BIOMARIN PHARMACEUTICAL INC

04/04/2007(1)

04/04/2007

M

5,000

A

\$ 6.46

21,642

D

Form 4 April 09, 2007

FORM 4

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

Check this box if no longer

subject to Section 16. Form 4 or Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **BIENAIME JEAN JACQUES** Issuer Symbol **BIOMARIN PHARMACEUTICAL** (Check all applicable) INC [BMRN] _X__ Director (Last) (First) (Middle) 3. Date of Earliest Transaction 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) C/O BIOMARIN 04/04/2007 Chief Executive Officer PHARMCEUTICAL INC., 105 DIGITAL DRIVE (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting NOVATO, CA 94949 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 5. Amount of 7. Nature of 4. Securities Acquired Indirect Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Indirect (I) **Following** (Instr. 4) Reported (Instr. 4) (A) Transaction(s) (Instr. 3 and 4) Code V (D) Price Amount Common 04/04/2007(1) 04/04/2007 S \$ 17.85 17,642 D 500 D Stock Common 04/04/2007(1) S 500 \$ 17.83 17.142 D 04/04/2007 D Stock Common 04/04/2007(1) S 400 D 04/04/2007 D \$ 17.72 16,742 Stock Common S 100 D 04/04/2007(1) 04/04/2007 \$ 17.71 16,642 D Stock

OMB APPROVAL

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Common Stock							
Common Stock	04/04/2007(1)	04/04/2007	S	100	D	\$ 17.89 21,542	D
Common Stock	04/04/2007(1)	04/04/2007	S	400	D	\$ 17.891 21,142	D
Common Stock	04/04/2007(1)	04/04/2007	S	100	D	\$ 17.9 21,042	D
Common Stock	04/04/2007(1)	04/04/2007	S	400	D	\$ 17.901 20,642	D
Common Stock	04/04/2007(1)	04/04/2007	S	200	D	\$ 17.91 20,442	D
Common Stock	04/04/2007(1)	04/04/2007	S	800	D	\$ 17.911 19,642	D
Common Stock	04/04/2007(1)	04/04/2007	S	100	D	\$ 17.94 19,542	D
Common Stock	04/04/2007(1)	04/04/2007	S	400	D	\$ 17.941 19,142	D
Common Stock	04/04/2007(1)	04/04/2007	S	100	D	\$ 17.95 19,042	D
Common Stock	04/04/2007(1)	04/04/2007	S	400	D	\$ 17.951 18,642	D
Common Stock	04/04/2007(1)	04/04/2007	S	200	D	\$ 17.96 18,442	D
Common Stock	04/04/2007(1)	04/04/2007	S	800	D	\$ 17,642	D
Common Stock	04/04/2007(1)	04/04/2007	S	100	D	\$ 17.7 17,542	D
Common Stock	04/04/2007(1)	04/04/2007	S	400	D	\$ 17.701 17,142	D
Common Stock	04/04/2007(1)	04/04/2007	S	500	D	\$ 17.8 16,642	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)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)		4. Transactio Code (Instr. 8)	5. Number boof Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			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)	\$ 6.46	04/04/2007(1)	04/04/2007	M	5,000	05/11/2005(2)	05/10/2015	Common Stock	5,000

Reporting Owners

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

Signatures

/s/ G. Eric Davis, Attorney-in-Fact 04/09/2007

**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 Rule 10b5-1 Trading Plan.
- (2) Options vest 1/3 each on May 11, 2006, May 11, 2007, and May 11, 2008.

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