorrhage. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Apellis Pharmaceuticals, Inc. at 1-833-866-3346 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION.

Revised: MM/2025

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* Sections or subsections omitted from the full prescribing information are not listed.

FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

SYFOVRE is indicated for the treatment of geographic atrophy (GA) secondary to age-related macular degeneration (AMD).

2 DOSAGE AND ADMINISTRATION

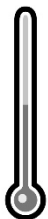
2.1 General Dosing Information

SYFOVRE must be administered by a qualified physician.

2.2 Recommended Dosage

The recommended dose for SYFOVRE is 15 mg (0.1 mL of 150 mg/mL solution) administered by intravitreal injection to each affected eye once every 25 to 60 days.

2.3 Preparation for Administration



Store SYFOVRE in the refrigerator between 2°C to 8°C (36°F to 46°F); Keep the vial in the original carton to protect from light.

SYFOVRE is available packaged as follows:

- Vial Only
- Vial Kit with Injection Components (filter needle, syringe, injection needle)



Remove the carton from the refrigerator. Keep the vial in the original carton at room temperature 20°C to 25°C (68°F to 77°F), for at least 15 minutes prior to injection, but no longer than 8 hours. Fill the syringe immediately prior to the injection.



Do not shake the vial.

The vial is for use in a single eye.

Inspect the solution. It is a clear, colorless to light yellow aqueous solution.



Do not use if:

- particulates, cloudiness, or discoloration are visible,
- the vial shows signs of damage or tampering,
- the expiration date has passed
- the packaging or components show signs of damage or tampering

STEP 1

Gather the supplies needed:

- One SYFOVRE vial
 - One sterile 5-micron filter needle
 - One sterile 1-mL Luer-lock syringe with a 0.1 mL dose mark
 - One sterile ½ inch: 29-gauge (extra) thin-wall injection needle with Luer-lock hub (**included with vial kit**) or a 27-gauge needle with Luer-lock hub (**not included**)
- Note:** Increased injection forces and/or increased injection time could be experienced if a smaller diameter injection needle is used (e.g., 30-gauge)
- Alcohol swab (**not included**)

Use aseptic technique to carry out the following preparation steps:

STEP 2

Remove the flip-off cap from the vial (see Figure 1a) and clean the vial septum with an alcohol swab and wait for the alcohol to dry out (see Figure 1b).

Figure 1a:

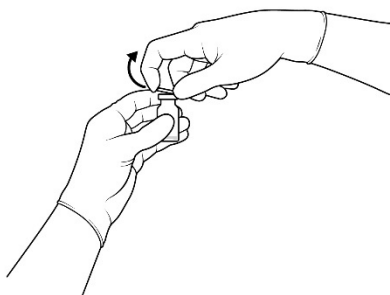
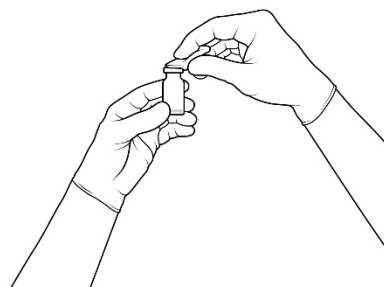


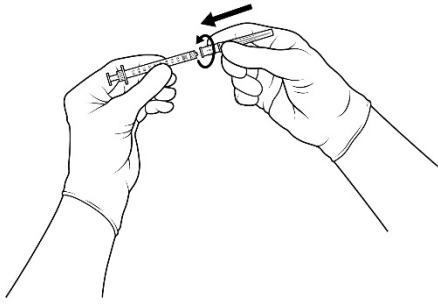
Figure 1b:



STEP 3

Attach the 5-micron filter needle onto a 1-mL Luer-lock syringe (see Figure 2) by twisting it onto the Luer-lock syringe tip.

Figure 2:



STEP 4

Push the filter needle into the center of the vial septum until the needle is submerged in the drug product to prevent withdrawal of air (see Figure 3a). To withdraw the entire contents of the vial into the syringe, hold the vial at a slightly inclined position. Withdraw the drug product slowly to prevent air bubbles. Continue to tilt the vial during withdrawal keeping the bevel of the filter needle submerged in the liquid until all of the fluid is withdrawn from the vial (see Figure 3b). ***Do not** tap the syringe to remove air bubbles. While maintaining the filter needle within the vial, invert the syringe and move the plunger down and up until bubbles move to the top (see Figure 3c).

Figure 3a:

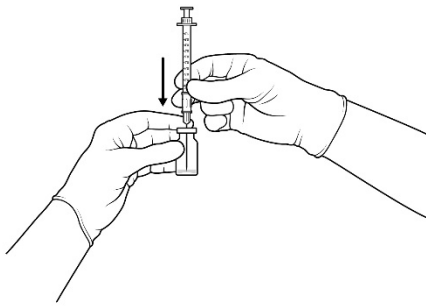


Figure 3b:

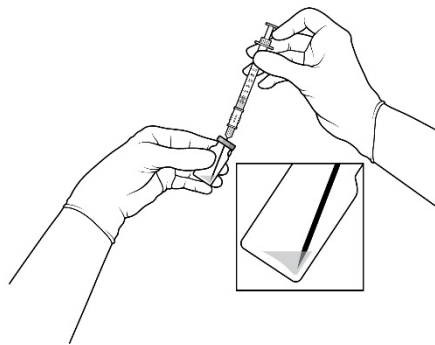
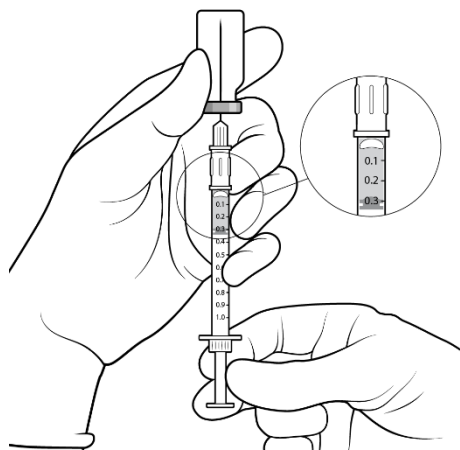


Figure 3c:



STEP 5

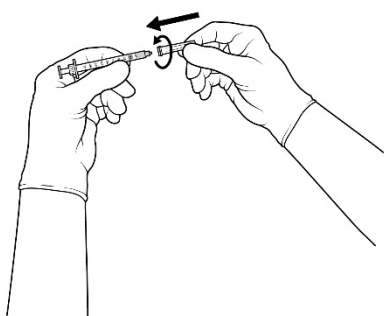
Using aseptic technique, disconnect the filter needle from the syringe and dispose of it.

Do not use the filter needle for injection.

STEP 6

Aseptically and firmly attach the injection needle onto the 1-mL Luer-lock syringe (see Figure 4).

Figure 4:



STEP 7

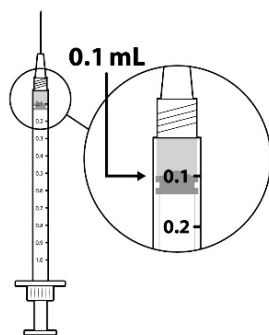
Check for air bubbles by holding the syringe with the needle pointing up. ***Do not** tap the syringe to remove air bubbles.

If there are any air bubbles, remove the needle cap and with the needle end facing up gently advance the plunger to the 0.1 mL dose mark (see Figure 5).

Only 0.1 mL (15 mg of SYFOVRE) should be administered to deliver a single dose. Any excess volume should be disposed.

The syringe is ready for injection.

Figure 5:



2.4 Injection Procedure

Only 0.1 mL (15 mg of SYFOVRE) should be administered to deliver a single dose. Any excess volume should be disposed. Ensure that the injection is given **immediately** after the preparation of the dose.

Prior to the intravitreal injection, patients should be monitored for elevated intraocular pressure (IOP) using tonometry [see *Warnings and Precautions* (5.4)]. If necessary, ocular hypotensive medication can be given to lower the IOP.

The intravitreal injection procedure should be carried out under aseptic conditions, which includes the use of surgical hand disinfection, sterile gloves, a sterile drape, and a sterile eyelid speculum (or equivalent). Adequate anesthesia and a broad-spectrum topical microbicide to disinfect the periocular skin, eyelid, and ocular surface should be administered prior to the injection.

Inject slowly until the rubber stopper reaches the end of the syringe to deliver the volume of 0.1 mL. Confirm delivery of the full dose by checking that the rubber stopper has reached the end of the syringe barrel.

Immediately following the intravitreal injection, patients should be monitored for elevations in IOP. Additional evaluation may include checking for perfusion of the optic nerve head and tonometry.

Following intravitreal injection patients should be instructed to report any symptoms suggestive of endophthalmitis (e.g., eye pain, redness of the eye, photophobia, blurring of vision) without delay [see *Patient Counseling Information* (17)].

Each vial should only be used for the treatment of a single eye. If the fellow eye requires treatment, a new sterile, vial should be used and the sterile field, syringe, gloves, drapes, eyelid speculum, filter, and injection needles should be changed before SYFOVRE administration. Repeat same procedure steps as above.

Any unused medicinal product or waste material should be disposed of in accordance with local regulations.

3 DOSAGE FORMS AND STRENGTHS

Injection: 150 mg/mL, clear, colorless to light yellow aqueous solution in a single-dose vial for administration of a single 0.1 mL dose.

4 CONTRAINDICATIONS

4.1 Ocular or Periocular Infections

SYFOVRE is contraindicated in patients with ocular or periocular infections [see *Warnings and Precautions* (5.1)].

4.2 Active Intraocular Inflammation

SYFOVRE is contraindicated in patients with active intraocular inflammation.

4.3 Hypersensitivity

SYFOVRE is contraindicated in patients with hypersensitivity to pegcetacoplan or to any of the excipients in SYFOVRE. Systemic hypersensitivity reactions (e.g., anaphylaxis, rash, urticaria) have occurred in patients treated with SYFOVRE [see *Adverse Reactions* (6.2)].

5 WARNINGS AND PRECAUTIONS

5.1 Endophthalmitis and Retinal Detachments

Intravitreal injections, including those with SYFOVRE, may be associated with endophthalmitis and retinal detachments [see *Adverse Reactions* (6.1)]. Proper aseptic injection technique must always be used when administering SYFOVRE in order to minimize the risk of endophthalmitis [see *Dosage and Administration* (2.4)]. Patients should be instructed to report any symptoms suggestive of endophthalmitis or retinal detachment without delay and should be managed appropriately.

5.2 Retinal Vasculitis and/or Retinal Vascular Occlusion

Retinal vasculitis and/or retinal vascular occlusion, typically in the presence of intraocular inflammation, have been reported with the use of SYFOVRE [see *Adverse Reactions* (6.2)]. Cases may occur with the first dose of SYFOVRE and may result in severe vision loss. Discontinue treatment with SYFOVRE in patients who develop these events. Patients should be instructed to report any change in vision without delay.

5.3 Neovascular AMD

In clinical trials, use of SYFOVRE was associated with increased rates of neovascular (wet) AMD or choroidal neovascularization (12% when administered monthly, 7% when administered every other month and 3% in the control group) by Month 24. Patients receiving SYFOVRE should be monitored for signs of neovascular AMD. In case anti-Vascular Endothelial Growth Factor (anti-VEGF) is required, it should be given separately from SYFOVRE administration.

5.4 Intraocular Inflammation

In clinical trials, use of SYFOVRE was associated with episodes of intraocular inflammation including: vitritis, vitreal cells, iridocyclitis, uveitis, anterior chamber cells, iritis, and anterior chamber flare. After inflammation resolves patients may resume treatment with SYFOVRE.

5.5 Increased Intraocular Pressure

Acute increase in IOP may occur within minutes of any intravitreal injection, including with SYFOVRE. Perfusion of the optic nerve head should be monitored following the injection and managed as needed [see *Dosage and Administration* (2.4)].

6 ADVERSE REACTIONS

The following clinically significant adverse reactions are described elsewhere in the labeling:

- Ocular and periocular infections [see *Contraindications* (4.1)]
- Active intraocular inflammation [see *Contraindications* (4.2)]
- Hypersensitivity [see *Contraindications* (4.3)]
- Endophthalmitis and retinal detachments [see *Warnings and Precautions* (5.1)]
- Retinal Vasculitis and/or Retinal Vascular Occlusion [see *Warnings and Precautions* (5.2)]
- Neovascular AMD [see *Warnings and Precautions* (5.3)]
- Intraocular inflammation [see *Warnings and Precautions* (5.4)]

- Increased intraocular pressure [see *Warnings and Precautions* (5.5)]

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the 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.

A total of 839 patients with GA in two Phase 3 studies (OAKS and DERBY) were treated with intravitreal SYFOVRE, 15 mg (0.1 mL of 150 mg/mL solution). Four hundred nineteen (419) of these patients were treated in the affected eye monthly and 420 were treated in the affected eye every other month. Four hundred seventeen (417) patients were assigned to sham.

The most common adverse reactions ($\geq 5\%$) reported in patients receiving SYFOVRE were ocular discomfort, neovascular age-related macular degeneration, vitreous floaters, and conjunctival hemorrhage.

Table 1: Adverse Reactions in Study Eye Reported in $\geq 2\%$ of Patients Treated with SYFOVRE Through Month 24 in Studies OAKS and DERBY

Adverse Reactions	PM (N = 419) %	PEOM (N = 420) %	Sham Pooled (N = 417) %
Ocular discomfort*	13	10	11
Neovascular age-related macular degeneration*	12	7	3
Vitreous floaters	10	7	1
Conjunctival hemorrhage	8	8	4
Vitreous detachment	4	6	3
Retinal hemorrhage	4	5	3
Punctate keratitis*	5	3	<1
Posterior capsule opacification	4	4	3
Intraocular inflammation*	4	2	<1
Intraocular pressure increased	2	3	<1

PM: SYFOVRE monthly; PEOM: SYFOVRE every other month

*The following reported terms were combined:

Ocular discomfort included: eye pain, eye irritation, foreign body sensation in eyes, ocular discomfort, abnormal sensation in eye

Neovascular age-related macular degeneration included: exudative age-related macular degeneration, choroidal neovascularization

Punctate keratitis included: punctate keratitis, keratitis

Intraocular inflammation included: vitritis, vitreal cells, iridocyclitis, uveitis, anterior chamber cells, iritis, anterior chamber flare

Endophthalmitis, retinal detachment, hyphema and retinal tears were reported in less than 1% of patients.

Optic ischemic neuropathy was reported in 1.7% of patients treated monthly, 0.2% of patients treated every other month and 0.0% of patients assigned to sham. Deaths were reported in 6.7% of patients treated monthly, 3.6% of patients treated every other month and 3.8% of patients assigned to sham. The rates and causes of death were consistent with the elderly study population.

6.2 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of SYFOVRE. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Eye disorders: retinal vasculitis with or without retinal vascular occlusion.

Systemic reactions: anaphylaxis, rash, and urticaria.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

There are no adequate and well-controlled studies of SYFOVRE administration in pregnant women to inform a drug-associated risk. The use of SYFOVRE may be considered following an assessment of the risks and benefits.

Systemic exposure of SYFOVRE following ocular administration is low [*see Clinical Pharmacology (12.3)*]. Subcutaneous administration of pegcetacoplan to pregnant monkeys from the mid gestation period through birth resulted in increased incidences of abortions and stillbirths at systemic exposures 1040-fold higher than that observed in humans at the maximum recommended human ophthalmic dose (MRHOD) of SYFOVRE (based on the area under the curve (AUC) systemically measured levels). No adverse maternal or fetal effects were observed in monkeys at systemic exposures approximately 470-fold higher than that observed in humans at the MRHOD (*see Data*).

In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

Data

Animal Data

In embryofetal development studies, subcutaneous administration of pegcetacoplan to pregnant cynomolgus monkeys from the mid gestation period through birth produced increased incidences of abortions and stillbirths at doses of 28 mg/kg/day [approximately 1040-fold higher than the MRHOD based on exposure (AUC)]. Pegcetacoplan was not maternally toxic and did not produce adverse embryofetal effects in the monkey at subcutaneous doses of 7 mg/kg/day. (approximately 470-fold higher than the MRHOD). No developmental effects were observed in infants up to 6 months postpartum. Minimal systemic exposure to pegcetacoplan (less than 1%, not pharmacologically significant) was detected in fetuses from monkeys treated subcutaneously with 28 mg/kg/day from the period of organogenesis through the second trimester.

8.2 Lactation

Risk Summary

It is not known whether intravitreal administered pegcetacoplan is secreted in human milk or whether there is potential for absorption and harm to the infant. Animal data suggest that the risk of clinically relevant exposure to the infant following maternal intravitreal treatment is minimal (*see Data*). Because many drugs are excreted in human milk, and because the potential for absorption and harm to infant growth and development exists, caution should be exercised when SYFOVRE is administered to a nursing woman.

Data

Animal Data

Pegcetacoplan was detectable in milk of lactating monkeys after subcutaneous administration at less than 1% concentration of serum levels but was not detectable in the serum of nursing infants.

8.3 Females and Males of Reproductive Potential

Contraception

Females

It is recommended that women of childbearing potential use effective contraception methods to prevent pregnancy during treatment with intravitreal pegcetacoplan. Advise female patients of reproductive potential to

use effective contraception during treatment with SYFOVRE and for 40 days after the last dose. For women planning to become pregnant, the use of SYFOVRE may be considered following an assessment of the risks and benefits.

8.4 Pediatric Use

The safety and effectiveness of SYFOVRE in pediatric patients have not been established.

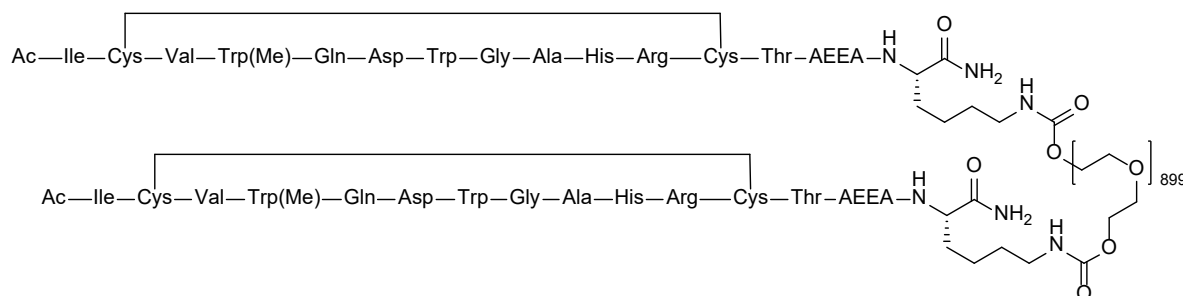
8.5 Geriatric Use

In clinical studies, approximately 97% (813/839) of patients randomized to treatment with SYFOVRE were ≥ 65 years of age and approximately 72% (607/839) were ≥ 75 years of age. No significant differences in efficacy or safety were seen with increasing age in these studies. No dosage regimen adjustment is recommended based on age.

11 DESCRIPTION

SYFOVRE contains pegcetacoplan, a complement inhibitor. Pegcetacoplan is a symmetrical molecule composed of two identical pentadecapeptides covalently bound to the ends of a linear 40 kiloDalton (kDa) polyethylene glycol (PEG) molecule. The peptide portions of pegcetacoplan contain 1-methyl-L-tryptophan (Trp(Me)) in position 4 and amino (ethoxyethoxy) acetic acid (AEEA) in position 14.

The molecular weight of pegcetacoplan is approximately 43.5 kDa. The molecular formula is $C_{1970}H_{3848}N_{50}O_{947}S_4$. The structure of pegcetacoplan is shown below.



SYFOVRE (pegcetacoplan injection) is a sterile, clear, colorless to light yellow aqueous solution in a single-dose vial for intravitreal use. Each vial allows for the delivery of 0.1 mL of solution containing 15 mg pegcetacoplan, trehalose dihydrate (5.95 mg), glacial acetic acid (0.0895 mg), sodium acetate trihydrate (0.0353 mg), and Water for Injection. SYFOVRE may also contain sodium hydroxide and/or additional glacial acetic acid for adjustment to a target pH of 5.0. SYFOVRE does not contain an anti-microbial preservative.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Pegcetacoplan binds to complement protein C3 and its activation fragment C3b with high affinity thereby regulating the cleavage of C3 and the generation of downstream effectors of complement activation

12.2 Pharmacodynamics

Cardiac Electrophysiology

Subcutaneous (SC) dosing of pegcetacoplan did not result in QT prolongation. Systemic exposures following intravitreal (IVT) administration are much lower than with SC administration, therefore QT prolongation following IVT pegcetacoplan is not expected.

12.3 Pharmacokinetics

SYFOVRE is administered directly into the vitreous to exert local effects in the eye.

Following repeat intravitreal administration of pegcetacoplan at a dose of 15 mg, geometric mean (%CV) serum C_{\max} value at steady state was 2.2 µg/mL (28.7%) and 1.5 µg/mL (58.1%) for GA patients dosed monthly and every other month, respectively. The steady state geometric mean (%CV) serum trough concentrations were 1.0 µg/mL (52.3%) and 0.2 µg/mL (89.6%) for patients treated monthly and every other month, respectively.

Absorption

Following intravitreal administration of pegcetacoplan, the systemic median T_{\max} of pegcetacoplan is between 7 and 14 days. Following intravitreal treatment, systemic exposure of pegcetacoplan increases approximately proportionally over a dosage range from 4 to 20 mg.

Distribution

The geometric mean (95%CI) volume of distribution of pegcetacoplan is approximately 1.85 L (1.62 - 2.12) in patients with GA following intravitreal administration.

Elimination

The estimated geometric mean (%CV) of clearance (CL) is 0.284 L/day (21.1%) and geometric mean half-life of elimination ($t_{1/2}$) is 4.5 days (21.1%) in patients with GA.

Metabolism

Pegcetacoplan is expected to be metabolized into small peptides and amino acids by catabolic pathways.

Specific Populations

There were no clinically significant differences on the pharmacokinetics of pegcetacoplan intravitreal administration based on age (60 to 97 years old), gender, renal impairment, and hepatic function as evaluated by total bilirubin (0.05-1.7 mg/dL), albumin (2.96-5.38 g/dL), aspartate aminotransferase (8.7-101 IU/L), or alanine aminotransferase (5.9-136 IU/L).

12.6 Immunogenicity

The observed incidence of anti-drug antibodies (ADA) is highly dependent on the sensitivity and specificity of the assay. Difference in assay methods preclude meaningful comparisons of the incidence of ADA in the studies described below with the incidence of ADA in other studies.

In the 24-month period in studies OAKS and DERBY, the incidence of anti-pegcetacoplan peptide antibodies in patients treated with pegcetacoplan was 4% (18/415 evaluable patients) and 2.5% (10/404 evaluable patients), respectively. Because of the low incidence of anti-pegcetacoplan peptide antibodies, the effect of these antibodies on the pharmacokinetics, pharmacodynamics, safety, and/or effectiveness of pegcetacoplan is unknown.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Animal carcinogenicity studies of pegcetacoplan have not been conducted.

Mutagenesis

Pegcetacoplan was not mutagenic when tested in in vitro bacterial reverse mutation (Ames) assays and was not genotoxic in an in vitro assay in human TK6 cells or in an in vivo micronucleus assay in mice.

Impairment of Fertility

There are no fertility data in humans or animals. There were no microscopic abnormalities in male or female reproductive organs in toxicity studies in rabbits and monkeys indicative of an impact of pegcetacoplan on fertility.

14 CLINICAL STUDIES

The safety and efficacy of SYFOVRE were assessed in two multi-center, randomized, sham-controlled studies in patients with GA (atrophic nonexudative age-related macular degeneration), with or without subfoveal involvement, secondary to AMD in a total of 1258 randomized patients (SYFOVRE 839 patients, sham 419 patients). Studies OAKS (APL2-304; NCT03525613) and DERBY (APL2-303; NCT03525600) were 24 months in duration, in which patients received treatment for the entire length of the study.

Patient ages ranged from 60 to 100 years with a mean of 78.7 years. Mean (standard deviation) total area of GA lesions(s) at baseline in the study eye (in mm²) were 8.23 (3.83) and 8.29 (4.11) for OAKS and DERBY respectively.

In each study, patients were randomly assigned in a 2:2:1:1 ratio to 1 of 4 dosing regimens:

- 1) SYFOVRE administered at 15 mg/0.1 mL monthly;
- 2) SYFOVRE administered at 15 mg/0.1 mL every other month;
- 3) sham administered monthly;
- 4) sham administered every other month.

In OAKS, 31% of patients in the monthly group, 21% of patients in the every other month and 25% of the patients assigned to sham discontinued treatment prior to Month 24. In DERBY, 29% of patients in the monthly group, 22% of patients in the every other month and 21% of the patients assigned to sham discontinued treatment prior to Month 24.

There was a reduction in the mean rate of GA lesion growth observed in both studies.

Detailed results are shown in Table 2 and Figures 1 and 2.

Table 2: Analysis of Change from Baseline in Study Eye GA Lesion Area Measured by FAF in Studies OAKS and DERBY

TABLE 1

Time Period	Group	Rate of GA Lesion Area Growth (mm ²) [‡]		
		Slope (SE)	Difference (95% CI) in Slope from Sham Pooled	Percent Difference from Sham Pooled
OAKS (PM: N=202; PEOM: N=205; Sham Pooled: N=207)				
Baseline to Month 24*	PM	3.11 (0.148)	-0.87 (-1.27 to -0.47)	-21.9%
	PEOM	3.26 (0.134)	-0.72 (-1.10 to -0.33)	-18.1%
	Sham Pooled	3.98 (0.143)	NA	
Baseline to Month 6	PM	0.76 (0.046)	-0.22 (-0.35 to -0.09)	-22.7%
	PEOM	0.82 (0.043)	-0.16	-16.4%

Time Period	Group	Rate of GA Lesion Area Growth (mm ²) [‡]		
		Slope (SE)	Difference (95% CI) in Slope from Sham Pooled	Percent Difference from Sham Pooled
			(−0.29 to −0.04)	
	Sham Pooled	0.98 (0.047)	NA	
Month 6 to Month 12	PM	0.78 (0.060)	−0.19 (−0.34 to −0.03)	−19.2%
	PEOM	0.82 (0.057)	−0.15 (−0.30 to −0.00)	−15.7%
	Sham Pooled	0.97 (0.052)	NA	
Month 12 to Month 18	PM	0.80 (0.050)	−0.23 (−0.37 to −0.08)	−22.1%
	PEOM	0.87 (0.050)	−0.16 (−0.30 to −0.02)	−15.4%
	Sham Pooled	1.03 (0.053)	NA	
Month 18 to Month 24	PM	0.76 (0.067)	−0.23 (−0.41 to −0.06)	−23.5%
	PEOM	0.75 (0.044)	−0.25 (−0.39 to −0.10)	−24.7%
	Sham Pooled	1.00 (0.058)	NA	
DERBY (PM: N=201; PEOM: N=201; Sham Pooled: N=195)				
Baseline to Month 24*	PM	3.28 (0.125)	−0.73 (−1.14 to −0.31)	−18.1%
	PEOM	3.31 (0.129)	−0.70 (−1.11 to −0.28)	−17.4%
	Sham Pooled	4.00 (0.169)	NA	
Baseline to Month 6	PM	0.91 (0.048)	−0.05 (−0.19 to 0.08)	−5.7%
	PEOM	0.88 (0.047)	−0.08 (−0.21 to 0.05)	−8.2%
	Sham Pooled	0.96 (0.050)	NA	
Month 6 to Month 12	PM	0.84 (0.051)	−0.17 (−0.33 to −0.02)	−17.0%
	PEOM	0.85 (0.051)	−0.17 (−0.32 to −0.01)	−16.4%
	Sham Pooled	1.01 (0.060)	NA	
Month 12 to Month 18	PM	0.90 (0.049)	−0.14 (−0.29 to 0.00)	−13.8%
	PEOM	0.88 (0.051)	−0.17 (−0.32 to −0.02)	−16.0%
	Sham Pooled	1.05 (0.056)	NA	
Month 18 to Month 24	PM	0.63 (0.068)	−0.35 (−0.52 to −0.18)	−36.1%
	PEOM	0.69 (0.053)	−0.28 (−0.43 to −0.14)	−29.1%

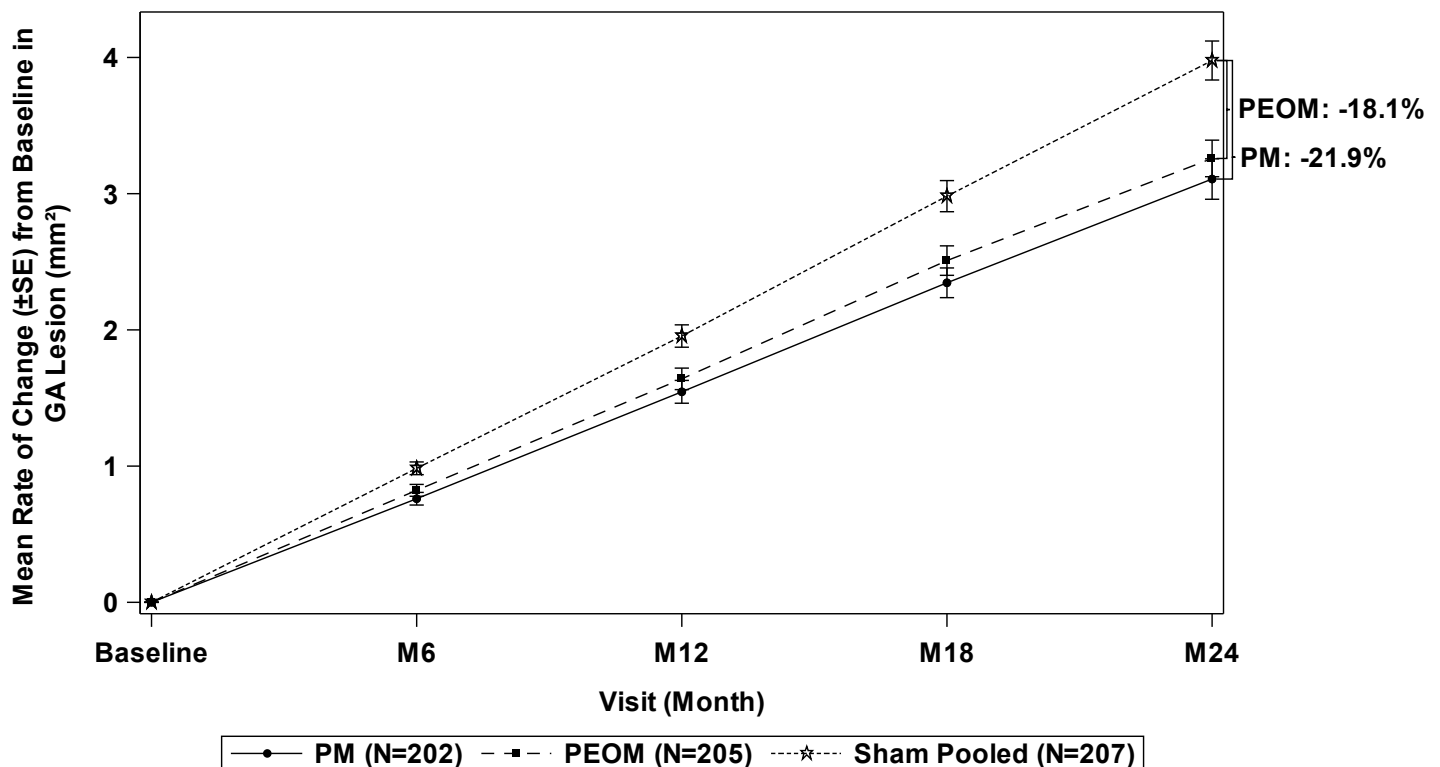
Time Period	Group	Rate of GA Lesion Area Growth (mm ²) [‡]		
		Slope (SE)	Difference (95% CI) in Slope from Sham Pooled	Percent Difference from Sham Pooled
	Sham Pooled	0.98 (0.055)	NA	

GA: Geographic atrophy; FAF: fundus autofluorescence; PM: SYFOVRE monthly; PEOM: SYFOVRE every other month; SE: standard error; CI: confidence interval

[‡]Based on a mixed effects model for repeated measures assuming a piecewise linear trend in time with knots at Month 6, Month 12, and Month 18. The model included effects for treatment, baseline GA lesion area (<7.5 mm² or ≥7.5 mm²), time terms, presence of choroidal neovascularization in the fellow eye (yes or no), time terms by treatment interactions, and time terms by baseline GA lesion area (<7.5 mm² or ≥7.5 mm²) interactions. Time terms include a linear effect of time for each 6-month time period.

*Slope for baseline to Month 24 is an average of slope of baseline to Month 6, Month 6 to Month 12, Month 12 to Month 18, and Month 18 to Month 24.

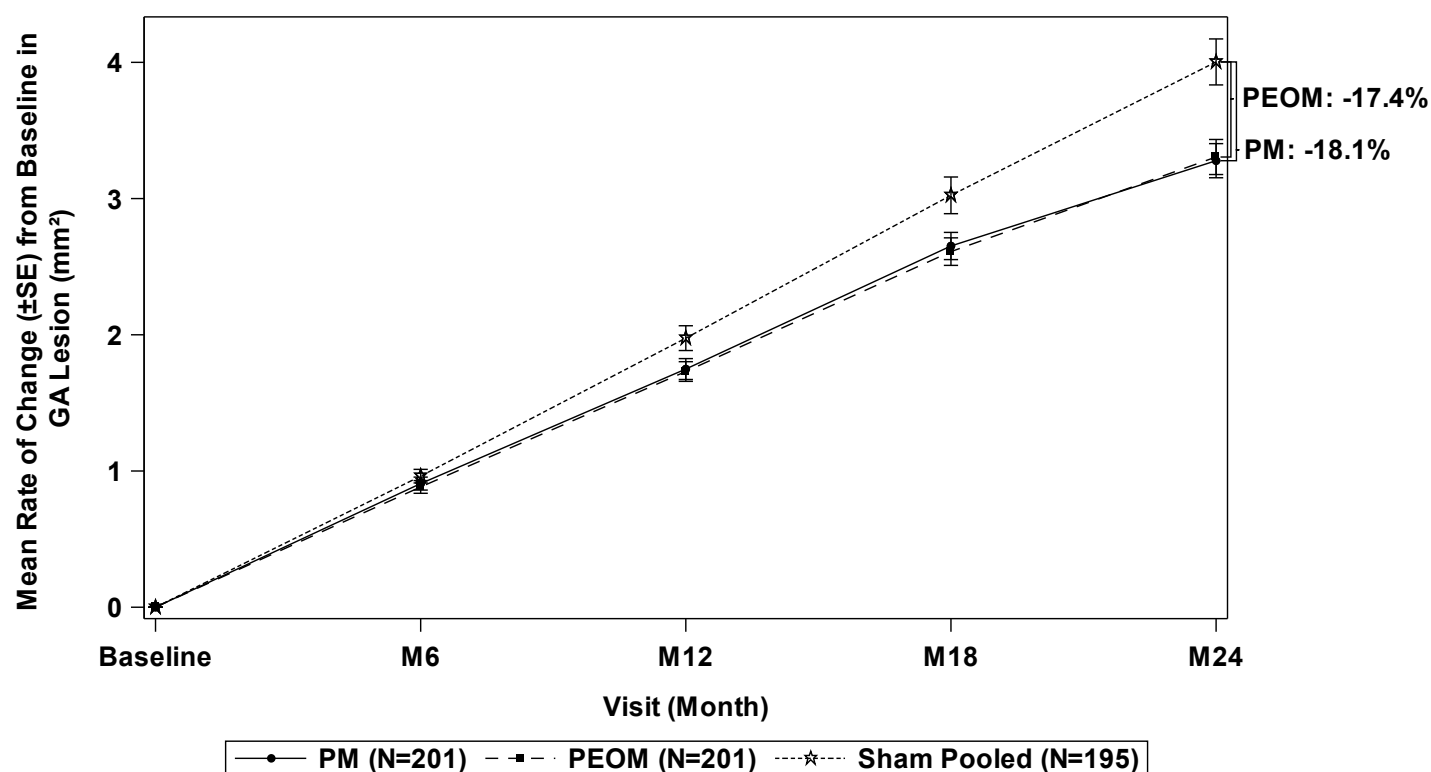
Figure 1: Mean Rate of Change from Baseline in Study Eye GA Lesion Area Measured by FAF in OAKS



GA: Geographic atrophy; FAF: fundus autofluorescence; PM: SYFOVRE monthly; PEOM: SYFOVRE every other month; SE: standard error.

Based on a mixed effects model for repeated measures assuming a piecewise linear trend in time with knots at Month 6, Month 12, and Month 18. The model included effects for treatment, baseline GA lesion area (<7.5 mm² or ≥7.5 mm²), time terms, presence of choroidal neovascularization in the fellow eye (yes or no), time terms by treatment interactions, and time terms by baseline GA lesion area (<7.5 mm² or ≥7.5 mm²) interactions. Time terms include a linear effect of time for each 6-month time period.

Figure 2: Mean Rate of Change from Baseline in Study Eye GA Lesion Area Measured by FAF in DERBY



GA: Geographic atrophy; FAF: fundus autofluorescence; PM: SYFOVRE monthly; PEOM: SYFOVRE every other month; SE: standard error.

Based on a mixed effects model for repeated measures assuming a piecewise linear trend in time with knots at Month 6, Month 12, and Month 18. The model included effects for treatment, baseline GA lesion area ($<7.5 \text{ mm}^2$ or $\geq 7.5 \text{ mm}^2$), time terms, presence of choroidal neovascularization in the fellow eye (yes or no), time terms by treatment interactions, and time terms by baseline GA lesion area ($<7.5 \text{ mm}^2$ or $\geq 7.5 \text{ mm}^2$) interactions. Time terms include a linear effect of time for each 6-month time period.

16 HOW SUPPLIED/STORAGE AND HANDLING

16.1 How Supplied

SYFOVRE (pegcetacoplan injection) is supplied as a clear, colorless to light yellow aqueous solution. Each glass vial contains an overfill amount to allow for administration of a single 0.1 mL dose of solution containing 15 mg of SYFOVRE.

SYFOVRE packaging options are included in Table 3.

Table 3: Packaging Options

NDC Number	Carton Type	Carton Contents
73606-020-02	Vial Kit with Injection Components	<ul style="list-style-type: none"> • One SYFOVRE vial • One sterile 5-micron filter needle • One sterile 1-mL Luer-lock syringe with a 0.1 mL dose mark • One sterile ½ inch: 29-gauge extra thin-wall injection needle with Luer-lock • One prescribing information

73606-020-01	Vial Only	<ul style="list-style-type: none"> • One SYFOVRE vial • One prescribing information
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16.2 Storage and Handling

Refrigerate SYFOVRE between 2°C to 8°C (36°F to 46°F). Store the vial in the original carton to protect from light.

Do not use beyond the expiration date on the carton.

Do not shake.

17 PATIENT COUNSELING INFORMATION

Advise patients that following SYFOVRE administration, patients are at risk of developing endophthalmitis, retinal detachments, retinal vasculitis with or without retinal vascular occlusion and neovascular AMD. If the eye becomes red, sensitive to light, painful, or if a patient develops any change in vision such as flashing lights, blurred vision or metamorphopsia, instruct the patient to seek immediate care from an ophthalmologist [*see Warnings and Precautions (5.1, 5.2, 5.3)*].

Patients may experience temporary visual disturbances associated either with the intravitreal injection with SYFOVRE or the eye examination [*see Adverse Reactions (6.1)*]. Advise patients not to drive or use machinery until visual function has recovered sufficiently.

Manufactured for:

Apellis Pharmaceuticals, Inc.

100 Fifth Avenue

Waltham, MA 02451

For patent information: www.apellis.com/productpatent

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SYFOVRE is a registered trademark of Apellis Pharmaceuticals, Inc.

SYF-PI-DDMMMYYYY-X.0

(0.1 mL of 150 mg/mL solution)

15 mg

SYFOVRE[®]
(pegcetacoplan injection)

Manufactured for: Apellis Pharmaceuticals, Inc., 100 Fifth Avenue, Waltham, MA 02451.

Apellis

EACH CARTON CONTAINS:
• One single-dose vial
• One sterile single-dose syringe
• One filter needle
• One needle for injection
• Prescribing Information

For Intravitreal Use. Discard unused portion.

15 mg (0.1 mL of 150 mg/mL solution)

SYFOVRE[®]
(pegcetacoplan injection)

NDC 73606-020-02

Rx Only



GTIN 00373606020018
SN XXXXXXXXX
LOT XXXXXXXX
EXP YYYYMMDD

5000XXX

Rx Only

EACH VIAL CONTAINS: Each vial is designed to deliver 0.1 mL of solution containing 15 mg of pegcetacoplan, trehalose dihydrate (5.95 mg), glacial acetic acid (0.0895 mg), sodium acetate trihydrate (0.0353 mg), and water for injection. SYFOVRE may also contain sodium hydroxide and/or additional glacial acetic acid for adjustment to a target pH of 5.0. Contains no preservatives.



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SYFOVRE[®]
(pegcetacoplan injection)

15 mg (0.1 mL of 150 mg/mL solution)

Dosage and Administration: See Prescribing Information. Store refrigerated at 2°C to 8°C (36°F to 46°F) in the original carton to protect from light.

SYFOVRE[®]
(pegcetacoplan injection)

15 mg (0.1 mL of 150 mg/mL solution)

Rx Only

NDC 73606-020-02



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