

BIOMARIN PHARMACEUTICAL INC  
 Form 4  
 April 09, 2007

**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

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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 \*  
 BIENAIME JEAN JACQUES

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)  
 Chief Executive Officer

(Last) (First) (Middle)  
 C/O BIOMARIN PHARMCEUTICAL INC., 105 DIGITAL DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 04/04/2007

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) (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 Ownership (Instr. 4)
			Code	V	Amount	Price	
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S		500	\$ 17.85	17,642 D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S		500	\$ 17.83	17,142 D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S		400	\$ 17.72	16,742 D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S		100	\$ 17.71	16,642 D
	04/04/2007 <sup>(1)</sup>	04/04/2007	M		5,000	\$ 6.46	21,642 D

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Common Stock								
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	100	D	\$ 17.89	21,542	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	400	D	\$ 17.891	21,142	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	100	D	\$ 17.9	21,042	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	400	D	\$ 17.901	20,642	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	200	D	\$ 17.91	20,442	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	800	D	\$ 17.911	19,642	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	100	D	\$ 17.94	19,542	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	400	D	\$ 17.941	19,142	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	100	D	\$ 17.95	19,042	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	400	D	\$ 17.951	18,642	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	200	D	\$ 17.96	18,442	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	800	D	\$ 17.961	17,642	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	100	D	\$ 17.7	17,542	D
Common Stock	04/04/2007 <sup>(1)</sup>	04/04/2007	S	400	D	\$ 17.701	17,142	D
Common Stock	04/04/2007 <sup>(1)</sup>	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)	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)	\$ 6.46	04/04/2007 <sup>(1)</sup>	04/04/2007	M	5,000	05/11/2005 <sup>(2)</sup>	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.

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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