

BIENAIME JEAN JACQUES  
Form 4  
December 13, 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 \*  
BIENAIME JEAN JACQUES

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)  
Chief Executive Officer

(Last) (First) (Middle)  
  
C/O BIOMARIN  
PHARMACEUTICAL INC., 105  
DIGITAL DRIVE  
  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/13/2010

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                    | 12/13/2010                           | 12/13/2010                                         | M                              |                                                                   | 1,000 A \$ 6.46                                                                               | 94,567                                                   | D                                          |
| Common Stock                    | 12/13/2010                           | 12/13/2010                                         | S                              |                                                                   | 1,000 D \$ 27.4292                                                                            | 93,567                                                   | D                                          |

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

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(9-02)

number.

**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 (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) | Amount or Number of Shares |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|----------------------------|
| Stock Option (right to buy)                | \$ 6.46                                                | 12/13/2010                           | 12/13/2010                                         | M                              | 1,000                                                                          | 05/11/2006 <sup>(2)</sup> 05/11/2015                     | Common Stock                                                  | 1,000                      |

## Reporting Owners

| Reporting Owner Name / Address                                                                     | Relationships |           |                         |       |
|----------------------------------------------------------------------------------------------------|---------------|-----------|-------------------------|-------|
|                                                                                                    | Director      | 10% Owner | Officer                 | Other |
| BIENAIME JEAN JACQUES<br>C/O BIOMARIN PHARMACEUTICAL INC.<br>105 DIGITAL DRIVE<br>NOVATO, CA 94949 | X             |           | Chief Executive Officer |       |

## Signatures

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

12/13/2010

\_\_\_\_\_  
\*\*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).
- The price in Column 4 is a weighted average price. The prices actually received range from \$27.4040 to \$27.4420. The reporting person
- (1) 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.
  - (2) Original option grant vested 1/3 each on May 11, 2006, May 11, 2007, and May 11, 2008.

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