Wood Mark Form 4 June 23, 2010

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

Expires:

January 31, 2005

Form 4 or Form 5

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

Estimated average burden hours per response... 0.5

obligations may continue. See Instruction

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

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Wood Mark

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

Symbol

BIOMARIN PHARMACEUTICAL INC [BMRN]

(Check all applicable)

VP, Human Resources

(First) (Middle) 3. Date of Earliest Transaction

> (Month/Day/Year) 06/23/2010

Other (specify X_ Officer (give title below)

C/O BIOMARIN PHARMACEUTICAL INC., 105

(Street)

DIGITAL DRIVE

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Director

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

NOVATO, CA 94949

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

3. Transaction Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

4. Securities Acquired (A) 5. Amount of Securities Beneficially Owned **Following**

Reported

7. Nature of Indirect Ownership Form: Beneficial Direct (D) Ownership or Indirect (Instr. 4)

10% Owner

(A)

Transaction(s) (Instr. 4) (Instr. 3 and 4)

Code V Amount (D) Price

\$

D

Common 06/23/2010(1) S 06/23/2010 372 D Stock (2)

(Month/Day/Year)

19.7906 14,243

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

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

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transacti	5. orNumber	6. Date Exerc Expiration D		7. Title Amount		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(any (Month/Day/Year)	Code (Instr. 8)	of	(Month/Day/Year)		Underlying Securities (Instr. 3 and 4)		Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

Officer Other Director 10% Owner

Wood Mark C/O BIOMARIN PHARMACEUTICAL INC. 105 DIGITAL DRIVE **NOVATO, CA 94949**

VP, Human Resources

Signatures

Laura Randall Woodhead, 06/23/2010 Attorney-in-Fact

> **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) Transaction made pursuant to a Rule 10b5-1 Trading Plan executed on September 2, 2009.

The price in Column 4 is a weighted average price. The prices actually received ranged from \$19.57 to \$20.05. The reporting person will provide to the issuer, any security holder of the issuer, or the SEC staff, upon request, information regarding the number of shares sold at each price within the range.

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.

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