

Cole Douglas G.  
Form 4  
March 18, 2010

**FORM 4**

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Cole Douglas G.

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)  
03/17/2010

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

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

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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	03/17/2010		C	43,846 A <u>(1)</u>	43,846	I	By AGTC Advisors Fund, L.P. <sup>(3)</sup>
Common Stock	03/17/2010		C	5,713 A <u>(2)</u>	49,559	I	By AGTC Advisors Fund, L.P. <sup>(3)</sup>
Common Stock	03/17/2010		C	725,384 A <u>(1)</u>	774,943	I	By Applied Genomic Technology Capital Fund, L.P. <sup>(4)</sup>

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Common Stock	03/17/2010		C	94,531	A	<u>(2)</u>	869,474	I	By Applied Genomic Technology Capital Fund, L.P. <u>(4)</u>
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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 required to respond unless the form displays a currently valid OMB control number.**

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(9-02)

**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)	
					V	(A) (D)		Title	Amount Number Shares
Series B Convertible Preferred Stock	<u>(1)</u>	03/17/2010		C		175,385	<u>(1)</u>	<u>(1)</u>	Common Stock 43,84
Series D Convertible Preferred Stock	<u>(2)</u>	03/17/2010		C		22,855	<u>(2)</u>	<u>(2)</u>	Common Stock 5,713
Series B Convertible Preferred Stock	<u>(1)</u>	03/17/2010		C		2,901,538	<u>(1)</u>	<u>(1)</u>	Common Stock 725,38
Series D Convertible Preferred Stock	<u>(2)</u>	03/17/2010		C		378,126	<u>(2)</u>	<u>(2)</u>	Common Stock 94,53

## Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners

