Slichenmyer William Form 4 October 31, 2011

### FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

**OMB APPROVAL** OMB

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

**SECURITIES** Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person \*

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

Slichenmyer William

AVEO PHARMACEUTICALS INC

(Check all applicable)

[AVEO]

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

Director X\_ Officer (give title below)

10% Owner Other (specify

C/O AVEO PHARMACEUTICALS, 10/27/2011

(Street)

(State)

(Zip)

Chief Medical Officer

INC., 75 SIDNEY STREET

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

\_X\_ 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

CAMBRIDGE, MA 02139

(City)

| 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6      | 6. Ownership 7. Nature of |
|---|---------------------------|
| Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of Securities I | Form: Direct Indirect     |
| (Instr. 3) any Code (D) Beneficially (  | (D) or Beneficial         |
| (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned I                                 | Indirect (I) Ownership    |
| Following (   | (Instr. 4) (Instr. 4)     |
| Reported  |                           |
| (A) Transaction(s)  |                           |
| or (Instr. 3 and 4)   |                           |
| Code V Amount (D) Price   |                           |
| Common $10/27/2011$ $M_{\frac{(1)}{2}}$ 2,000 A \$ 8,000 I                              | D                         |
| Stock 9.64 9.64   | D                         |
|   |                           |
| Common 10/27/2011 S <sup>(1)</sup> 2,000 D \$ 17 6,000 I                                | D                         |
| Stock $\frac{10/27/2011}{}$ $\frac{5}{2}$ 2,000 D \$17 0,000                            | D                         |

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

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# 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<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4.<br>Transacti<br>Code<br>(Instr. 8) | 5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year)    |                    | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |  |
|---|---|--------------------------------------|---|---------------------------------------|---|---------------------|--------------------|---|--|
|   |   |                                      |   | Code V                                | (A) (D)   | Date<br>Exercisable | Expiration<br>Date | Title   | Amount<br>or<br>Number<br>of<br>Shares |
| Stock<br>Option<br>(right to<br>buy)                | \$ 9.64   | 10/27/2011                           |   | M                                     | 2,000   | (2)                 | 10/08/2019         | Common<br>Stock   | 2,000                                  |

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Slichenmyer William

C/O AVEO PHARMACEUTICALS, INC.

75 SIDNEY STREET CAMBRIDGE, MA 02139 Chief Medical Officer

8. I De Sec (In

## **Signatures**

/s/ Joseph D. Vittiglio, attorney-in-fact

10/31/2011

\*\*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).
- (1) The exercise and sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 13, 2010.
- (2) The option vested as to 25% of the shares on September 14, 2010 and thereafter vests in equal monthly installments as to the remaining shares through September 14, 2013.

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.

Reporting Owners 2