

Wood Mark
Form 4
January 21, 2010

FORM 4

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

OMB APPROVAL

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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 *
Wood Mark

2. Issuer Name and Ticker or Trading Symbol
BIOMARIN PHARMACEUTICAL INC [BMRN]

5. Relationship of Reporting Person(s) to Issuer
(Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
VP, Human Resources

(Last) (First) (Middle)

C/O BIOMARIN PHARMACEUTICAL INC., 105 DIGITAL DRIVE

3. Date of Earliest Transaction (Month/Day/Year)
01/19/2010

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

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 (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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	01/19/2010	01/19/2010	M ⁽¹⁾		6,250	A	\$ 11.74
Common Stock	01/19/2010	01/19/2010	M ⁽¹⁾		3,750	A	\$ 14
Common Stock	01/19/2010	01/19/2010	M ⁽¹⁾		7,499	A	\$ 14.39
Common Stock	01/19/2010	01/19/2010	S ⁽¹⁾		17,499	D	\$ 21

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

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(9-02)

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 Securities (Instr. 3 and 4)	Amount or Number of Shares
Stock Option (right to buy)	\$ 11.74	01/19/2010 ⁽¹⁾	01/19/2010	M	6,250	07/06/2006 ⁽²⁾ 01/05/2016	Common Stock	6,250
Stock Option (right to buy)	\$ 14	01/19/2010 ⁽¹⁾	01/19/2010	M	3,750	12/21/2006 ⁽³⁾ 06/20/2016	Common Stock	3,750
Stock Option (right to buy)	\$ 14.39	01/19/2010 ⁽¹⁾	01/19/2010	M	7,499	11/12/2009 ⁽⁴⁾ 05/11/2019	Common Stock	7,499

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Wood Mark C/O BIOMARIN PHARMACEUTICAL INC. 105 DIGITAL DRIVE NOVATO, CA 94949			VP, Human Resources	

Signatures

G. Eric Davis,
Attorney-in-Fact

01/21/2010

**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 105-1 Trading plan executed on September 2, 2009.
- (2) Original option grant vested 6/48ths on July 6, 2006 and 1/48th on the 6th of each month thereafter.
- (3) Original option grant vested 6/48ths on December 21, 2006 and 1/48th on the 21st of each month thereafter.
- (4) Original option grant vested 6/48ths on November 12, 2009 and 1/48th on the 12th of each month thereafter.

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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