

Leuchtenberger Mark  
Form 4  
June 18, 2009

**FORM 4**

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

Check this box  
if no longer  
subject to  
Section 16.  
Form 4 or  
Form 5  
obligations  
may continue.  
*See* Instruction  
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF  
SECURITIES**

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  
30(h) of the Investment Company Act of 1940

## OMB APPROVAL

OMB  
Number: 3235-0287  
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2005  
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burden hours per  
response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Leuchtenberger Mark

(Last) (First) (Middle)

C/O EPIX PHARMACEUTICALS,  
INC., 4 MAGUIRE ROAD

(Street)

LEXINGTON, MA 02421

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading  
Symbol

EPIX Pharmaceuticals, Inc. [EPIX]

3. Date of Earliest Transaction  
(Month/Day/Year)

06/16/2009

4. If Amendment, Date Original  
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

☒ Director ☐ 10% Owner  
☐ Officer (give title below) ☐ Other (specify  
below)

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
☒ Form filed by One Reporting Person  
☐ Form filed by More than One Reporting  
Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities<br>Acquired (A) or<br>Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|
|                                       |                                         |                                                             |                                      | (A)<br>or<br>(D)                                                           |                                                                                                                    |                                                                      |                                                                   |
|                                       |                                         |                                                             | Code                                 | V                                                                          | Amount                                                                                                             | (D)                                                                  | Price                                                             |

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

**Persons who respond to the collection of  
information contained in this form are not  
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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
**(e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of<br>Derivative<br>Security | 2. Conversion<br>or Exercise | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any | 4. Transaction<br>Code | 5. Number of<br>Derivative<br>Securities | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and Amount of<br>Underlying Securities<br>(Instr. 3 and 4) | 8. D |
|---------------------------------------|------------------------------|-----------------------------------------|-----------------------------------------|------------------------|------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|------|
|                                       |                              |                                         |                                         |                        |                                          |                                                                |                                                                     | S    |

## Edgar Filing: Leuchtenberger Mark - Form 4

| (Instr. 3)                           | Price of<br>Derivative<br>Security | (Month/Day/Year) | (Instr. 8) | Acquired (A)<br>or Disposed of<br>(D)<br>(Instr. 3, 4,<br>and 5) |        |     |                     |                    |                 |                                     |  |
|--------------------------------------|------------------------------------|------------------|------------|------------------------------------------------------------------|--------|-----|---------------------|--------------------|-----------------|-------------------------------------|--|
|                                      |                                    |                  | Code       | V                                                                | (A)    | (D) | Date<br>Exercisable | Expiration<br>Date | Title           | Amount<br>or<br>Number<br>of Shares |  |
| Stock<br>Option<br>(right to<br>buy) | \$ 0.18                            | 06/16/2009       | A          |                                                                  | 25,000 |     | <u>(1)</u>          | 06/16/2019         | Common<br>Stock | 25,000                              |  |

## Reporting Owners

| Reporting Owner Name / Address                                                                 | Relationships |           |         |       |
|------------------------------------------------------------------------------------------------|---------------|-----------|---------|-------|
|                                                                                                | Director      | 10% Owner | Officer | Other |
| Leuchtenberger Mark<br>C/O EPIX PHARMACEUTICALS, INC.<br>4 MAGUIRE ROAD<br>LEXINGTON, MA 02421 | X             |           |         |       |

## Signatures

/s/ Kim Cobleigh Drapkin,  
Attorney-in-Fact

06/18/2009

\_\_Signature of Reporting Person Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(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).

The stock option vests in three equal annual installments such that it becomes fully-vested on the earlier of (i) the third anniversary of the (1) date of grant or (ii) the date of EPIX Pharmaceuticals, Inc's third annual meeting following the date of grant, in each case provided that the optionee is still a director of EPIX Pharmaceuticals, Inc. on each annual vesting date.

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.