

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549  
**FORM S-8**  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933

**OCUPHIRE PHARMA, INC.**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other jurisdiction of  
incorporation or organization)

**11-3516358**

(I.R.S. Employer Identification No.)

**37000 Grand River  
Avenue, Suite 120  
Farmington Hills, MI**

(Address of principal executive  
offices)

**48335**

(Zip code)

**Ocuphire Pharma, Inc. 2020 Equity Incentive Plan**

(Full title of the plan)

**Mina Sooch**

**President and Chief Executive Officer**

**Ocuphire Pharma, Inc.**

**37000 Grand River Avenue, Suite 120**

**Farmington Hills, MI 48335**

**(248) 681-9815**

(Name, address, and telephone number, including area code, of agent for service)

**Copy to:**

**Phillip D. Torrence, Esq.**

**Emily J. Johns, Esq.**

**Honigman LLP**

**650 Trade Center Way, Suite 200**

**Kalamazoo, Michigan 49002-0402**

**(269) 337-7700**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer  Accelerated filer

Non-accelerated filer  Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

## EXPLANATORY NOTE

This Registration Statement on Form S-8 is being filed by Ocuphire Pharma, Inc. (the “*Company*” or “*Registrant*” for the purpose of registering an additional 942,291 shares of Common Stock issuable pursuant to the Ocuphire Pharma, Inc. 2020 Equity Incentive Plan (the “*Equity Incentive Plan*”).

Pursuant to General Instruction E to Form S-8, this Registration Statement is being filed for the purpose of increasing the number of securities of the same class as other securities for which a Registration Statement of the Company on Form S-8 relating to the Equity Incentive Plan is effective, and the Company’s Registration Statements on Form S-8 previously filed with the Securities and Exchange Commission (the “*Commission*”) on November 9, 2020 (File No. 333-249978) and March 31, 2021 (File No. 333-254923) registering shares of Common Stock issuable under the Equity Incentive Plan are incorporated by reference in this Registration Statement.

### PART II INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

#### Item 3. Incorporation of Documents By Reference.

The following documents filed with the Commission by the Registrant are hereby incorporated by reference in this Registration Statement:

- (a) the Registrant’s Annual Report on Form 10-K filed on [March 24, 2022](#);
- (b) the Registrant’s Current Reports on Form 8-K filed on [January 31, 2022](#) and [March 29, 2022](#); and
- (c) the description of the Company’s Common Stock contained in the Company’s Form 8-A (File No. 001-34079), as filed with the Commission pursuant to Sections 12(b) and 12(g) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), on [May 23, 2008](#).

In addition, all documents the Registrant subsequently files pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the filing of this Registration Statement and prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities covered hereby then remaining unsold are incorporated by reference in this Registration Statement and are a part hereof from the date of filing of such documents. Notwithstanding anything herein, the Registrant is not incorporating by reference any information furnished under Item 2.02 or Item 7.01 of any Current Report on Form 8-K, unless, and to the extent, specified in any such Current Report on Form 8-K.

Any statement herein or contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein, or in any subsequently filed document, which also is or is deemed to be incorporated by reference herein, modifies or supersedes such prior statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute part of this Registration Statement.

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**Item 8. Exhibits.****INDEX TO EXHIBITS**

| <b>Exhibit<br/>Number</b>   | <b>Description</b>  |
|-----------------------------|---|
| <a href="#"><u>4.1</u></a>  | Amended and Restated Certificate of Incorporation (incorporated by reference to Appendix G to the Company's Definitive Proxy Statement on Schedule 14A filed on April 29, 2005)                 |
| <a href="#"><u>4.2</u></a>  | Certificate of Amendment of Amended and Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed on May 5, 2017)      |
| <a href="#"><u>4.3</u></a>  | Certificate of Amendment of Amended and Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed on August 30, 2018)  |
| <a href="#"><u>4.4</u></a>  | Certificate of Amendment of Amended and Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed on April 12, 2019).  |
| <a href="#"><u>4.5</u></a>  | Certificate of Amendment of Amended and Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K, filed on November 6, 2020) |
| <a href="#"><u>4.6</u></a>  | Certificate of Amendment of Amended and Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K, filed on November 6, 2020) |
| <a href="#"><u>4.7</u></a>  | Second Amended and Restated Bylaws of the Registrant (incorporated by reference to Exhibit 3.3 to the Company's Current Report on Form 8-K, filed on November 6, 2020)                          |
| <a href="#"><u>4.8</u></a>  | Ocuphire Pharma, Inc. 2020 Equity Incentive Plan (incorporated by reference to Annex D to the Company's Registration Statement on Form S-4, filed on September 30, 2020)                        |
| <a href="#"><u>5.1</u></a>  | Opinion of Honigman LLP   |
| <a href="#"><u>23.1</u></a> | Consent of Ernst & Young LLP  |
| <a href="#"><u>23.2</u></a> | Consent of Honigman LLP (included in Exhibit 5.1)   |
| <a href="#"><u>24.1</u></a> | Power of Attorney (included after the signature of the Registrant contained on Signature Page of this Registration Statement)   |
| <a href="#"><u>107</u></a>  | Filing Fee Table  |

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## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, hereunto duly authorized, in City of Farmington Hills, State of Michigan, on April 5, 2022.

OCUPHIRE PHARMA, INC.

By: /s/ Mina Sooch

Name: Mina Sooch

Title: President and Chief Executive Officer

## POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Mina Sooch, Bernhard Hoffmann and Amy Rabourn as his or her true and lawful attorneys-in-fact and agents with full power of substitution, severally, for him in any and all capacities, to sign the Registration Statement on Form S-8 of Ocuphire Pharma, Inc., and any or all amendments (including post-effective amendments thereto), and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully for all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or his or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the date indicated.

| <u>SIGNATURE</u>                                    | <u>TITLE</u>   | <u>DATE</u>   |
|---|--|---------------|
| <u>/s/ Mina Sooch</u><br>Mina Sooch                 | President, Chief Executive Officer & Director<br>(Principal Executive Officer) | April 5, 2022 |
| <u>/s/ Amy Rabourn</u><br>Amy Rabourn               | Vice President of Finance<br>(Principal Financial and Accounting Officer)      | April 5, 2022 |
| <u>/s/ Sean Ainsworth</u><br>Sean Ainsworth         | Director   | April 5, 2022 |
| <u>/s/ James S. Manuso</u><br>James S. Manuso       | Director   | April 5, 2022 |
| <u>/s/ Cam Gallagher</u><br>Cam Gallagher           | Director   | April 5, 2022 |
| <u>/s/ Jay Pepose</u><br>Jay Pepose                 | Director   | April 5, 2022 |
| <u>/s/ Richard J. Rodgers</u><br>Richard J. Rodgers | Director   | April 5, 2022 |
| <u>/s/ Susan K. Benton</u><br>Susan K. Benton       | Director   | April 5, 2022 |

April 5, 2022

**Ocuphire Pharma, Inc.**  
**37000 Grand River Avenue, Suite 120**  
**Farmington Hills, Michigan 48335**

*Re: Registration Statement on Form S-8*

Ladies and Gentlemen:

We have acted as counsel to Ocuphire Pharma, Inc., a Delaware corporation (the "Company"), in connection with preparing and filing with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Act of 1933, as amended (the "Securities Act") of a Registration Statement on Form S-8 (the "Registration Statement"). The Registration Statement relates to the registration under the Securities Act of a maximum of 942,291 shares (the "2020 Plan Shares") of the Company's common stock, par value \$0.0001 per share (the "Common Stock"), reserved for issuance under the Company's 2020 Equity Incentive Plan (the "2020 Plan").

In connection with this opinion letter, we have examined and relied upon originals or copies of such records, documents, certificates, opinions, memoranda and other instruments as in our judgment are necessary or appropriate to enable us to render the opinions expressed below.

In rendering the opinions in this opinion letter, we have assumed the genuineness and authenticity of all signatures on original documents; the authenticity of all documents submitted to us as originals; the conformity to originals of all documents submitted to us as copies; the accuracy, completeness and authenticity of certificates of public officials; and the due authorization, execution and delivery of all documents where authorization, execution and delivery are prerequisites to the effectiveness of such documents.

Our opinions herein are expressed solely with respect to the General Corporation Law of the State of Delaware, as amended. Our opinions are based on these laws as in effect on the date hereof. We express no opinion as to whether the laws of any jurisdiction are applicable to the subject matter hereof. We are not rendering any opinion as to compliance with any federal or state antifraud law, rule or regulation relating to securities, or to the sale or issuance thereof. It is understood that this opinion letter is to be used only in connection with the offer and sale of the 2020 Plan Shares while the Registration Statement is in effect and only speaks as of the date of this opinion letter.

April 5, 2022

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On the basis of the foregoing and in reliance thereon, and subject to the qualifications herein stated, we are of the opinion that the 2020 Plan Shares are duly authorized and, when issued and sold by the Company in accordance with the 2020 Plan, the awards thereunder, the Registration Statement and the related prospectus, will be validly issued, fully paid and non-assessable.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement. In giving this consent, we do not admit that we are within the category of persons whose consent is required by Section 7 of the Securities Act or the rules and regulations promulgated thereunder by the Commission. This opinion is expressed as of the date hereof, and we disclaim any undertaking to advise you of any subsequent changes in the facts stated or assumed herein or of any subsequent changes in applicable law.

Very truly yours,

/s/ Honigman LLP

HONIGMAN LLP

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**Consent of Independent Registered Public Accounting Firm**

We consent to the incorporation by reference in the Registration Statement on Form S-8 pertaining to the 2020 Equity Incentive Plan of Ocuphire Pharma, Inc. of our report dated March 24, 2022, with respect to the consolidated financial statements of Ocuphire Pharma, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2021, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

Detroit, Michigan  
April 5, 2022

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## Calculation of Filing Fee Table

FORM S-8  
(Form Type)Ocuphire Pharma, Inc.  
(Exact Name of Registrant as Specified in its Charter)

## Newly Registered Securities

| Security Type                 | Security Class Title                          | Fee Calculation Rule        | Amount Registered (1)<br>(3) | Proposed Maximum Offering Price Per Unit(2) | Maximum Aggregate Offering Price (2) | Fee Rate  | Amount of Registration Fee |
|-------------------------------|---|-----------------------------|------------------------------|---|--------------------------------------|-----------|----------------------------|
| Equity                        | Common stock,<br>\$0.0001 par value per share | Rule 457(c) and Rule 457(h) | 942,291                      | \$ 3.32                                     | \$ 3,128,406.12                      | 0.0000927 | \$ 290                     |
| <b>Total Offering Amounts</b> |   |                             |                              |   | \$ 3,128,406.12                      |           | \$ 290                     |
| <b>Total Fee Offsets</b>      |   |                             |                              |   |                                      |           | \$ -                       |
| <b>Net Fee Due</b>            |   |                             |                              |   |                                      |           | \$ 290                     |

- (1) Ocuphire Pharma, Inc., a Delaware corporation (the "Registrant"), is registering 942,291 shares of common stock that may be issued under the Ocuphire Pharma, Inc. 2020 Equity Incentive Plan (the "2020 Plan"). Pursuant to Rule 416(a) promulgated under the Securities Act of 1933, as amended, (the "Securities Act"), this Registration Statement shall also cover any additional shares of common stock that become issuable under the plans set forth herein by reason of any stock dividend, stock split, recapitalization, or other similar transaction effected without receipt of consideration that increases the number of outstanding shares of common stock, as applicable.
- (2) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(c) and Rule 457(h) under the Act. The proposed maximum offering price per unit and maximum aggregate offering price are based on the average of the high and low prices of the Registrant's common stock as reported on the Nasdaq Capital Market on March 31, 2022.
- (3) The number of shares of common stock available for issuance under the 2020 Plan is subject to an automatic annual increase on the first day of each fiscal year, beginning on January 1, 2021 and ending on (and including) January 1, 2030, with such annual increase equal to the lesser of (i) 5% of the total number of shares of common stock outstanding on December 31 of the preceding year and (ii) an amount determined by the board of directors of the Registrant. Accordingly, the number of shares of common stock available for issuance under the 2020 Plan was automatically increased by 942,291 shares effective January 1, 2022, which is equal to 5% of the total number of shares of common stock outstanding as of December 31, 2021.