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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> HA NGOC TUAN		Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol AVEO PHARMACEUTICALS INC [AVEO]				
(Last)	(First)	(Middle)	03/11/2010	4. Relation Person(s)	nship of Reporting to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)	
C/O AVEO PHARMACH INC., 75 SI CAMBRIDG	(Street)	REET		X Dire X Offi (give title b		Owner 6. Individual or Joint/Group ^{DW)} Filing(Check Applicable Line)	
(City)	(State)	(Zip)	Table I -	Non-Deriv	vative Securiti	es Beneficially Owned	
1.Title of Securi (Instr. 4)	ty		2. Amount Beneficiall (Instr. 4)	of Securities y Owned	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)	
Common Sto	ck		199,999		Ι	Held by GRAT (8)	
Reminder: Repo owned directly c	or indirectly. Persor inform require	ns who resp ation conta ed to respo	ch class of securities benefic bond to the collection of hined in this form are no nd unless the form dis MB control number.	f	SEC 1473 (7-02)	
	Curren	try valid Of					

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)
		(Instr. 4)	Price of	Derivative	
			Derivative	Security:	

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	(1)	04/01/2019	Common Stock	57,499	\$ 8.48	D	Â
Stock Option (right to buy)	(2)	01/31/2018	Common Stock	62,499	\$ 6.44	D	Â
Stock Option (right to buy)	(<u>3)</u>	05/09/2017	Common Stock	238,749	\$ 5.2	D	Â
Stock Option (right to buy)	(4)	02/09/2016	Common Stock	87,500	\$ 2	D	Â
Stock Option (right to buy)	(5)	02/01/2015	Common Stock	250,000	\$ 1.32	D	Â
Stock Option (right to buy)	(6)	06/17/2012	Common Stock	50,000	\$ 0.48	D	Â
Stock Option (right to buy)	(7)	02/02/2020	Common Stock	39,999	\$ 12.24	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
HA NGOC TUAN C/O AVEO PHARMACEUTICALS, INC. 75 SIDNEY STREET CAMBRIDGE, MA 02139	ÂX	Â	Chief Executive Officer	Â		
Signatures						
/s/ Joseph D. Vittiglio						

/s/ Joseph D. Vittiglio,	03/11/2010
attorney-in-fact	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) The option vests in equal monthly installments from January 1, 2009 through January 1, 2013.
- (2) This option vests in equal monthly installments from January 1, 2008 through January 1, 2012.
- (3) This option vests in equal monthly installments from January 1, 2007 through January 1, 2011.
- (4) This option is fully vested as of January 1, 2010.
- (5) This option is fully vested as of January 1, 2009.
- (6) This option is fully vested as of June 17, 2009.
- (7) This option vests in equal monthly installments from January 1, 2010 through January 1, 2014.

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Shares are held by Gabriel Schmergel, Trustee, or his successors in trust, of the Tuan Ha-Ngoc 2009 GRAT. Mr. Schmergel is the trustee (8) of the Tuan Ha-Ngoc 2009 GRAT and he exercises sole voting and investment power over the shares held of record by such trust. Mr.

Ha-Ngoc disclaims beneficial ownership over all such shares, except to the extent of his pecuniary interest therein.

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.