MEDICINES CO /DE Form 8-K July 02, 2007

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): July 2, 2007

The Medicines Company

(Exact Name of Registrant as Specified in Charter)

000-31191

(Commission

File Number)

Delaware (State or Other Jurisdiction of Incorporation)

> 8 Campus Drive Parsippany, New Jersey (Address of Principal Executive Offices)

Registrant s telephone number, including area code: (973) 656-1616

(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):

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

04-3324394 (IRS Employer Identification No.)

> 07054 (Zip Code)

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Item 7.01. Regulation FD Disclosure.

On July 2, 2007, The Medicines Company (the Company) reported that the Company has submitted a new drug application (NDA) for Cleviprex (clevidipine) to the Food and Drug Administration.

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.

THE MEDICINES COMPANY

Date: July 2, 2007

By:

/s/ Paul M. Antinori Paul M. Antinori Senior Vice President and General Counsel