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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. )\*

**DECIPHERA PHARMACEUTICALS INC**  
(Name of Issuer)

**Common Stock, \$0.01 par value**  
(Title of Class of Securities)

**24344T101**  
(CUSIP Number)

**December 31, 2022**  
(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Continued on following pages  
Page 1 of 11 Pages  
Exhibit Index: Page 10

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|                       |  |                          |                        |
|-----------------------|--|--------------------------|------------------------|
| 1.                    | Names of Reporting Persons.<br>BRAIDWELL LP  |                          |                        |
| 2.                    | Check the Appropriate Box if a Member of a Group<br>(a) <input type="checkbox"/><br>(b) <input type="checkbox"/> |                          |                        |
| 3.                    | SEC Use Only   |                          |                        |
| 4.                    | Citizenship or Place of Organization<br>Delaware   |                          |                        |
| Number of Shares      | 5.   | Sole Voting Power        | -0-                    |
| Beneficially Owned by | 6.   | Shared Voting Power      | 4,599,484 <sup>1</sup> |
| Each Reporting Person | 7.   | Sole Dispositive Power   | -0-                    |
| With                  | 8.   | Shared Dispositive Power | 4,599,484 <sup>1</sup> |
| 9.                    | Aggregate Amount Beneficially Owned by Each Reporting Person<br>4,599,484 <sup>1</sup>                           |                          |                        |
| 10.                   | Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)<br><input type="checkbox"/>  |                          |                        |
| 11.                   | Percent of Class Represented by Amount in Row (9)<br>6.68% <sup>2</sup>  |                          |                        |
| 12.                   | Type of Reporting Person:<br>IA, PN  |                          |                        |

<sup>1</sup> Consists of 3,383,351 Shares (as defined herein) and 1,216,133 Shares issuable upon the exercise of immediately exercisable pre-funded warrants ("Warrants"), all of which are directly owned by Braidwell Partners Master Fund LP.

<sup>2</sup> Based on 67,637,351 Shares outstanding as of December 31, 2022, as reported in the Issuer's annual report on Form 10-K for the fiscal year ended December 31, 2022 filed with the Securities and Exchange Commission (the "SEC") on February 7, 2023, plus the 1,216,133 Shares the Reporting Persons have the right to acquire upon exercise of Warrants, which amount has been added to the shares outstanding in accordance with Rule 13d-3(d)(i)(1) under the Act.

|                       |  |                          |                        |
|-----------------------|--|--------------------------|------------------------|
| 1.                    | Names of Reporting Persons.<br>BRAIDWELL MANAGEMENT LLC  |                          |                        |
| 2.                    | Check the Appropriate Box if a Member of a Group<br>(a) <input type="checkbox"/><br>(b) <input type="checkbox"/> |                          |                        |
| 3.                    | SEC Use Only   |                          |                        |
| 4.                    | Citizenship or Place of Organization<br>Delaware   |                          |                        |
| Number of Shares      | 5.   | Sole Voting Power        | -0-                    |
| Beneficially Owned by | 6.   | Shared Voting Power      | 4,599,484 <sup>1</sup> |
| Each Reporting Person | 7.   | Sole Dispositive Power   | -0-                    |
| With                  | 8.   | Shared Dispositive Power | 4,599,484 <sup>1</sup> |
| 9.                    | Aggregate Amount Beneficially Owned by Each Reporting Person<br>4,599,484 <sup>1</sup>                           |                          |                        |
| 10.                   | Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)<br><input type="checkbox"/>  |                          |                        |
| 11.                   | Percent of Class Represented by Amount in Row (9)<br>6.68% <sup>2</sup>  |                          |                        |
| 12.                   | Type of Reporting Person:<br>HC, OO  |                          |                        |

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|    |  |  |  |
|----|--|--|--|
| 1. | Names of Reporting Persons.<br>ALEXANDER T. KARNAL |  |  |
|----|--|--|--|

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|    |  |                          |  |
|----|--|--------------------------|--|
| 2. | Check the Appropriate Box if a Member of a Group |                          |  |
|    | (a)  | <input type="checkbox"/> |  |
|    | (b)  | <input type="checkbox"/> |  |

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|    |              |  |  |
|----|--------------|--|--|
| 3. | SEC Use Only |  |  |
|----|--------------|--|--|

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|    |  |  |  |
|----|--|--|--|
| 4. | Citizenship or Place of Organization<br>United States of America |  |  |
|----|--|--|--|

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|                       |    |                          |                        |
|-----------------------|----|--------------------------|------------------------|
| Number of Shares      | 5. | Sole Voting Power        | -0-                    |
| Beneficially Owned by | 6. | Shared Voting Power      | 4,599,484 <sup>1</sup> |
| Each Reporting Person | 7. | Sole Dispositive Power   | -0-                    |
| With                  | 8. | Shared Dispositive Power | 4,599,484 <sup>1</sup> |

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|    |  |  |  |
|----|--|--|--|
| 9. | Aggregate Amount Beneficially Owned by Each Reporting Person<br>4,599,484 <sup>1</sup> |  |  |
|----|--|--|--|

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|     |   |  |  |
|-----|---|--|--|
| 10. | Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)<br><input type="checkbox"/> |  |  |
|-----|---|--|--|

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|     |   |  |  |
|-----|---|--|--|
| 11. | Percent of Class Represented by Amount in Row (9)<br>6.68% <sup>2</sup> |  |  |
|-----|---|--|--|

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|     |                                     |  |  |
|-----|-------------------------------------|--|--|
| 12. | Type of Reporting Person:<br>IN, HC |  |  |
|-----|-------------------------------------|--|--|

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|                       |  |                          |                        |
|-----------------------|--|--------------------------|------------------------|
| 1.                    | Names of Reporting Persons.<br>BRIAN J. KREITER  |                          |                        |
| 2.                    | Check the Appropriate Box if a Member of a Group<br>(a) <input type="checkbox"/><br>(b) <input type="checkbox"/> |                          |                        |
| 3.                    | SEC Use Only   |                          |                        |
| 4.                    | Citizenship or Place of Organization<br>United States of America   |                          |                        |
| Number of Shares      | 5.   | Sole Voting Power        | -0-                    |
| Beneficially Owned by | 6.   | Shared Voting Power      | 4,599,484 <sup>1</sup> |
| Each Reporting Person | 7.   | Sole Dispositive Power   | -0-                    |
| With                  | 8.   | Shared Dispositive Power | 4,599,484 <sup>1</sup> |
| 9.                    | Aggregate Amount Beneficially Owned by Each Reporting Person<br>4,599,484 <sup>1</sup>                           |                          |                        |
| 10.                   | Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)<br><input type="checkbox"/>  |                          |                        |
| 11.                   | Percent of Class Represented by Amount in Row (9)<br>6.68% <sup>2</sup>  |                          |                        |
| 12.                   | Type of Reporting Person:<br>HC, OO  |                          |                        |

**Item 1(a). Name of Issuer:**

Deciphera Pharmaceuticals, Inc.

**Item 1(b). Address of Issuer's Principal Executive Offices:**

200 Smith Street  
Waltham, MA, 02451

**Item 2(a). Name of Person Filing**

This initial filing is being jointly filed by Braidwell LP, Braidwell Management LLC, Alexander Karnal and Brian Kreiter (the "Reporting Persons").

**Item 2(b). Address of Principal Business Office or, if None, Residence:**

The business address of each Reporting Person is:  
2200 Atlantic St  
4<sup>th</sup> Floor  
Stamford, CT 06902

**Item 2(c). Citizenship:**

Braidwell LP is a limited partnership organized under the laws of the State of Delaware.  
Braidwell Management LLC is a limited liability company organized under the laws of the State of Delaware.  
Alexander Karnal and Brian Kreiter are both citizens of the United States of America.

**Item 2(d). Title of Class of Securities:**

Common Stock, \$0.01 par value (the "Shares")

**Item 2(e). CUSIP Number:**

24344T101

**Item 3. If This Statement is Filed Pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c),  
Check Whether the Person Filing is a:**

- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E)
  - (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G)
-

**Item 4. Ownership:****Item 4(a) Amount Beneficially Owned:**

Items 5-9 of each cover page are incorporated by reference. Each Reporting Person may be deemed to be the beneficial owner of 4,599,484 Shares, which amount consists of 3,383,351 Shares and 1,216,133 Shares issuable upon the exercise of Warrants, all of which are directly owned by Braidwell Partners Master Fund LP.

**Item 4(b) Percent of Class:**

Each Reporting Person may be deemed to beneficially own 6.68% of the Shares, which is calculated based on 67,637,351 Shares outstanding as of December 31, 2022, as reported in the Issuer's annual report on Form 10-K for the fiscal year ended December 31, 2022 filed with the SEC on February 7, 2023, plus the 1,216,133 Shares the Reporting Persons have the right to acquire upon exercise of Warrants, which amount has been added to the shares outstanding in accordance with Rule 13d-3(d)(i)(1) under the Act.

**Item 4(c) Number of Shares as to which such person has:**

|       |   |           |
|-------|---|-----------|
| (i)   | Sole power to vote or direct the vote:                | -0-       |
| (ii)  | Shared power to vote or direct the vote:              | 4,599,484 |
| (iii) | Sole power to dispose or direct the disposition of:   | -0-       |
| (iv)  | Shared power to dispose or direct the disposition of: | 4,599,484 |

**Item 5. Ownership of Five Percent or Less of a Class:**

n/a

**Item 6. Ownership of More than Five Percent on Behalf of Another Person:**

n/a

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person:**

The information in Item 4 is incorporated herein.

**Item 8. Identification and Classification of Members of the Group:**

n/a

**Item 9. Notice of Dissolution of Group:**

n/a

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**Item 10. Certification:**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under §240.14a-11.

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**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 14, 2023

**BRAIDWELL LP**

BY: BRAIDWELL MANAGEMENT, LLC,  
ITS GENERAL PARTNER

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BY: /S/ MANISH K. MITAL  
NAME: MANISH K. MITAL  
TITLE: AUTHORIZED SIGNATORY

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**BRAIDWELL MANAGEMENT LLC**

BY: /S/ MANISH K. MITAL  
NAME: MANISH K. MITAL  
TITLE: AUTHORIZED SIGNATORY

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**ALEXANDER T. KARNAL**  
/s/ ALEXANDER T. KARNAL

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**BRIAN J. KREITER**  
/s/ BRIAN J. KREITER

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**EXHIBIT INDEX**

| <u>Ex.</u> |   | <u>Page No.</u> |
|------------|---|-----------------|
| A          | Joint Filing Agreement, dated February 14, 2023, by and among the Reporting Persons | 11              |

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**EXHIBIT A****JOINT FILING AGREEMENT**

The undersigned hereby agree that the statement on Schedule 13G with respect to the Common Stock of Deciphera Pharmaceuticals, Inc. dated as of February 14, 2023 is, and any amendments thereto (including amendments on Schedule 13D) signed by each of the undersigned shall be, filed on behalf of each of us pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended.

February 14, 2023

**BRAIDWELL LP**BY: BRAIDWELL MANAGEMENT, LLC,  
ITS GENERAL PARTNER  
\_\_\_\_\_BY: /S/ MANISH K. MITAL  
\_\_\_\_\_  
NAME: MANISH K. MITAL  
TITLE: AUTHORIZED SIGNATORY**BRAIDWELL MANAGEMENT LLC**BY: /S/ MANISH K. MITAL  
\_\_\_\_\_  
NAME: MANISH K. MITAL  
TITLE: AUTHORIZED SIGNATORY**ALEXANDER T. KARNAL**/s/ ALEXANDER T. KARNAL  
\_\_\_\_\_**BRIAN J. KREITER**/s/ BRIAN J. KREITER  
\_\_\_\_\_