

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

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

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

1. Name and Address of Reporting Person* <u>Brown Bob D</u>  (Last) (First) (Middle) C/O DICERNA PHARMACEUTICALS, INC. 75 HAYDEN AVENUE  (Street) LEXINGTON MA 02421  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Dicerna Pharmaceuticals Inc [ DRNA ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chief Scientific Ofr., EVP R&amp;D</u>
	3. Date of Earliest Transaction (Month/Day/Year) 02/03/2021	
	4. If Amendment, Date of Original Filed (Month/Day/Year) 02/04/2021	

**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	02/03/2021		M		3,066 <sup>(1)</sup>	A	\$3.42 <sup>(1)</sup>	24,583 <sup>(1)</sup>	D	
Common Stock	02/03/2021		M		5,246 <sup>(1)</sup>	A	\$2.97 <sup>(1)</sup>	29,829	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
Employee Stock Option (Right to Buy)	\$3.42 <sup>(1)</sup>	02/03/2021		M		3,066 <sup>(1)</sup>		(1)(2)	09/24/2023 <sup>(1)</sup>	Common Stock	3,066 <sup>(1)</sup>	\$0	74,808 <sup>(1)</sup>	D	
Employee Stock Option (Right to Buy)	\$2.97 <sup>(1)</sup>	02/03/2021		M		5,246 <sup>(1)</sup>		(1)(3)	01/03/2027 <sup>(1)</sup>	Common Stock	5,246 <sup>(1)</sup>	\$0	0 <sup>(1)</sup>	D	

**Explanation of Responses:**

- The Reporting Person's original Form 4 as filed with the Securities and Exchange Commission on February 4, 2021 (the "Original Form 4") is hereby amended to reflect the correct option grants from which the shares were exercised. The aggregate total number of shares exercised (8,312 shares) was correctly reported in the Original Form 4. Except as noted in this amended Form 4, all other information disclosed in the Original Form 4 was accurately reported and remains unchanged.
- As of the transaction date, the option was fully vested. The option vested 1/48 monthly on the last day of each month with the vesting start date of 7/30/2013.
- The option vests in 48 monthly installments over the four-year period starting on the last day of January 2017, subject in each case to the Reporting Person's continued service with the Issuer through the applicable vesting date.

**Remarks:**

/s/ Douglas W. Pagan, attorney-in-fact 04/05/2021

\*\* 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.