BIOMARIN PHARMACEUTICAL INC

Form 4

March 17, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Check this box

OMB APPROVAL

OMB Number: 3235-0287 January 31,

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if no longer subject to Section 16. Form 4 or Form 5

Form 5
obligations
may continue.

See Instruction

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

1(b).

(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)			
(Last) C/O BIOM PHARMAC DIGITAL I	ARIN CEUTICAL INC.,	(Me	3. Date of Earliest Transaction (Month/Day/Year) 03/16/2006				Director 10% Owner Officer (give title Other (specify below)			
NOVATO,	(Street) CA 94949		4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-	Derivative	Securi	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Datany (Month/Day/Y	Code Year) (Instr. 8)	, if Transaction(A) or Disposed of (D) Code (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 Beneficial Ownership (Instr. 4)	
Common Stock	03/16/2006(1)	03/16/2006	6 M	12,500	A	\$ 8.1	12,500	D		
Common Stock	03/16/2006(1)	03/16/2006	5 S	12,500	D	\$ 14.85	0	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 or 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 o Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Option (right to buy)	\$ 8.1	03/16/2006(1)		M	12,500	04/06/2004(2)	10/05/2013	Common Stock	12,500

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 Chief Financial Officer

Signatures

/s/ G. Eric Davis, Attorney-in-Fact 03/17/2006

**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.
- (2) Options vested 6/48ths on April 6, 2004 and 1/48ths 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.

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