

AVEO PHARMACEUTICALS INC  
 Form 3  
 March 11, 2010

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

OMB APPROVAL

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**INITIAL STATEMENT OF 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 \*  
 KUCHERLAPATI RAJU S  
 (Last) (First) (Middle)

2. Date of Event Requiring Statement  
 (Month/Day/Year)  
 03/11/2010

3. Issuer Name and Ticker or Trading Symbol  
 AVEO PHARMACEUTICALS INC [AVEO]

4. Relationship of Reporting Person(s) to Issuer

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

(Check all applicable)

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

C/O AVEO  
 PHARMACEUTICALS,  
 INC., 75 SIDNEY STREET  
 (Street)

CAMBRIDGE, MA 02139  
 (City) (State) (Zip)

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 Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	45,511	D	
Common Stock	19,053	I	Held as custodian <sup>(1)</sup>
Common Stock	42,078	I	Held c/f David Kucherlapati. <sup>(2)</sup>
Common Stock	3,773	I	Held as Custodian FBO David Kucherlapati UTMA MA until age 21 <sup>(3)</sup>
Common Stock	50,000	I	Held by Raju Kucherlapati Grantor Retained Annuity Trust No. 1 <sup>(4)</sup>

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

SEC 1473 (7-02)

**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.**

**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 Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Stock Option (right to buy)	Â (5)	09/26/2018	Common Stock	1,251	\$ 6.88	D	Â
Stock Option (right to buy)	Â (6)	06/17/2019	Common Stock	3,334	\$ 8.72	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KUCHERLAPATI RAJU S C/O AVEO PHARMACEUTICALS, INC. 75 SIDNEY STREET CAMBRIDGE, MA 02139	Â X	Â	Â	Â

## Signatures

/s/ Raju Kucherlapati  
Date: 03/11/2010

\_\_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).
- (1) Held as custodian for David Kucherlapati under the Massachusetts Uniform Transfers to Minors Act. Dr. Kucherlapati disclaims beneficial ownership over all such shares, except to the extent of his pecuniary interest therein.
- (2) Dr. Kucherlapati disclaims beneficial ownership over all shares held c/f David Kucherlapati, except to the extent of his pecuniary interest therein.
- (3) Held as Custodian FBO David Kucherlapati UTMA MA until age 21. Dr. Kucherlapati disclaims beneficial ownership over all such shares, except to the extent of his pecuniary interest therein.
- (4) Held by Raju Kucherlapati Grantor Retained Annuity Trust No. 1, over which Dr. Kucherlapati is the trustee and exercises sole voting and investment power over the shares of record. Dr. Kucherlapati disclaims beneficial ownership over all such shares, except to the extent of his pecuniary interest therein.
- (5) This option first became exercisable on September 1, 2008 and vests over a two-year period in equal monthly installments.

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(6) This option first became exercisable on July 31, 2009 and vests over a one-year period in equal monthly installments.

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.