

Wood Mark
Form 4
December 23, 2010

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)
12/22/2010

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) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|--------|---|
| | | | Code | V | Amount | (A) or (D) | Price | | |
| Common Stock | 12/22/2010 ⁽¹⁾ | 12/22/2010 | M | | 937 | A | \$ 14.39 | 15,180 | D |
| Common Stock | 12/22/2010 ⁽¹⁾ | 12/22/2010 | M | | 625 | A | \$ 17.33 | 15,805 | D |
| Common Stock | 12/22/2010 ⁽¹⁾ | 12/22/2010 | M | | 834 | A | \$ 17.54 | 16,639 | D |
| Common Stock | 12/22/2010 ⁽¹⁾ | 12/22/2010 | M | | 83 | A | \$ 17.86 | 16,722 | D |
| | 12/22/2010 ⁽¹⁾ | 12/22/2010 | S | | 2,479 | D | | 14,243 | D |

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Common Stock \$ 28.213
(2)

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. 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 (right to buy) | \$ 14.39 | 12/22/2010 ⁽¹⁾ | 12/22/2010 | M | 937 | 11/12/2009 ⁽³⁾ 05/11/2019 | Common Stock | 937 |
| Stock Option (right to buy) | \$ 17.33 | 12/22/2010 ⁽¹⁾ | 12/22/2010 | M | 625 | 12/07/2007 ⁽⁴⁾ 06/06/2017 | Common Stock | 625 |
| Stock Option (right to buy) | \$ 17.54 | 11/22/2010 ⁽¹⁾ | 11/22/2010 | M | 834 | 05/20/2007 ⁽⁵⁾ 11/19/2016 | Common Stock | 834 |
| Stock Option (right to buy) | \$ 17.86 | 12/22/2010 ⁽¹⁾ | 12/22/2010 | M | 83 | 06/17/2009 ⁽⁶⁾ 12/16/2018 | Common Stock | 83 |

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

/s/ Laura Randall Woodhead,
Attorney-in-Fact

12/23/2010

__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 August 20, 2010.

The price in Column 4 is a weighted average price. The prices actually received ranged from \$28.09 to \$28.33. The reporting person 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 1, 2009 and 1/48th each on the 12th of each month thereafter.
- (4) Original option grant vests 6/48th on December 7, 2007 and 1/48th each on the 7th of each month thereafter.
- (5) Original option grant vests 6/48th on May 20, 2007 and 1/48th each on the 29th of each month thereafter.
- (6) Original option grant vests 6/48th on June 17, 2009 and 1/48th each on the 17th 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.