

BIOMARIN PHARMACEUTICAL INC  
 Form 4  
 December 19, 2007

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

OMB APPROVAL  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 PHARMACEUTICAL INC., 105 DIGITAL DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 12/17/2007

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				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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	Price				
Common Stock	10/31/2007 <sup>(1)</sup>		P	V	518	A	\$ 6.919	7,213	D	
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	M		15,000	A	\$ 6.46	22,213	D	
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S		1,500	D	\$ 35.1501	20,713	D	
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S		1,500	D	\$ 35.28	19,213	D	
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S		1,310	D	\$ 35.43	17,903	D	

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Common Stock								
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	190	D	\$ 35.44	17,713	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	100	D	\$ 35.49	17,613	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	1,400	D	\$ 35.4901	16,213	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	1,500	D	\$ 35.54	14,713	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	375	D	\$ 35.6401	14,338	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	1,500	D	\$ 35.6675	12,838	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	1,500	D	\$ 35.6701	11,338	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	1,125	D	\$ 35.92	10,213	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	1,500	D	\$ 35.4	8,713	D
Common Stock	12/17/2007 <sup>(2)</sup>	12/17/2007	S	1,500	D	\$ 35.8101	7,213	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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(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 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	\$ 6.46	12/17/2007 <sup>(2)</sup>	12/17/2007	M	15,000	05/11/2006 <sup>(3)</sup>	05/10/2015	Common Stock	15,000

(right to  
buy)

## Reporting Owners

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

## Signatures

/s/ G. Eric Davis,  
Attorney-in-Fact

12/19/2007

\_\_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 the Employee Stock Purchase Plan.
- (2) Transaction made pursuant to a Rule 10b5-1 Trading Plan.
- (3) Options vested 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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