

Dicerna Pharmaceuticals Inc  
 Form 4  
 February 20, 2014

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**FAMBROUGH DOUGLAS**

2. Issuer Name and Ticker or Trading Symbol  
**Dicerna Pharmaceuticals Inc [DRNA]**

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**Chief Executive Officer**

(Last) (First) (Middle)

**C/O DICERNA PHARMACEUTICALS, INC., 480 ARSENAL STREET, BLDG 1, SUITE 120**

3. Date of Earliest Transaction (Month/Day/Year)  
**09/24/2013**

(Street)  
**WATERTOWN, MA 02472**

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**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 Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	11/11/2013		M	9,300 A \$ 3.42	12,300	D	
Common Stock	01/29/2014		P	5,000 A \$ 15	17,300	D	

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

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SEC 1474 (9-02)

number.

**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 Underlying Security (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount
Employee Stock Option (right to buy)	\$ 3.42	11/11/2013		M		4,950 (1) 06/08/2020	Common Stock 4,950
Employee Stock Option (right to buy)	\$ 3.42	11/11/2013		M		4,350 (2) 10/14/2020	Common Stock 4,350
Employee Stock Option (right to buy)	\$ 3.42	09/24/2013		A		281,250 (3) 09/24/2023	Common Stock 281,250
Employee Stock Option (right to buy)	\$ 3.42	09/24/2013		A		281,250 (4) 09/24/2023	Common Stock 281,250

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FAMBROUGH DOUGLAS C/O DICERNA PHARMACEUTICALS, INC. 480 ARSENAL STREET, BLDG 1, SUITE 120 WATERTOWN, MA 02472	X		Chief Executive Officer	

## Signatures

/ s John Green 02/14/2014

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

\* 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).

- (1) 20% vests 05/06/2011 and 20% vests on last day of month for 12 months thereafter. Remaining 60% vests over 24 months thereafter on last day of month.
- (2) 20% vests on 08/05/2011 and 20% vests in installments on 5th day of month for 12 months thereafter. Remaining 60% vests over 24 months thereafter.
- (3) The vesting of this option is subject to achievement of pre-established performance goals.
- (4) Vests 1/48 monthly on last day of each month with a vesting start date of 07/30/2013.

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

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