

BIOMARIN PHARMACEUTICAL INC  
 Form 4  
 March 10, 2008

**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 \*  
**KAKKIS EMIL D**

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 Medical Officer

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

3. Date of Earliest Transaction (Month/Day/Year)  
**03/06/2008**

**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	(A) or (D)	Price
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	M		18,000	A	\$ 4
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S		100	D	\$ 37.99
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S		300	D	\$ 38
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S		1,300	D	\$ 38.01
	03/06/2008 <sup>(1)</sup>	03/06/2008	S		1,200	D	
							104,164
							104,064
							103,764
							102,464
							101,264

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Common Stock						\$ 38.02		
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	500	D	\$ 38.03	100,764	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	1,200	D	\$ 38.04	99,564	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	500	D	\$ 38.05	99,064	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	500	D	\$ 38.06	98,564	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	400	D	\$ 38.07	98,164	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	200	D	\$ 38.08	97,964	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	300	D	\$ 38.1	97,664	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	400	D	\$ 38.11	97,264	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	200	D	\$ 38.12	97,064	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	800	D	\$ 38.13	96,264	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	400	D	\$ 38.14	95,864	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	300	D	\$ 38.15	95,564	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	200	D	\$ 38.16	95,364	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	200	D	\$ 38.2	95,164	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	300	D	\$ 38.21	94,864	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	200	D	\$ 38.22	94,664	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	500	D	\$ 38.23	94,164	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	700	D	\$ 38.24	93,464	D
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	3,000	D	\$ 38.25	90,464	D
	03/06/2008 <sup>(1)</sup>	03/06/2008	S	2,300	D		88,164	D

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Common Stock						\$ 38.26			
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	1,500	D	\$ 38.27	86,664	D	
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	200	D	\$ 38.29	86,464	D	
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	200	D	\$ 38.31	86,264	D	
Common Stock	03/06/2008 <sup>(1)</sup>	03/06/2008	S	100	D	\$ 38.34	86,164	D	
Common Stock							4,654	I	Shares held by spouse

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

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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)	Amount or Number of Shares
Stock Option (right to buy)	\$ 4	03/06/2008 <sup>(1)</sup>	03/06/2008	M	18,000	12/24/1998 <sup>(2)</sup> 06/21/2008	Common Stock	18,000

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director 10% Owner Officer Other

KAKKIS EMIL D  
C/O BIOMARIN PHARMACEUTICAL INC.  
105 DIGITAL DRIVE

Chief Medical Officer

NOVATO, CA 94949

## Signatures

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

03/10/2008

  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 a Rule 10b5-1 Trading Plan.
  - (2) Original option grant vested 6/48ths on 12/24/1998 and 1/48th on the 24th of every month thereafter.

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