

BIOMARIN PHARMACEUTICAL INC  
 Form 4  
 August 20, 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 \*  
 Cooper Jeffrey H

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)  
 SVP, Chief Financial Officer

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

3. Date of Earliest Transaction (Month/Day/Year)  
 08/17/2007

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 (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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	08/17/2007		M		8,958 A \$ 7.76	8,958	D
Common Stock	08/17/2007		M		4,291 A \$ 5.15	13,249	D
Common Stock	08/17/2007		M		6,751 A \$ 6.13	20,000	D
Common Stock	08/17/2007		S		1,500 D \$ 20.12	18,500	D
	08/17/2007		S		644 D	17,856	D

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Common Stock					\$ 20.13		
Common Stock	08/17/2007	S	200	D	\$ 20.14	17,656	D
Common Stock	08/17/2007	S	100	D	\$ 20.15	17,556	D
Common Stock	08/17/2007	S	100	D	\$ 20.18	17,456	D
Common Stock	08/17/2007	S	100	D	\$ 20.23	17,356	D
Common Stock	08/17/2007	S	200	D	\$ 20.25	17,156	D
Common Stock	08/17/2007	S	2,286	D	\$ 20.26	14,870	D
Common Stock	08/17/2007	S	4,854	D	\$ 20.27	10,016	D
Common Stock	08/17/2007	S	4,800	D	\$ 20.28	5,216	D
Common Stock	08/17/2007	S	616	D	\$ 20.29	4,600	D
Common Stock	08/17/2007	S	1,000	D	\$ 20.35	3,600	D
Common Stock	08/17/2007	S	500	D	\$ 20.36	3,100	D
Common Stock	08/17/2007	S	900	D	\$ 20.37	2,200	D
Common Stock	08/17/2007	S	2,000	D	\$ 20.46	200	D
Common Stock	08/17/2007	S	100	D	\$ 20.47	100	D
Common Stock	08/17/2007	S	100	D	\$ 20.5	0	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)	\$ 7.76	08/17/2007		M	8,958	06/30/2004 <sup>(1)</sup>	12/30/2013	Common Stock	8,958
Stock Option (right to buy)	\$ 5.15	08/17/2007		M	4,291	02/19/2005 <sup>(2)</sup>	08/18/2014	Common Stock	4,291
Stock Option (right to buy)	\$ 6.13	08/17/2007		M	6,751	07/07/2005 <sup>(3)</sup>	01/07/2015	Common Stock	6,751

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Cooper Jeffrey H C/O BIOMARIN PHARMACEUTICAL INC. 105 DIGITAL DRIVE NOVATO, CA 94949			SVP, Chief Financial Officer	

## Signatures

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

08/20/2007

\*\*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) Options vested 6/48ths on June 30, 2004 and 1/48th per month thereafter.

(2) Options vested 6/48ths on February 19, 2005 and 1/48th per month thereafter.

(3) Options vested 6/48ths on July 7, 2005 and 1/48th per month thereafter.

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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