AVEO PHARMACEUTICALS INC Form SC 13G/A February 07, 2013

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1)*

AVEO PHARMACEUTICALS, INC.

(Name of Issuer)

Common Stock (Title of Class of Securities)

53588109 (CUSIP Number)

December 31, 2012 (Date of Event Which Requires Filing of This Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed
"Rule 13d-1(b)

"Rule 13d-1(c)

x Rule 13d-1(d)

^{*} The remainder of this cover page shall be filled out for a reporting person s initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page. The information required in the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUS	CUSIP No. 53588109	
1.	Name of Reporting Persons	
2.	MPM BioVentures II, L.P. Check the Appropriate Box if a Member of a Group (See Instructions)	
	(a) ··	
3.	(b) x SEC USE ONLY	
4.	Citizenship or Place of Organization	
	Delaware 5. Sole Voting Power	
Nur	ber of	
S	ares 6. Shared Voting Power	
Bene	ficially	
	ned by 0 7. Sole Dispositive Power	
Rej	orting	
P	rson 164,567 8. Shared Dispositive Power	
V	Tith:	
9.	0 Aggregate Amount Beneficially Owned by Each Reporting Person	
10.	164,567 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	

11. Percent of Class Represented by Amount in Row (9)

0.4%

12. Type of Reporting Person (See Instructions)

PN

CUSIP No. 53588109	
1. Name of Reporting Persons	
MPM BioVentures II-QP, L.P. 2. Check the Appropriate Box if a Member of a Group (See Instructions)	
(a) "	
(b) x 3. SEC USE ONLY	
4. Citizenship or Place of Organization	
Delaware 5. Sole Voting Power	
Number of	
Shares 1,493,260 6. Shared Voting Power	
Beneficially	
Owned by 0 7. Sole Dispositive Power	
Reporting	
Person 1,493,260 8. Shared Dispositive Power	
With:	
9. Aggregate Amount Beneficially Owned by Each Reporting Person	
1,493,26010. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	

11. Percent of Class Represented by Amount in Row (9)

3.4%

12. Type of Reporting Person (See Instructions)

PN

CUSIP No. 53588109

1.	Name of Reporting Persons
2.	MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG Check the Appropriate Box if a Member of a Group (See Instructions)
	(a) "
3.	(b) x SEC USE ONLY
4.	Citizenship or Place of Organization
	Germany 5. Sole Voting Power
Nuı	mber of
	Shares 525,732 6. Shared Voting Power
	neficially
	vned by 0 7. Sole Dispositive Power Each
Rej	porting
	Person 525,732 8. Shared Dispositive Power
١	With:
9.	0 Aggregate Amount Beneficially Owned by Each Reporting Person
10.	525,732 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)

1.2%

12. Type of Reporting Person (See Instructions)

PN

CUSIP	CUSIP No. 53588109	
1. N	Name of Reporting Persons	
2. CI	MPM Asset Management Investors 2002 LLC Check the Appropriate Box if a Member of a Group (See Instructions)	
(a	a) "	
	b) x SEC USE ONLY	
4. Ci	Citizenship or Place of Organization	
De	Delaware 5. Sole Voting Power	
Numbe	per of	
Shar	res 25,402 6. Shared Voting Power	
Benefic	cially	
Owned	7. Sole Dispositive Power	
Repor	rting	
Perso	son 25,402 8. Shared Dispositive Power	
Witl	th:	
9. A	0 Aggregate Amount Beneficially Owned by Each Reporting Person	
	5,402 Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	

11. Percent of Class Represented by Amount in Row (9)

0.1%

12. Type of Reporting Person (See Instructions)

OO

CUSIP No. 53588109	
1. Name of Reporting Persons	
MPM Asset Management II, L.P. 2. Check the Appropriate Box if a Member of a Group (See Instructions)	
(a) "	
(b) x 3. SEC USE ONLY	
4. Citizenship or Place of Organization	
Delaware 5. Sole Voting Power	
Number of	
Shares 0 6. Shared Voting Power	
Beneficially	
Owned by 2,183,559* Each 7. Sole Dispositive Power	
Reporting	
Person 0 8. Shared Dispositive Power	
With:	
2,183,559* 9. Aggregate Amount Beneficially Owned by Each Reporting Person	
2,183,559* 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	

11.	Percent of Class Represented by Amount in Row (9)
12.	5.0% Type of Reporting Person (See Instructions)
	PN

^{*} The shares are held as follows: 1,493,260 by MPM BioVentures II-QP, L.P. (BV II QP); 164,567 by MPM BioVentures II, L.P. (BV II); and 525,732 by MPM BioVentures GmbH & Co. Parallel-Beteiligungs KG (BV KG). The Reporting Person is the direct general partner of BV II QP, BV II and BV KG.

CUSIP No. 53588109	
1. Name of Reporting Persons	
MPM Asset Management II LLC 2. Check the Appropriate Box if a Member of a Group (See Instructions)	
(a) "	
(b) x 3. SEC USE ONLY	
4. Citizenship or Place of Organization	
Delaware 5. Sole Voting Power	
Number of	
Shares 0 6. Shared Voting Power Beneficially	
Owned by 2,183,559* Each 7. Sole Dispositive Power	
Reporting	
Person 0 8. Shared Dispositive Power	
With:	
2,183,559* 9. Aggregate Amount Beneficially Owned by Each Reporting Person	
2,183,559* 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	

11.	Percent of Class Represented by Amount in Row (9)
	5.0%
12.	Type of Reporting Person (See Instructions)
	00
*	The shares are held as follows: 1,493,260 by BV II QP; 164,567 by BV II; and 525,732 by BV KG. The Reporting Person is the
	indirect general partner of BV II QP, BV II and BV KG.

CUSIP	CUSIP No. 53588109	
1. N	Name of Reporting Persons	
	Ansbert Gadicke Check the Appropriate Box if a Member of a Group (See Instructions)	
((a) "	
	(b) x SEC USE ONLY	
4. (Citizenship or Place of Organization	
Ţ	United States 5. Sole Voting Power	
Numb	mber of	
Sha	hares 0 6. Shared Voting Power	
Benefi	eficially	
	zoned by 2,208,961* 7. Sole Dispositive Power	
Repo	porting	
Pers	Person 0 8. Shared Dispositive Power	
Wi	With:	
9. A	2,208,961* Aggregate Amount Beneficially Owned by Each Reporting Person	
	2,208,961* Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11.	Percent of Class Represented by Amount in Row (9)
12.	5.1% Type of Reporting Person (See Instructions)
	IN

* The shares are held as follows: 1,493,260 by BV II QP; 164,567 by BV II; 25,402 by MPM Asset Management Investors 2002 BVII LLC (AM 2002); and 525,732 by BV KG. MPM Asset Management II, L.P. (AM LP) and MPM Asset Management II LLC (AM II LLC) are the direct and indirect general partners of BV II QP, BV II and BV KG. The Reporting Person is an investment manager of AM II LLC and AM 2002.

CUSI	CUSIP No. 53588109	
1.	Name of Reporting Persons	
	Luke Evnin Check the Appropriate Box if a Member of a Group (See Instructions)	
	(a) "	
	(b) x SEC USE ONLY	
4.	Citizenship or Place of Organization	
	United States 5. Sole Voting Power	
Nun	nber of	
	nares 0 6. Shared Voting Power	
Owr	ned by 2,208,961* 7. Sole Dispositive Power	
Pe	orting erson 0 8. Shared Dispositive Power 7ith:	
9.	2,208,961* Aggregate Amount Beneficially Owned by Each Reporting Person	
	2,208,961* Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	

11.	Percent of Class Represented by Amount in Row (9)
12.	5.1% Type of Reporting Person (See Instructions)
	IN
*	The charge are held as follows: 1.403.260 by RV II OP: 164.567 by RV II: 25.402 by AM 2002: and 525.732 by RV KG. AM I P and A

* The shares are held as follows: 1,493,260 by BV II QP; 164,567 by BV II; 25,402 by AM 2002; and 525,732 by BV KG. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II and BV KG. The Reporting Person is an investment manager of AM II LLC and AM 2002.

CUSIP No. 53588109		Page 10 of 20
1.	Name of Reporting Persons	
2.	Nicholas Galakatos Check the Appropriate Box if a Member of a Group (See Instructions)	
	(a) "	
3.	(b) x SEC USE ONLY	
4.	Citizenship or Place of Organization	
	United States 5. Sole Voting Power	
Nu	mber of	
	Shares 0 6. Shared Voting Power	
Ben	neficially	
	vned by 2,208,961* 7. Sole Dispositive Power Each	
Re	porting	
P	Person 0 8. Shared Dispositive Power	
1	With:	
9.	2,208,961* Aggregate Amount Beneficially Owned by Each Reporting Person	
10.	2,208,961* Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	

11.	Percent of Class Represented by Amount in Row (9)
12.	5.1% Type of Reporting Person (See Instructions)
	IN
*	The charge are hald as follows: 1.403.260 by RV II OD: 164.567 by RV II: 525.722 by RV V.G. and 25.402 by AM 2002. AM I P and A

* The shares are held as follows: 1,493,260 by BV II QP; 164,567 by BV II; 525,732 by BV KG; and 25,402 by AM 2002. AM LP and AM II LLC are the direct and indirect general partners of BV II QP, BV II and BV KG. The Reporting Person is an investment manager of AM II LLC and AM 2002.

CUSIP No. 53588109	
1. Name of Reporting Persons	
Michael Steinmetz 2. Check the Appropriate Box if a Member of a Group (See Instructions)	
(a) "	
(b) x 3. SEC USE ONLY	
4. Citizenship or Place of Organization	
United States 5. Sole Voting Power	
Number of	
Shares 0 6. Shared Voting Power Beneficially	
Owned by 2,208,961* 7. Sole Dispositive Power	
Reporting	
Person 0 8. Shared Dispositive Power	
With:	
2,208,961* 9. Aggregate Amount Beneficially Owned by Each Reporting Person	
2,208,961* 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	