Wood Mark Form 4 March 16, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

3235-0287 Number:

OMB APPROVAL

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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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

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]				g	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) C/O BIOM PHARMA DIGITAL		3. Date of Earliest Transaction (Month/Day/Year) 03/12/2010					Director 10% Owner Section 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)	Table I. Nac Davids Complete Access					Person uired, Disposed of, or Beneficially Owned					
1.Title of Security (Instr. 3)	(State) 2. Transaction Date (Month/Day/Year)	(Zip) 2A. Deemo Execution any (Month/Da	ed Date, if	3. Transactic Code (Instr. 8)	4. Securi oror Dispo (Instr. 3,	ties A sed of 4 and (A) or	cquired (A)		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	03/12/2010(1)	03/12/20	010	M	938	A	\$ 14.39	9,019	D		
Common Stock	03/12/2010(1)	03/12/20	010	S	938	D	\$ 22.1675	8,081	D		

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 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. Transactic Code (Instr. 8)	5. Number on f 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 14.39	03/12/2010(1)	03/12/2010	M	938	11/12/2009(2)	05/11/2019	Common Stock	938

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

**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 vests 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. 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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