UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): February 20, 2007

BioMarin Pharmaceutical Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of

000-26727 (Commission File Number) 68-0397820 (IRS Employer

incorporation or organization)

Identification No.)

105 Digital Drive, Novato, California (Address of principal executive offices)

94949 (Zip Code)

Registrant s telephone number, including area code: (415) 506-6700

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

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- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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Item 2.02. Results of Operations and Financial Condition.

On February 20, 2007, BioMarin Pharmaceutical Inc. (the Company) announced financial results for its fourth quarter and year ended December 31, 2006. The Company s press release issued on February 20, 2007 is attached hereto as Exhibit 99.1 and is incorporated by reference herein.

Item 9.01. Financial Statements and Exhibits.

(a) Financial Statements of Business Acquired.

Not Applicable.

(b) Pro Forma Financial Information.

Not Applicable.

(c) Shell Company Transactions.

Not Applicable.

(d) Exhibits.

Exhibit 99.1 Press Release of the Company dated February 20, 2007.

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

BioMarin Pharmaceutical Inc., a Delaware corporation (Registrant)

Date February 20, 2007

/s/ G. Eric Davis G. Eric Davis

Vice President, General Counsel

EXHIBIT INDEX

Exhibit No. Description

Exhibit 99.1 Press Release of the Registrant dated February 20, 2007

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