Wood Mark Form 4 May 14, 2010

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or Expires: January 31, 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

Form 4 or Form 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).

(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	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Middle) C/O BIOMARIN PHARMACEUTICAL INC., 105 DIGITAL DRIVE			3. Date of Earliest Transaction (Month/Day/Year) 05/12/2010						Director 10% Owner Symbol Owner Other (specify below) Other (specify below) VP, Human Resources			
NOVATO,		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				
(City)	(State)	(Zip)	Tab	le I - Nor	ı-D	erivative	Secu		Person ired, Disposed of,	or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)			3. 4. Securities Acquired (A Transactior Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or				cquired (A)	· •	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	010	A		5,300	A	<u>(1)</u>	13,381	D		
Common Stock	05/13/2010	05/13/20	010	S		546	D	\$ 21.7491	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)

Security o		2. Conversion or Exercise Price of	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
		Derivative Security				or Disposed of (D) (Instr. 3, 4, and 5)				
					Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
(r.	ock ption ight to iy)	\$ 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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