EPIX Pharmaceuticals, Inc.

Form 3

December 21, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement EPIX Pharmaceuticals, Inc. [EPIX] GLAXOSMITHKLINE PLC (Month/Day/Year) 12/18/2006 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 980 GREAT WEST ROAD (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) _X__ 10% Owner Director _X_ Form filed by One Reporting Officer Other Person (give title below) (specify below) **BRENTFORD** Form filed by More than One MIDDLESEX, X0Â TW8 9GS Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities 4. Nature of Indirect Beneficial 1. Title of Security Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Ι Common stock 4,266,795 by Corporation (1) (2) (3)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of | 5. Ownership Form of Derivative | orm of (Instr. 5) |
|--|--|--------------------|--|------------------------|------------------------------------|--|-------------------|
| | Date Exercisable | Expiration Date | | Amount or Number of | Derivative Security | Security: Direct (D) or Indirect | |

Shares

(I) (Instr. 5)

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

GLAXOSMITHKLINE PLC 980 GREAT WEST ROAD

ÂXÂ

BRENTFORD MIDDLESEX, X0Â TW8 9GS

Signatures

Victoria A. Whyte, Deputy Secretary

12/21/2006

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- On December 18, 2006, Glaxo Group Limited ("GGL") and SmithKline Beecham Corporation ("SBCorp"), indirect wholly-owned (1) subsidiaries of Reporting Person, purchased 1,629,689 and 1,379,338 shares of Common stock, respectively, pursuant to a Stock Purchase Agreement dated December 11, 2006 between GGL, SBCorp and the Issuer.
- (2) S.R.One, Limited ("SRO"), another indirect wholly-owned subsidiary of Reporting Person, previously acquired 1,257,768 shares of Common stock but was not required to file under Section 16(a) of the Securities Exchange Act of 1934, as amended (the "Act").
 - All shares covered by this report are beneficially owned by indirect wholly-owned subsidiaries of Reporting Person. The Reporting
- (3) Person may be deemed, for purposes of Section 16 of the Act to be the beneficial owner of GGL, SBCorp and SRO and, therefore, may be deemed to be a "10 percent beneficial owner" for purposes of Section 16 of the Act.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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