BIOMARIN PHARMACEUTICAL INC Form SC 13G/A February 13, 2008

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

SCHEDULE 13G (Rule 13d-102)

Information Statement Pursuant to Rules 13d-1 and 13d-2 Under the Securities Exchange Act of 1934 (Amendment No. 1)*

BioMarin Pharmaceutical Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

09061G101

(CUSIP Number)

December 31, 2007

Date of Event Which Requires Filing of the Statement

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

o Rule 13d-1(b)
x Rule 13d-1(c)
o Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1.	NAME OF REPORTING S.S. OR I.R.S. IDENTIFI		ABOVE PERSON			
	Citadel Investment Group, L.L.C.					
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o					
3.	SEC USE ONLY					
4.	CITIZENSHIP OR PLAC Delaware limited liabili		TION			
	NUMBER OF	5.	SOLE VOTING POWER			
I	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER			
	EACH		6,923,331 shares			
	REPORTING PERSON WITH	7.	SOLE DISPOSITIVE POWER 0			
		8.	SHARED DISPOSITIVE POWER See Row 6 above.			
9.	AGGREGATE AMOUN See Row 6 above.	T BENEFICIALLY	OWNED BY EACH REPORTING PERSON			
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0					
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	Approximately 6.7% ⁽¹⁾	as of December 31,	2007.			
12.	TYPE OF REPORTING PERSON OO; HC					

⁽¹⁾Based on 96,817,004 outstanding shares of the Common Stock of Issuer, as reported in the Issuer's Quarterly Report on Form 10-Q for the period ended September 30, 2007, as filed with the Securities and Exchange Commission on November 5, 2007.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
	Citadel Investment Group II, L.L.C.				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o				
3.	SEC USE ONLY				
4.	4. CITIZENSHIP OR PLACE OF ORGANIZATION Delaware limited liability company				
	5. SOLE VOTING POWER NUMBER OF 0				
]	SHARES BENEFICIALLY OWNED BY EACH	6.	SHARED VOTING POWER 6,923,331 shares		
	REPORTING PERSON WITH	7.	SOLE DISPOSITIVE POWER 0		
	8. SHARED DISPOSITIVE POWER See Row 6 above.				
9.	9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above.				
10.	10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0				
11.					
	Approximately 6.7% ⁽²⁾ a	as of December 31,	2007.		
12.	2. TYPE OF REPORTING PERSON OO; HC				
(2)	See footnote 1 above				

(2) See footnote 1 above.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
	Citadel Limited Partnership				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o				
3.	SEC USE ONLY				
4.	CITIZENSHIP OR PLAC Delaware limited partne		ΓΙΟΝ		
	5. SOLE VOTING POWER NUMBER OF				
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER		
	EACH REPORTING		6,923,331 shares		
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0		
		8.	SHARED DISPOSITIVE POWER See Row 6 above.		
9.					
10.	10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0				
11.	11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	Approximately $6.7\%^{(3)}$ as of December 31, 2007.				
12.	12. TYPE OF REPORTING PERSON PN; HC				
(3)	• •	6 6	ota 1 abaya		

(3) See footnote 1 above.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON			
	Kenneth Griffin			
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o			
3.	SEC USE ONLY			
4.	CITIZENSHIP OR PLAC U.S. Citizen	CE OF ORGANIZA	TION	
	NUMBER OF	5.	SOLE VOTING POWER 0	
]	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER	
	EACH REPORTING		6,923,331 shares	
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0	
		8.	SHARED DISPOSITIVE POWER See Row 6 above.	
9.	AGGREGATE AMOUN See Row 6 above.	T BENEFICIALLY	OWNED BY EACH REPORTING PERSON	
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0			
11.	11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) Approximately 6.7% ⁽⁴⁾ as of December 31, 2007. 12. TYPE OF REPORTING PERSON IN; HC			
12.				

(4) See footnote 1 above.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
	Citadel Holdings I LP				
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o				
3.	SEC USE ONLY				
4.					
	5. SOLE VOTING POWER 0				
	SHARES BENEFICIALLY OWNED BY	6.	SHARED VOTING POWER		
	EACH REPORTING		6,923,331 shares		
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0		
	8. SHARED DISPOSITIVE POWER See Row 6 above.				
9.					
10.	10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0				
11.	11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	Approximately $6.7\%^{(5)}$ as of December 31, 2007.				
12.	12. TYPE OF REPORTING PERSON PN; HC				
(5)	·	G 6	ota 1 abova		

(5) See footnote 1 above.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
	Citadel Equity Fund Ltd.		
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o		
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands company		
	5. SOLE VOTING POWER NUMBER OF 0		
В	SHARES ENEFICIALLY OWNED BY	6.	SHARED VOTING POWER
	EACH REPORTING		6,923,331 shares
	PERSON WITH	7.	SOLE DISPOSITIVE POWER 0
		8.	SHARED DISPOSITIVE POWER See Row 6 above.
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above.		
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0		
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	Approximately 6.7% ⁽⁶⁾	as of December 31,	2007.
12.	TYPE OF REPORTING PERSON CO		

(6) See footnote 1 above.

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1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON			
	Citadel Derivatives Group LLC			
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o			
3.	SEC USE ONLY			
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware limited liability company			
	5. SOLE VOTING POWER NUMBER OF			
SHARES BENEFICIALLY OWNED BY EACH		6.	SHARED VOTING POWER 6,923,331 shares	
	REPORTING PERSON WITH	7.	SOLE DISPOSITIVE POWER 0	
		8.	SHARED DISPOSITIVE POWER See Row 6 above.	
9.	9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON See Row 6 above.			
10.	10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES 0			
11.				
	Approximately 6.7% ⁽⁷⁾ as of December 31, 2007.			
12.	TYPE OF REPORTING PERSON OO; BD			
(7)		C C 4	ote 1 above	

(7) See footnote 1 above.

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Item 1(a) Name of Issuer: **BIOMARIN PHARMACEUTICAL INC.**

1(b) Address of Issuer's Principal Executive Offices:

105 Digital Drive Novato, California 94949

Item 2(a) Name of Person Filing⁽⁸⁾

Item 2(b) Address of Principal Business Office

Item 2(c) Citizenship

Citadel Investment Group, L.L.C.

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited liability company

Citadel Investment Group II, L.L.C.

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited liability company

Citadel Limited Partnership

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited partnership

Kenneth Griffin

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

U.S. Citizen

Citadel Holdings I LP

c/o Citadel Investment Group II, L.L.C.

131 S. Dearborn Street

32nd Floor

Chicago, Illinois 60603

Delaware limited partnership

⁽⁸⁾ Citadel Holdings Ltd., a Cayman Islands company ("CH"), is majority owned by Citadel Kensington Global Strategies Fund Ltd., a Bermuda company ("CKGSF"). Citadel Equity Fund Ltd. ("CEF") is a subsidiary of CH. CKGSF

and CH do not have control over the voting or disposition of securities held by CEF. Until December 31, 2007, Citadel Wellington LLC, a Delaware limited liability company ("CW"), was the majority owner of Citadel Derivatives Group LLC ("CDG"). Effective January 1, 2008, Citadel Derivatives Group Investors LLC, a Delaware limited liability company ("CDGI"), became the majority owner of CDG. CW did not, and CDGI does not, have control over the voting or disposition of securities held by CDG. Citadel Investment Group II, L.L.C. and Citadel Holdings I LP are included in this filing as Reporting Persons even though such entities did not have control over the voting or disposition of securities held by CDG until January 1, 2008.

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	131 S. Dearborn 32nd Floor Chicago, Illinois Cayman Islands Citadel Derivati c/o Citadel Inve 131 S. Dearborn 32nd Floor Chicago, Illinois	stment Group, L.L.C. n Street s 60603 c company ves Group LLC stment Group II, L.L.C. n Street
	2(d)	Title of Class of Securities:
	Common	Stock, par value \$0.001.
	2(e)	CUSIP Number: 09061G101
Item 3 If this statemen	nt is filed pursuant to Rules 13	d-1(b), or 13d-2(b) or (c), check whether the person filing is a:
(a)	[_] Broker or de	ealer registered under Section 15 of the Exchange Act;
(b)	[] Ban	k as defined in Section 3(a)(6) of the Exchange Act;
(c)	[_] Insurance comp	any as defined in Section 3(a)(19) of the Exchange Act;
(d) []	Investment company re	egistered under Section 8 of the Investment Company Act;
(e)	[] An investme	ent adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
(f) [_]	An employee benefit plan or e	endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
(g) [_]	A parent holding company or	r control person in accordance with Rule 13d-1(b)(1)(ii)(G);
(h) [_]	A savings association as de	fined in Section 3(b) of the Federal Deposit Insurance Act;
(i)[_]A church plan Investment Co		efinition of an investment company under Section 3(c)(14) of the
(j)	[_]	Group, in accordance with Rule 13d-1(b)(1)(ii)(J).
If this statement is file	ed pursuant to Rule 13d-1(c), o	check this box. x

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Item 4	em 4 Ownership:		
CITADEL INVESTME CITADEL INVESTME CITADEL LIMITED E KENNETH GRIFFIN CITADEL HOLDINGS CITADEL EQUITY FO CITADEL DERIVATION	ENT GROUP II, L.L.C. PARTNERSHIP S I LP UND LTD.		
(a) Amount beneficially	owned:		
6,923,331 shares			
(b) Percent of Class:			
Approximately 6.7% ⁽⁹⁾ a	s of December 31, 2007.		
(c) Number of shares as	to which such person has:		
(i) sole power to vote or	to direct the vote:		
		(0
(ii) shared power to vote	or to direct the vote:		
See Item 4(a) above.			
(iii) sole power to dispos	e or to direct the disposition	n of:	
		(0
(iv) shared power to disp	ose or to direct the dispositi	ion of:	
See Item 4(a) above.			
Item 5	Ownership of	Five Percent or Less of a Class:	
Not Applicable.			
Item 6	Ownership of More than	Five Percent on Behalf of Another P	Person
Not Applicable.			
(9)	See	e footnote 1 above.	

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Item Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company:

See Item 2 above.

Item 8 Identification and Classification of Members of the Group:

Not Applicable.

Item 9 Notice of Dissolution of Group:

Not Applicable.

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

* John C. Nagel is signing on behalf of Kenneth Griffin as attorney-in-fact pursuant to a power of attorney previously filed with the Securities and Exchange Commission on February 24, 2006, and hereby incorporated by reference herein. The power of attorney was filed as an attachment to a filing by Citadel Limited Partnership on Schedule 13G for Morgans Hotel Group Co.

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After reasonable inquiry and to the best of its knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated this 13th day of February, 2008.

KENNETH GRIFFIN

By: /s/ John C. Nagel

John C. Nagel, attorney-in-fact*

CITADEL LIMITED PARTNERSHIP

By: Citadel Investment Group, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL DERIVATIVES GROUP LLC

By: Citadel Holdings I LP,

its Manager

By: Citadel Investment Group II, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL INVESTMENT GROUP II, L.L.C.

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL HOLDINGS I LP

By: Citadel Investment Group II, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL EQUITY FUND LTD.

By: Citadel Limited Partnership,

its Portfolio Manager

By: Citadel Investment Group, L.L.C.,

its General Partner

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

CITADEL INVESTMENT GROUP, L.L.C.

By: /s/ John C. Nagel

John C. Nagel, Authorized Signatory

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