

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* <u>Hoerter Steven L.</u>  (Last) (First) (Middle) <u>C/O DECIPHERA PHARMACEUTICALS, INC.</u> <u>200 SMITH STREET</u>  (Street) <u>WALTHAM MA 02451</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Deciphera Pharmaceuticals, Inc. [ DCPH ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>President and CEO</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>03/18/2020</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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	03/18/2020		M		2,250	A	\$25.4	54,250	D	
Common Stock	03/19/2020		F <sup>(1)</sup>		4,494	D	\$35.78 <sup>(2)</sup>	49,756	D	
Common Stock	03/19/2020		F <sup>(1)</sup>		1,012	D	\$36.88 <sup>(3)</sup>	48,744	D	
Common Stock	03/19/2020		F <sup>(1)</sup>		4,230	D	\$38.26 <sup>(4)</sup>	44,514	D	
Common Stock	03/19/2020		F <sup>(1)</sup>		2,164	D	\$39.22 <sup>(5)</sup>	42,350	D	
Common Stock	03/19/2020		F <sup>(1)</sup>		520	D	\$39.98 <sup>(6)</sup>	41,830	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		Date Exercisable	Expiration Date						Title
Stock Option (Right to Buy)	\$25.4	03/18/2019		A		2,250	(7)	03/17/2029	Common Stock	2,250	\$0.00	397,750	D	

Explanation of Responses:

- On March 18, 2019 the Reporting Person was granted 22,000 Restricted Stock Units (RSUs) which vested in full on March 18, 2020 and was granted 30,000 RSUs which vest in four (4) equal annual installments beginning on March 18, 2020. These RSUs were reported in Table I on a Form 4 filed on March 20, 2019. The sale of shares reported in this Form 4 was made pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person to cover tax obligations.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$35.27 to \$36.01, inclusive. The reporting person undertakes to provide to Deciphera Pharmaceuticals, Inc., any security holder of Deciphera Pharmaceuticals, Inc., 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 ranges set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$36.73 to \$37.24, inclusive. The reporting person undertakes to provide to Deciphera Pharmaceuticals, Inc., any security holder of Deciphera Pharmaceuticals, Inc., 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 ranges set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$37.77 to \$38.76, inclusive. The reporting person undertakes to provide to Deciphera Pharmaceuticals, Inc., any security holder of Deciphera Pharmaceuticals, Inc., 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 ranges set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$38.79 to \$39.77, inclusive. The reporting person undertakes to provide to Deciphera Pharmaceuticals, Inc., any security holder of Deciphera Pharmaceuticals, Inc., 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 ranges set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$39.88 to \$40.01, inclusive. The reporting person undertakes to provide to Deciphera Pharmaceuticals, Inc., any security holder of Deciphera Pharmaceuticals, Inc., 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 ranges set forth in this footnote.
- This stock option was issued pursuant to the Issuer's 2017 Stock Option and Incentive Plan. 25% of the options shall vest on March 18, 2020, and the remaining options shall vest in equal monthly installments over the following three years, subject to continued service through such dates.

Remarks:

/s/ Jeffrey Held, Attorney-in-Fact 03/20/2020

\*\* 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.

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