

Wood Mark
Form 4
April 22, 2008

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
(Street)

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

NOVATO, CA 94949
(City) (State) (Zip)

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

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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|
| | | | | (A) or (D) | Price | | |
| Common Stock | 04/21/2008 ⁽¹⁾ | 04/21/2008 | M | 521 | A \$ 6.37 | 521 | D |
| Common Stock | 04/21/2008 ⁽¹⁾ | 04/21/2008 | M | 177 | A \$ 6.13 | 698 | D |
| Common Stock | 04/21/2008 ⁽¹⁾ | 04/21/2008 | M | 521 | A \$ 11.74 | 1,219 | D |
| Common Stock | 04/21/2008 ⁽¹⁾ | 04/21/2008 | M | 313 | A \$ 14 | 1,532 | D |
| | 04/21/2008 ⁽¹⁾ | 04/21/2008 | M | 833 | A \$ 17.54 | 2,365 | D |

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| | | | | | | | | | |
|--------------|---------------------------|------------|---|-----|---|-----------|-------|--|---|
| 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 | 900 | | D |
| Common Stock | 04/21/2008 ⁽¹⁾ | 04/21/2008 | S | 400 | D | \$ 34.055 | 500 | | 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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. 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) | 8. 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 |

| | | | | | | | | | | |
|-----------------------------|----------|---------------------------|------------|---|-----|---------------------------|------------|--------------|-----|--|
| (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 | 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

04/22/2008

**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.