

MiddleBrook Pharmaceuticals, Inc.  
Form SC 13G/A  
February 13, 2008

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

**SCHEDULE 13G**

**(Rule 13d-102)**

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b) (c) and (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO 13d-2(b)  
(Amendment No. 4)\***

**MiddleBrook Pharmaceuticals, Inc.**

(Name of Issuer)

**Common Stock, Par Value \$0.01 Per Share**

(Title of Class of Securities)

**00764L 10 9**

(CUSIP Number)

**December 31, 2007**

(Date of Event Which Requires Filing of this Statement)

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

Rule 13d-1(b)

Rule 13d-1(c)

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 the 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 (the 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** NAMES OF REPORTING PERSONS:  
The Bear Stearns Companies Inc.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

**2**  
(a)  p  
(b)  o

**3** SEC USE ONLY

**4** CITIZENSHIP OR PLACE OF ORGANIZATION  
New York, United States of America

**5** SOLE VOTING POWER  
NUMBER OF 0

**6** SHARES BENEFICIALLY OWNED BY  
SHARED VOTING POWER  
1,999,450<sup>1, 2</sup>

**7** EACH REPORTING PERSON  
SOLE DISPOSITIVE POWER  
0

**8** WITH:  
SHARED DISPOSITIVE POWER  
1,999,450<sup>1, 2</sup>

**9** AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
1,999,450<sup>1, 2</sup>

**10** CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\* (SEE INSTRUCTIONS)

o

**11** PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

4.3%<sup>3</sup>

**12** TYPE OF REPORTING PERSON\* (SEE INSTRUCTIONS)

CO

<sup>1</sup> The Bear Stearns Companies, Inc. ( BSCI ) is the parent company of Bear Stearns Asset Management, Inc. ( BSAM ). BSAM is the sole manager of Bear Stearns Health Innoventures Management, LLC ( Management ) and the sole manager of BSHI Members, LLC ( Members ). Dr. Ryser and Elizabeth Czerepak are managing partners of Management. Management is the sole general partner of Bear Stearns Health Innoventures, L.P. ( BSHI ), the sole general partner of Bear Stearns Health Innoventures Offshore, L.P. ( Offshore ), the sole general partner of BX, L.P. ( BX ), and the sole general partner of Bear Stearns Health Innoventures Employee Fund, L.P. ( Employee Fund ), and Members co-invests with these funds.

<sup>2</sup> The shares are directly owned as follows: 134,488 by Members; 289,362 by BSHI; 238,047 by Offshore; 1,149,850 by BX; and 187,703 by Employee Fund. Each Reporting Person disclaims beneficial ownership of any securities that exceed its pecuniary interest in the securities held by these entities.

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**Item 1(a). Name of Issuer:**

MiddleBrook Pharmaceuticals, Inc.

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

20425 Seneca Meadows Parkway  
Germantown, MD 20876

**Item 2(a). Name of Person Filing:**

The Bear Stearns Companies Inc.

**Item 2(b). Address of Principal Business Offices or, if None, Residence:**

383 Madison Ave.  
New York, NY 10179

**Item 2(c). Citizenship:**

New York, United States of America.

**Item 2(d). Title of Class of Securities:**

Common Stock, Par Value \$0.01 Per Share

**Item 2(e). CUSIP Number:**

00764L 10 9

<sup>3</sup> Based on 46,728,748 shares of common stock outstanding as of November 7, 2007, as disclosed on MiddleBrook Pharmaceuticals, Inc.'s Form 10-Q filed on November 14, 2007.

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**Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:**

- (a)  Broker or dealer registered under Section 15 of the Exchange Act.
- (b)  Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c)  Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d)  Investment Company registered under Section 8 of the Investment Company Act.
- (e)  An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i)  A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j)  Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

**Item 4. Ownership (as of December 31, 2007).**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:  
See Box 9 on cover pages.
  - (b) Percent of class:  
See Box 11 on cover pages.
  - (c) Number of shares as to which such person has:
    - (i) Sole power to vote or direct the vote:
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See Box 5 on cover pages.

(ii) Shared power to vote or direct the vote:

See Box 6 on cover pages.

(iii) Sole power to dispose or to direct the disposition of:

See Box 7 on cover pages.

(iv) Shared power to dispose or to direct the disposition of:

See Box 8 on cover pages.

**Item 5. Ownership of Five Percent or Less of a Class.**

If this statement is being filed to report the fact that as of the date hereof the reporting person had ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

Not applicable.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.**

Not applicable.

**Item 8. Identification and Classification of Members of the Group.**

See Exhibit Index.

**Item 9. Notice of Dissolution of Group.**

Not applicable.

**Item 10. Certification.**

Not applicable.

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**SIGNATURE**

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

Dated: February 13, 2008

**THE BEAR STEARNS COMPANIES INC.**

By: /s/ Kenneth L. Edlow  
Name: Kenneth L. Edlow  
Title: Secretary

**BEAR STEARNS ASSET MANAGEMENT  
INC.**

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Authorized Signatory

**BEAR STEARNS HEALTH INNOVENTURES  
MANAGEMENT, LLC**

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BSHI MEMBERS, L.L.C.**

By: Bear Stearns Asset Management Inc., its  
Manager

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Authorized Signatory

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**BEAR STEARNS HEALTH  
INNOVENTURES,  
L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BEAR STEARNS HEALTH INNOVENTURES  
OFFSHORE, L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BEAR STEARNS HEALTH INNOVENTURES  
EMPLOYEE FUND, L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BX, L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

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/s/ Elizabeth Czerepak  
Elizabeth Czerepak

/s/ Stefan Ryser  
Stefan Ryser

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative (other than an executive officer or general partner of the filing person), evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

*Note.* Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits.

*Attention.* Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

EXHIBIT INDEX TO SCHEDULE 13G

Exhibit 1

Agreement as to Joint Filing of Schedule 13G.

Exhibit 2

List of each group member making this joint filing.

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EXHIBIT 1

The undersigned hereby affirms that he, she or it is individually eligible to use Schedule 13G and agrees that this Schedule 13G is filed on his, her or its behalf.

Dated: February 13, 2008.

**THE BEAR STEARNS COMPANIES INC.**

By: /s/ Kenneth L. Edlow  
Name: Kenneth L. Edlow  
Title: Secretary

**BEAR STEARNS ASSET MANAGEMENT  
INC.**

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Authorized Signatory

**BEAR STEARNS HEALTH INNOVENTURES  
MANAGEMENT, LLC**

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BSHI MEMBERS, L.L.C.**

By: Bear Stearns Asset Management Inc., its  
Manager

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Authorized Signatory

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**BEAR STEARNS HEALTH  
INNOVENTURES,  
L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BEAR STEARNS HEALTH INNOVENTURES  
OFFSHORE, L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BEAR STEARNS HEALTH INNOVENTURES  
EMPLOYEE FUND, L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

**BX, L.P.**

By: Bear Stearns Health Innoventures  
Management, LLC, its General Partner

By: /s/ Elizabeth Czerepak  
Name: Elizabeth Czerepak  
Title: Managing Partner

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/s/ Elizabeth Czepak  
Elizabeth Czepak

/s/ Stefan Ryser  
Stefan Ryser

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EXHIBIT 2

In accordance with Item 8 of Schedule 13G, the following list identifies each member of the group making this joint Schedule 13G:

The Bear Stearns Companies Inc.

Bear Stearns Asset Management Inc.

Bear Stearns Health Innoventures Management, LLC

BSHI Members, L.L.C.

Bear Stearns Health Innoventures, L.P.

Bear Stearns Health Innoventures Offshore, L.P.

Bear Stearns Health Innoventures Employee Fund, L.P.

BX, L.P.

Elizabeth Czerepak

Stefan Ryser