Wood Mark Form 4 April 22, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

1(b).

(Print or Type Responses)

may continue.

See Instruction

1. Name and Address of Reporting Person * Wood Mark

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

below)

BIOMARIN PHARMACEUTICAL INC [BMRN]

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) 04/21/2008

Director 10% Owner X_ Officer (give title Other (specify

VP, Human Resources

C/O BIOMARIN PHARMACEUTICAL INC., 105 DIGITAL DRIVE

(Street)

4. If Amendment, Date Original 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

NOVATO, CA 94949

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 5. Amount of 7. Nature of 4. Securities Acquired Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Indirect (I) Following (Instr. 4) Reported (Instr. 4) (A) Transaction(s) (Instr. 3 and 4) Code V (D) Price Amount Common 04/21/2008(1) 521 \$ 6.37 521 D 04/21/2008 M Stock Common 04/21/2008(1) M 177 \$ 6.13 698 D 04/21/2008 A Stock Common 04/21/2008(1) D 04/21/2008 M 521 \$ 11.74 1,219 Stock Common 04/21/2008(1) 04/21/2008 M 313 \$ 14 1,532 D Stock 04/21/2008(1) 04/21/2008 M 833 \$ 17.54 2,365 D

Common Stock								
Common Stock	04/21/2008(1)	04/21/2008	M	625	A	\$ 17.33 2	,990	D
Common Stock	04/21/2008(1)	04/21/2008	S	290	D	\$ 33.79 2	,700	D
Common Stock	04/21/2008(1)	04/21/2008	S	600	D	\$ 33.95 2	,100	D
Common Stock	04/21/2008(1)	04/21/2008	S	300	D	\$ 33.9 1	,800	D
Common Stock	04/21/2008(1)	04/21/2008	S	300	D	\$ 33.92 1	,500	D
Common Stock	04/21/2008(1)	04/21/2008	S	300	D	\$ 34.11 1	,200	D
Common Stock	04/21/2008(1)	04/21/2008	S	300	D	\$ 34.1 9	00	D
Common Stock	04/21/2008(1)	04/21/2008	S	400	D	\$ 34.055 5	00	D
Common Stock	04/21/2008(1)	04/21/2008	S	500	D	\$ 34.07 0		D

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

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SEC 1474 (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. Transactic Code (Instr. 8)		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	\$ 6.37	04/21/2008(1)	04/21/2008	M	521	11/03/2004(2)	05/02/2014	Common Stock	521

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(right to buy)									
Stock Option (right to buy)	\$ 6.13	04/21/2008(1)	04/21/2008	M	177	07/07/2005(3)	01/06/2015	Common Stock	177
Stock Option (right to buy)	\$ 11.74	04/21/2008(1)	04/21/2008	M	521	07/06/2006(4)	01/05/2016	Common Stock	521
Stock Option (right to buy)	\$ 14	04/21/2008(1)	04/21/2008	M	313	12/21/2006(5)	06/20/2016	Common Stock	313
Stock Option (right to buy)	\$ 17.54	04/21/2008(1)	04/21/2008	M	833	05/20/2007(6)	11/19/2016	Common Stock	833
Stock Option (right to buy)	\$ 17.33	04/21/2008(1)	04/21/2008	M	625	12/07/2007(7)	06/06/2017	Common Stock	625

Reporting Owners

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, 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.
- (2) Original option grant vested 6/48ths on 11/3/2004 and 1/48th on the 3rd of each month thereafter.
- (3) Original option grant vested 6/48ths on 7/7/2005 and 1/48th on the 7th of each month thereafter.
- (4) Original option grant vested 6/48ths on 7/6/2006 and 1/48th on the 6th of each month thereafter.

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- (5) Original option grant vested 6/48ths on 12/21/2006 and 1/48th on the 21st of each month thereafter.
- (6) Original option grant vested 6/48ths on 5/20/2007 and 1/48th on the 20th of each month thereafter.
- (7) Original option grant vested 6/48ths on 12/7/2007 and 1/48th on the 7th 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.