

BIOMARIN PHARMACEUTICAL INC  
 Form 4  
 April 02, 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)  
**04/01/2008**

**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 Beneficial Ownership (Instr. 4)
				Code	V	Amount or Price			
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	M			18,000 A \$ 4	104,164	D	
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S			700 D \$ 35.6825	103,464	D	
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S			100 D \$ 35.724	103,364	D	
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S			700 D \$ 35.655	102,664	D	
	04/01/2008 <sup>(1)</sup>	04/01/2008	S			200 D	102,464	D	

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Common Stock						\$ 35.6483		
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.6817	102,264	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	100	D	\$ 35.6925	102,164	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.7049	101,964	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	100	D	\$ 35.69	101,864	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.687	101,664	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	800	D	\$ 35.7075	100,864	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.7101	100,664	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.7042	100,464	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.7317	100,264	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	300	D	\$ 35.68	99,964	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.7	99,764	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.66	99,564	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	300	D	\$ 35.65	99,264	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.6781	99,064	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.667	98,864	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 35.7033	98,664	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	100	D	\$ 35.7975	98,564	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	670	D	\$ 35.78	97,894	D
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	30	D	\$ 35.74	97,864	D
	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D		97,664	D

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Common Stock						\$			
						35.7631			
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	250	D	\$ 35.84	97,414	D	
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	550	D	\$ 35.83	96,864	D	
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	200	D	\$ 36.087	96,664	D	
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	537	D	\$ 36.08	96,127	D	
Common Stock	04/01/2008 <sup>(1)</sup>	04/01/2008	S	106	D	\$ 36.01	96,021	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 (right to buy)	\$ 4	04/01/2008 <sup>(1)</sup>	04/01/2008	M	18,000	06/24/1998 <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  
NOVATO, CA 94949

Chief Medical Officer

## Signatures

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

04/01/2008

\_\_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.
- (3) Number of derivative securities amended to reflect options that expired unexercised during a prior year period.

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