

Slichenmyer William
Form 4
November 18, 2010

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

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(Print or Type Responses)

1. Name and Address of Reporting Person *
Slichenmyer William

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

AVEO PHARMACEUTICALS INC
[AVEO]

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)

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

____ Director ____ 10% Owner
__X__ Officer (give title ____ Other (specify
below) below)

C/O AVEO PHARMACEUTICALS,
INC., 75 SIDNEY STREET

11/16/2010

Chief Medical Officer

(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

CAMBRIDGE, MA 02139

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	11/16/2010		M	V Amount (A) or (D) Price 3,000 A \$ 9.64	3,000	D	
Common Stock	11/16/2010		S ⁽¹⁾	3,000 D \$ 16.0752 ⁽²⁾	0	D	

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

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(9-02)

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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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Title and Amount of Underlying Securities (Instr. 3 and 4)
Stock Option (right to buy)	\$ 9.64	11/16/2010		M	3,000	(3) 10/08/2019	Common Stock	3,000

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

Signatures

/s/ William
Slichenmyer, MD 11/18/2010

**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 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 price reported in this Column 4 is a weighted average price. The shares were sold in multiple transactions at prices ranging from \$15.73 to \$16.65, inclusive. The reporting person undertakes to provide AVEO Pharmaceuticals, Inc., any security holder of AVEO Pharmaceuticals, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each price within the ranges set forth in this footnote.

(3) The option will vest as to 25% of the shares on September 14, 2010 and on equal monthly installments thereafter 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.

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