

GLAXOSMITHKLINE PLC

Form 8-A12B

May 15, 2008

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**As filed with the Securities and Exchange Commission on May 15, 2008**

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

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**FORM 8-A  
FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR (g) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

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**GlaxoSmithKline plc**

*(Exact name of registrant as specified in its charter)*

**England and Wales**

*(Jurisdiction of incorporation or organization)*

**Not Applicable**

*(I.R.S. Employer Identification No.)*

**980 Great West Road, Brentford**

**Middlesex TW8 9GS, England**

*(Address of principal executive offices)*

Securities to be registered pursuant to Section 12(b) of the Act:

**GlaxoSmithKline Capital Inc.**

*(Exact name of registrant as specified in its charter)*

**Delaware**

*(Jurisdiction of incorporation or organization)*

**51-0332587**

*(I.R.S. Employer Identification No.)*

**1105 North Market Street, Suite 622**

**Wilmington, Delaware 19801, United States**

*(Address of principal executive offices)*

**Title of each class to be so registered**

4.850% Notes due 2013

5.650% Notes due 2018

6.375% Notes due 2038

Floating Rate Notes due 2010

**Name of each exchange on which each class is  
to be registered**

New York Stock Exchange

New York Stock Exchange

New York Stock Exchange

New York Stock Exchange

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), please check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), please check the following box.

Securities Act registration statement file numbers to which this form relates: 333-149531; 333-149531-02

Securities to be registered pursuant to Section 12(g) of the Act:  None

(Title of class)

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**Item 1. Description of Registrants Securities to be Registered.**

For a description of the securities to be registered hereunder, reference is made to the information under the heading Description of Debt Securities on pages 11 through 20 of the Prospectus dated March 4, 2008 included in the registration statement on Form F-3 (Registration Nos. 333-149531 and 333-149531-02) of GlaxoSmithKline Capital Inc. and GlaxoSmithKline plc, as supplemented by the information under the heading Description of the Notes on pages S-13 through S-18 of the related Prospectus Supplement, dated May 6, 2008, which information is incorporated by reference and made part of this registration statement in its entirety.

**Item 2. Exhibits.**

The securities to be registered hereunder are expected to be listed on the New York Stock Exchange, the exchange on which certain other securities of GlaxoSmithKline plc are currently registered. Pursuant to the Instructions as to Exhibits with respect to Form 8-A, the following exhibits are being filed with the Securities and Exchange Commission in connection with this Registration Statement:

- 1.1. Prospectus dated March 4, 2008 and Prospectus Supplement dated May 6, 2008 incorporated by reference to the registrants filing under Rule 424(b)(2) dated May 8, 2008 (Registration Nos. 333-149531 and 333-149531-02).
- 1.2. Indenture, dated as of April 6, 2004, among GlaxoSmithKline Capital Inc., GlaxoSmithKline plc, as guarantor, and Law Debenture Trust Company of New York (as successor to Citibank, N.A., pursuant to an Instrument of Resignation, Appointment and Acceptance dated December 27, 2007 between GlaxoSmithKline Capital Inc., GlaxoSmithKline plc, as guarantor, Law Debenture Trust Company of New York and Citibank, N.A.), incorporated by reference to Exhibit 4.3 of the registrants Report of Foreign Issuer on Form 6-K (File Nos. 333-104121 and 333-104121-02 ), filed with the Securities and Exchange Commission on April 7, 2004.
- 1.3. Form of Global Note for 4.850% Notes due 2013.
- 1.4. Form of Global Note for 5.650% Notes due 2018.
- 1.5. Form of Global Note for 6.375% Notes due 2038.
- 1.6. Form of Global Note for Floating Rate Notes due 2010.

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**SIGNATURE**

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, each of the registrants has duly caused this registration statement or amendment thereto to be signed on its behalf by the undersigned, thereunto duly authorized.

GLAXOSMITHKLINE CAPITAL INC.

By: /s/ Julian Spenser Heslop  
Name: Julian Spenser Heslop  
Title: President and Director

GLAXOSMITHKLINE PLC

By: /s/ Julian Spenser Heslop  
Name: Julian Spenser Heslop  
Title: Chief Financial Officer

Date: May 15, 2008

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