#### BIOMARIN PHARMACEUTICAL INC

Form 4

August 31, 2006

# FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

**OMB APPROVAL** 

Form 4 or Form 5 obligations

**SECURITIES** Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Estimated average burden hours per 0.5 response...

may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

Common

Stock

08/29/2006(1)

08/29/2006

S

6,000

D

\$ 16 0

D

(Print or Type Responses)

1. Name and A Cooper Jeff	Symbol BIOM	2. Issuer Name <b>and</b> Ticker or Trading Symbol BIOMARIN PHARMACEUTICAL INC [BMRN]				5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)				
PHARMAC	(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) /O BIOMARIN 08/29/2006 HARMACEUTICAL INC., 105 IGITAL DRIVE						Director 10% Owner X Officer (give title Other (specify below)			
	(Street)	4. If An	4. If Amendment, Date Original				6. Individual or Joint/Group Filing(Check			
NOVATO,	CA 94949	Filed(M	Filed(Month/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State) (Zip) 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, is any (Month/Day/Year	Code	Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)  (A) or			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		
Common Stock	08/29/2006(1)	08/29/2006	M	20,000	A	\$ 8.1	20,000	D		
Common Stock	08/29/2006(1)	08/29/2006	M	6,000	A	\$ 6.13	26,000	D		
Common Stock	08/29/2006(1)	08/29/2006	S	20,000	D	\$ 16	6,000	D		

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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 orDerivative Securities Acquired (A) or Disposed of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amoun Underlying Securit (Instr. 3 and 4)	
					(Instr. 3, 4, and 5)	Date Exercisable	Expiration Date	Title	Amo or Num
Stock Option (right to buy)	\$ 8.1	08/29/2006		Code V  M	(A) (D) 20,000	04/06/2004(2)	10/05/2013	Common Stock	of Sh 20,0
Stock Option (right to buy)	\$ 6.13	08/29/2006		M	6,000	07/07/2005(2)(3)	01/06/2015	Common Stock	6,0

## **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

VP, Chief Financial Officer

### **Signatures**

/s/ G. Eric Davis, Attorney-in-Fact 08/31/2006

\*\*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) Transactions made pursuant to a 10b5-1 Trading Plan.

Reporting Owners 2

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- (2) Options vested 6/48ths on April 6, 2004 and 1/48th per month thereafter.
- (3) Options vested 6/48ths on July 7, 2005 and 1/48th per 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.