

Cooper Jeffrey H
 Form 4
 November 24, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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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., 105 DIGITAL DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 11/24/2010

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)			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 Beneficial Ownership (Instr. 4)	
				Code	V	Amount				(A) or (D)
Common Stock	10/29/2010 ⁽¹⁾	10/29/2010	A	V	324	A	\$ 11.6365	26,810	D	
Common Stock	11/24/2010 ⁽²⁾	11/24/2010	M		11,250	D	\$ 14.39	38,060	D	
Common Stock	11/24/2010 ⁽²⁾	11/24/2010	S		11,250	D	\$ 27.5	26,810	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)

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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)
Stock Option (right to buy)	\$ 11.74	11/24/2010 ⁽³⁾	11/24/2010	M	11,250	11/12/2009 ⁽³⁾ 05/11/2019	Common Stock 11,250

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Cooper Jeffrey H C/O BIOMARIN PHARMACEUTICAL INC. 105 DIGITAL DRIVE NOVATO, CA 94949			SVP, Chief Financial Officer	

Signatures

Laura Randall Woodhead,
Attorney-in-Fact
11/24/2010

**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) The reporting person is voluntarily reporting the acquisition of shares of the issuer's common stock pursuant to the issuer's Employee Stock Purchase Plan ("ESPP"), for the ESPP purchase period of May 1, 2010 to October 29, 2010.
- (2) Transaction made pursuant to a Rule 10b5-1 Trading plan executed on March 9, 2010.
- (3) Original option grant vested 6/48ths on November 12, 2009 and 1/48th on the 12th 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. 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.