

Cooper Jeffrey H
Form 4
October 27, 2010

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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 *
Cooper Jeffrey H

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)
SVP, Chief Financial Officer

(Last) (First) (Middle)
C/O BIOMARIN
PHARMACEUTICAL INC., 10
DIGITAL DRIVE
(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
10/25/2010

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. 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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| | | | | (A) or (D) | Price | | |
| Common Stock | 10/25/2010 ⁽¹⁾ | 10/25/2010 | M | 1,459 | A \$ 5.15 | 27,945 | D |
| Common Stock | 10/25/2010 ⁽¹⁾ | 10/25/2010 | M | 13,750 | A \$ 6.13 | 41,695 | D |
| Common Stock | 10/25/2010 ⁽¹⁾ | 10/25/2010 | S | 15,209 | D \$ 24 | 26,486 | 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)

required to respond unless the form displays a currently valid OMB control 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 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) | \$ 5.15 | 10/25/2010 | | M | 1,459 | 02/19/2005 ⁽²⁾ | 08/18/2014 | Common Stock | 1,459 |
| Stock Option (right to buy) | \$ 6.13 | 10/25/2010 | | M | 13,750 | 07/07/2005 ⁽³⁾ | 01/07/2015 | Common Stock | 13,750 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|----------------------------------------------------------------------------------------------|---------------|-----------|------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Cooper Jeffrey H C/O BIOMARIN PHARMACEUTICAL INC. 10 DIGITAL DRIVE NOVATO, CA 94949 | | | SVP, Chief Financial Officer | |

Signatures

Laura Randall Woodhead,
Attorney-in-Fact

10/27/2010

**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 10b5-1 Trading plan executed on March 9, 2010.

(2) Original option grant vested 6/48ths on February 19, 2005 and 1/48th on the 19th of every month thereafter.

(3) Original option grant vested 6/48ths on July 7, 2005 and 1/48th on the 7th of every 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.

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