

| OMB APPROVAL                                 |           |
|----------------------------------------------|-----------|
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

|                                                                                                                                                                                                                                                                                    |  |  |                                                                                                                                                                                                                |  |  |                                                                                                                                                                                                                          |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1. Name and Address of Reporting Person*<br><u>Martin Daniel C.</u><br><hr/> (Last) (First) (Middle)<br><u>C/O DECIPHERA PHARMACEUTICALS, INC.</u><br><u>200 SMITH STREET</u><br><hr/> (Street)<br><u>WALTHAM MA 02451</u><br><hr/> (City) (State) (Zip)                           |  |  | 2. Issuer Name and Ticker or Trading Symbol<br><u>Deciphera Pharmaceuticals, Inc. [ DCPH ]</u>                                                                                                                 |  |  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>Chief Commercial Officer</u> |  |  |
| 3. Date of Earliest Transaction (Month/Day/Year)<br><u>02/15/2024</u>                                                                                                                                                                                                              |  |  | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person |  |  |                                                                                                                                                                                                                          |  |  |
| 4. If Amendment, Date of Original Filed (Month/Day/Year)                                                                                                                                                                                                                           |  |  |                                                                                                                                                                                                                |  |  |                                                                                                                                                                                                                          |  |  |
| Rule 10b5-1(c) Transaction Indication<br><input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. |  |  |                                                                                                                                                                                                                |  |  |                                                                                                                                                                                                                          |  |  |

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |                          | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|---|-------------------------------------------------------------------|------------|--------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
|                                 |                                      |                                                    | Code                           | V | Amount                                                            | (A) or (D) | Price                    |                                                                                               |                                                          |                                                       |
| Common Stock                    | 02/15/2024                           |                                                    | A <sup>(1)</sup>               |   | 9,725                                                             | A          | \$0                      | 57,385                                                                                        | D                                                        |                                                       |
| Common Stock                    | 02/16/2024                           |                                                    | S <sup>(2)</sup>               |   | 2,267                                                             | D          | \$15.6176 <sup>(3)</sup> | 55,118                                                                                        | D                                                        |                                                       |

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |     | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|---|----------------------------------------------------------------------------------------|-----|----------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|-------|
|                                            |                                                        |                                      |                                                    | Code                           | V | (A)                                                                                    | (D) | Date Exercisable                                         | Expiration Date |                                                                                   |                                            |                                                                                                    |                                                           |                                                        | Title |
| Stock Option (Right to Buy)                | \$15.92                                                | 02/15/2024                           |                                                    | A                              |   | 38,900                                                                                 |     | (4)                                                      | 02/14/2034      | Common Stock                                                                      | 38,900                                     | \$0                                                                                                | 38,900                                                    | D                                                      |       |

**Explanation of Responses:**

- The reporting person was awarded 9,725 Restricted Stock Units ("RSUs"). Each RSU represents a contingent right to receive one share of the Issuer's Common Stock. The RSUs shall vest in three equal installments on each of February 15, 2025, February 15, 2026 and February 15, 2027.
- This sale was to cover tax liabilities in the vesting of RSUs.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$15.6175 to \$15.6177, inclusive. The reporting person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range.
- This stock option was issued pursuant to the Issuer's 2017 Stock Option and Incentive Plan. The option shall vest in equal monthly installments over four years, beginning on March 15, 2024.

/s/ Jeffrey M. Held, Attorney-in-Fact 02/20/2024

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.