(Last)

(Street) BOSTON (First)

MA

C/O MPM ASSET MANAGEMENT 200 CLARENDON ST., 54TH FLOOR (Middle)

02116

## FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPRO	/AL
OMB Number:	3235-0287
Estimated average burden	
hours per response:	0.5

7. Nature of Indirect Beneficial Ownership (Instr. 4)

11. Nature of Indirect Beneficial Ownership (Instr. 4)

See Footnote<sup>(2)</sup>

Footnote<sup>(5)</sup>

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Section		nger subject to Form 5 obligations struction 1(b).	S	TATI								CIAL O		RSHI	Р		I	umber: ed average er respons		3235-
												Act of 1940								
1. Name an	nd Address of	Reporting Person*					lame <b>and</b>				ol					onship of Repo II applicable)	orting Pe	erson(s) to	) Issuer	
MPM E	BIOVENT	<u> TURES III LI</u>	<u>LC</u>		-	РПАКІ	MATHE	<u> </u>	INC	[ PIP ]				(		Director		X	10% Owr	ner
(Leat)		(Firet)	(Middle)		_									_		Officer (give below)	title		Other (sp below)	ecify
(Last)		(First) //ANAGEMEN	(Middle)			<ol> <li>Date of 07/28/20</li> </ol>	Earliest Tra	ansaction	n (Mon	th/Day/Y	ear)					belowy			belowy	
		ST., 54TH FLO																		
,					ŀ	4 If Amon	dment, Dat	te of Orio	ninal Eil	led (Mon	th/Day	v/Voar)		6.1	ndivid	ual or Joint/G	roun Eili	na (Checl	ν Δηηlicahl	o Lino)
(Street) BOSTON	V	MA	02116			4. II 7 III CII	ament, Da	ac or ong	giricai i ii	ica (iviori	u v Da	y, reary			X	Form filed b	y One R	eporting F	Person	
(City)		(State)	(Zip)		-												•		, ,	
			Table I -	Non-	Deri	vative S	Securitie	es Aca	uired	Disn	nser	d of or F	Renefic	ially O	)wne	·d				
1 Title of 9	Security (Inst	r 3)	Table 1	_		saction	2A. Deem		3.	i, Disp		curities Ac			_	5. Amount of		6. Owner	shin	7. Natu
1. Title of C	becurity (mist	3)		[	Date	Day/Year)	Execution if any		Trans	action (Instr.		osed Of (D)			9	Securities Seneficially O	wned	Form: Di	rect (D)	ndirec Benefic
							(Month/Da	ay/Year)	8)						f	Following Rep Fransaction(s)	orted	(Instr. 4)		Owners (Instr. 4
									Code	v	Amo	unt	(A) or (D)	Price	3	3 and 4)				
			Table									of, or Be			vned					
1. Title of	2.	3. Transaction	3A. Deemed	4.	··9·, I	_	er of Deriv		Орис	_		isable and	_	and Amo	ount of	f 8. Price of	f 9. Nui	nber of	10.	11.
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative	Date (Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Trans	action (Instr.	Securitie	es Acquired ed of (D) (Ins	d (A) or	ınd 5)	Expirat (Month	ion Da	ate	Securit	ies Unde	erlying		Secui	ities icially	Ownership Form: Direct (D) or Indirect	p of I Bei Ow
	Security			0-4-	<u></u>	<u></u>		(D)		Date	-1-1-	Expiration		Num	ount or		Follow Report Trans	ving rted action(s)	(I) (Instr. 4	
8%				Code	V	(A)	- 1	(D)		Exercis	sable	Date	Title	Shai	ies		(Instr.	4)		+
Convertible Note	\$10	07/28/2009		J <sup>(1)</sup>			\$	\$4,709,55	3.61 <sup>(2)</sup>	(3)		08/03/2009	Stock		0,953	3 (4)	$oxed{oxed}$	\$0	I	See Foo
10% Convertible Note	\$2.5417	07/28/2009		A		\$5,468,3	315.02 <sup>(5)</sup>			(6)		07/28/2011	1 Commo Stock		51,46	(5)	\$5,46	8,315.02	I	See Foo
Warrants to Purchase Common Stock	\$2.5	07/28/2009		A		729,1	.08 <sup>(5)</sup>			01/28/2	2010	01/28/2019	Commo Stock		9,108	\$0	72	9,108	I	See
(Right to Buy)																				
		Reporting Person*	L <u>C</u>																	
(Last)		(First)	(Middl	۵۱																
1 ` ′	M ASSET N	MANAGEMEN'		<b>C</b> )																
200 CLA	RENDON	ST., 54TH FLO	OR																	
(Street) BOSTON	N	MA	02116	6																
(City)		(State)	(Zip)																	
1		Reporting Person*	ARALLEL FU	J <u>ND</u> ,	<u>LP</u>															
		(F: 0)	0.5.1.11																	
1		(First) MANAGEMEN ST., 54TH FLO		e)																
(Street)	J	MA	02116	<u> </u>																
	•																			
(City)		(State)	(Zip)																	
MPM E		Reporting Person* FURES III G	MBH & CO.	Betei	iligu	ngs														
<u>KG</u>						- 1														

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	ss of Reporting Person* ENTURES III LP		
(Last)	(First)	(Middle)	
C/O MPM ASSI	ET MANAGEMENT	, ,	
200 CLARENDO	ON ST., 54TH FLOOR		
(Street)		00416	
BOSTON	MA	02116	
(City)	(State)	(Zip)	
	ss of Reporting Person* ENTURES III GP LP		
(Last)	(First)	(Middle)	
C/O MPM ASSI	ET MANAGEMENT		
200 CLARENDO	ON ST., 54TH FLOOR		
(Street)			
BOSTON	MA	02116	
,	()	(7tm)	
(City)	(State)	(Zip)	
1. Name and Addres	(State) ss of Reporting Person* ENTURES III QP LP	(ZIP)	
1. Name and Addres	ss of Reporting Person*	(ZIÞ)	
1. Name and Address MPM BIOVE (Last)	ss of Reporting Person* ENTURES III QP LP		
1. Name and Address MPM BIOVE  (Last) C/O MPM ASSE	ss of Reporting Person*  ENTURES III QP LP  (First)		
1. Name and Address MPM BIOVE  (Last) C/O MPM ASSE	ss of Reporting Person*  ENTURES III QP LP  (First)  ET MANAGEMENT		
1. Name and Address MPM BIOVE  (Last) C/O MPM ASSE 200 CLARENDO  (Street)	SS of Reporting Person* ENTURES III QP LP  (First) ET MANAGEMENT ON ST., 54TH FLOOR	(Middle)	_
1. Name and Address MPM BIOVE  (Last) C/O MPM ASSI 200 CLARENDO  (Street) BOSTON  (City) 1. Name and Address	ss of Reporting Person* ENTURES III QP LP  (First) ET MANAGEMENT ON ST., 54TH FLOOR  MA	(Middle)  02116  (Zip)	
1. Name and Address MPM BIOVE  (Last) C/O MPM ASSI 200 CLARENDO  (Street) BOSTON  (City) 1. Name and Address	(First) ET MANAGEMENT ON ST., 54TH FLOOR  MA  (State) ss of Reporting Person*	(Middle)  02116  (Zip)	
1. Name and Address MPM BIOVE  (Last) C/O MPM ASSE 200 CLARENDO  (Street) BOSTON  (City)  1. Name and Address MPM Asset N  (Last)	(First)  ET MANAGEMENT ON ST., 54TH FLOOR  MA  (State)  ss of Reporting Person*  Management Investor	(Middle)  02116  (Zip)  s 2004 BVIII LLC	
1. Name and Addres  MPM BIOVE  (Last)  C/O MPM ASSI  200 CLARENDO  (Street)  BOSTON  (City)  1. Name and Addres  MPM Asset M  (Last)  C/O MPM ASSI	(First)  See of Reporting Person*  ENTURES III QP LP  (First)  ET MANAGEMENT  ON ST., 54TH FLOOR  MA  (State)  See of Reporting Person*  Management Investor  (First)	(Middle)  02116  (Zip)  s 2004 BVIII LLC	
1. Name and Addres  MPM BIOVE  (Last)  C/O MPM ASSI  200 CLARENDO  (Street)  BOSTON  (City)  1. Name and Addres  MPM Asset M  (Last)  C/O MPM ASSI	(First)  ENTURES III QP LP  (First)  ET MANAGEMENT  ON ST., 54TH FLOOR  MA  (State)  ss of Reporting Person'  Management Investor  (First)  ET MANAGEMENT	(Middle)  02116  (Zip)  s 2004 BVIII LLC	
1. Name and Address MPM BIOVE  (Last) C/O MPM ASSI 200 CLARENDO  (Street) BOSTON  (City)  1. Name and Address MPM Asset M  (Last) C/O MPM ASSI 200 CLARENDO	(First)  ENTURES III QP LP  (First)  ET MANAGEMENT  ON ST., 54TH FLOOR  MA  (State)  ss of Reporting Person'  Management Investor  (First)  ET MANAGEMENT	(Middle)  02116  (Zip)  s 2004 BVIII LLC	

(State)

(Zip)

## Explanation of Responses:

(City)

- 1. The dispositions of these Notes to the Issuer were in connection with the acquisitions of the new Notes and Warrants described in Footnote 5 below.
- 2. These Notes were received in the Merger of PAI Acquisition Corp., a wholly-owned subsidiary of HealthCare Acquisition Corp., (now known as PharmAthene, Inc.) into PharmAthene, Inc. and were held as follows: \$3,905,976.55 by MPM BioVentures III-QP, L.P. ("BV III QP"), \$262,651.82 by MPM BioVentures III, L.P. ("BV III"), \$92,858.30 by MPM Asset Management Investors 2004 BVIII LLC ("AM 2004"), \$117,974.13 by MPM BioVentures III Parallel Fund, L.P. ("BV Farallel") and \$330,092.81 by MPM BioVentures III GP, L.P. ("BV Farallel") and \$330,092.81 by MPM BioVentures III CP, "BV III"), \$92,858.30 by MPM BioVentures III GP, L.P. ("MPM III LLC") are the direct and indirect general partners of BV III QP, BV III and BV Parallel and BV KG. Luke Evnin, Ansbert Galakatos, Dennis Henner, Nicholas Simon III, Michael Steinmetz and Kurt Wheeler are the members of MPM III LLC and AM 2004. Each member of the group disclaims beneficial ownership of the securities except to the extent of its pecuniary interest therein.
- 3. Immediately convertible into shares of Common Stock of the Issuer at the rate of \$10.00 per share.
- 4. These Notes were received in the Merger of PAI Acquisition Corp., a wholly-owned subsidiary of HealthCare Acquisition Corp. (now known as PharmAthene, Inc.) into PharmAthene, Inc.
- 5. These Notes and Warrants were received pursuant to a Note and Warrant Purchase Agreement dated as of July 24, 2009, as amended on July 26, 2009 and July 28, 2009, by and among the Issuer and certain noteholders, pursuant to which the 8% Senior Unsecured Convertible Notes (the "Original Notes") reported above were exchanged for new Notes in the principal amount as follows: \$4,535,272.77 by BV III QP, \$304,967.95 by BV III, \$107,818.80 by AM 2004, \$136,981.07 by BV Parallel and \$383,274.43 by BV KG, representing the principal amount of the Original Notes plus accrued interest (the "New Notes") and the Warrants reported herein. The terms of the New Notes include (i) an increase in the interest rate to 10% per annum; (ii) a reduction in the conversion price of the Original Notes from \$1.000 per share to \$2.541667 per share; and (iii) the issuance of Warrants to purchase shares of Common Stock of the Issuer at a purchase price of \$2.50 per share as follows: 604,703 shares by BV III QP, 40,662 shares by BV III, 14,376 shares by AM 2004, 18,264 shares by BV Parallel and 51,103 shares by BV KG.
- 6. Immediately convertible into shares of Common Stock of the Issuer at the rate of \$2.541667 per share.

## Remarks:

See Form 4 for Luke Evnin filed simultaneously herewith for additional members of this joint filing.

/s/ Luke Evnin, Series A Member of 07/30/2009 MPM BioVentures III LLC /s/ Luke Evnin, Series A Member of MPM BioVentures III LLC, the general partner of MPM BioVentures III GP, LP, the general partner of MPM BioVentures III Parallel Fund, LP /s/ Luke Evnin, Series A Member of MPM BioVentures III LLC, the general partner of MPM BioVentures III GP, LP, in its 07/30/2009 capacity as the Managing Limited Partner of MPM BioVentures III GmbH & Co. Beteiligungs KG /s/ Luke Evnin, Series A Member of 07/30/2009 MPM BioVentures III LLC, the general partner of MPM

BioVentures III GP, LP, the general partner of MPM BioVentures III, LP /s/ Luke Evnin, Series A Member of

MPM BioVentures III LLC, the general partner of MPM

07/30/2009

BioVentures III GP, LP

/s/ Luke Evnin, Series A Member of MPM BioVentures III LLC, the general partner of MPM

BioVentures III GP, LP, the general partner of MPM BioVentures III QP, LP

LP

\*\* Signature of Reporting Person

/s/ Luke Evnin, manager of MPM 07/30/2009 Asset Management Investors 2004

**BVIII LLC** 

Date

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

- \* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.