Wood Mark Form 4 May 14, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB 3235-0287 Number:

Expires:

January 31, 2005

0.5

Estimated average

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if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

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). (Print or Type Responses)

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)			
(Last) C/O BIOM. PHARMAC DIGITAL I	Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/12/2010						Director 10% Owner Officer (give title Other (specify below) VP, Human Resources				
NOVATO,	(Zip)	Filed(Month/Day/Year)						6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person tired, Disposed of, or Beneficially Owned				
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution any	2A. Deemed Execution Date, if				ties Ac	equired (A) (D)		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	05/12/2010	05/12/20)10	A		5,300	A	(1)	13,381	D		
Common Stock	05/13/2010	05/13/20)10	S		546	D	\$ 21.7491 (2)	12,835	D		

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

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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)	recution Date, if y Code Securities Ionth/Day/Year) (Instr. 8) Acquired (A or Disposed (D) (Instr. 3, 4,		6. Date Exercisab Expiration Date (Month/Day/Year	7. Title and Amount o Underlying Securities (Instr. 3 and 4)		
				Code V	and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Option (right to buy)	\$ 21.51	05/12/2010		A	40,000	11/12/2010(3)	05/11/2020	Common Stock	40,000

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

> > VP, Human Resources

Wood Mark

C/O BIOMARIN PHARMACEUTICAL INC.

105 DIGITAL DRIVE

NOVATO, CA 94949

Signatures

G. Eric Davis, 05/14/2010 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) Restricted stock units granted on May 12, 2010. Price not applicable.
- The price in Column 4 is a weighted average price. The prices actually received ranged from \$21.613 to \$21.827. The reporting person (2) 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.
- (3) Original option grant vests 6/48th on November 12, 2010 and 1/48th each 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. 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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