St Peter Steven Form 4 November 22, 2011

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MPM BioVentures IV QP LP

2. Issuer Name and Ticker or Trading Symbol

Pacira Pharmaceuticals, Inc. [PCRX]

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

below)

(First) (Last)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

11/21/2011

Director Officer (give title

X 10% Owner Other (specify

C/O MPM ASSET MANAGEMENT, 200 **CLARENDON STREET, 54TH FLOOR**

> (Street) 4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person

BOSTON, MA 02116

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of 6. Ownership 7. Nature of Form: Direct Indirect Securities Beneficially (D) or Beneficial Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported

(A) Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

Common 11/21/2011 P Stock

461,538 3,290,479

See I footnote (2)

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

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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 | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. ofNumber of Derivative Securities | | ate | 7. Titl Amou Under Secur (Instr. | int of rlying | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Owne |
|---|---|---|---|---|--------------------------------------|---------------------|-----------------|--|--------------------|---|---|
| | Security | | | | Acquired (A) or | | | | | | Follo Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date Exercisable | Expiration Date | Title | or Number of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|---|---------------|-----------|---------|-------|--|--|
| topotong o mor runto, manteus | Director | 10% Owner | Officer | Other | | |
| MPM BioVentures IV QP LP C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | | X | | | | |
| MPM BioVentures IV GP LLC C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | | X | | | | |
| MPM BioVentures IV LLC C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | | X | | | | |
| MPM Asset Management Investors BV4 LLC C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | | X | | | | |
| MPM BioVentures IV GmbH & Co. Beteiligungs KG C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | | X | | | | |
| Foley Todd C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | | X | | | | |

Reporting Owners 2

| Vander Vort John C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | X |
|---|---|
| Scopa James Paul C/O MPM ASSET MANAGEMENT 601 GATEWAY BLVD., SUITE 350 SOUTH SAN FRANCISCO, CA 94080 | X |
| St Peter Steven C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR BOSTON, MA 02116 | X |

Signatures

| • | M BioVentures IV LLC, the managing member of MPM all partner of MPM BioVentures IV-QP, L.P. /s/ Vaughn | 11/22/2011 | |
|--|--|------------|--|
| * | *Signature of Reporting Person | Date | |
| By Vaughn Kailian, member of MPM BioVentures IV LLC, the managing member of MPM BioVentures IV GP LLC /s/ Vaughn Kailian | | | |
| * | *Signature of Reporting Person | Date | |
| By Vaughn Kailian, member of MP | M BioVentures IV LLC /s/ Vaughn Kailian | 11/22/2011 | |
| * - | *Signature of Reporting Person | Date | |
| By Vaughn Kailian, member of MP Management Investors BV4 LLC /s/ | M BioVentures IV LLC, the manager of MPM Asset Vaughn Kailian | 11/22/2011 | |
| * - | *Signature of Reporting Person | Date | |
| • | MPM BioVentures IV LLC, the managing member of managing limited partner of MPM BioVentures IV aughn M. Kailian | 11/22/2011 | |
| * - | *Signature of Reporting Person | Date | |
| /s/ Todd Foley | | 11/22/2011 | |
| * - | *Signature of Reporting Person | Date | |
| /s/ John Vander Vort | | 11/22/2011 | |
| * - | *Signature of Reporting Person | Date | |
| /s/ James Paul Scopa | | 11/22/2011 | |
| * | *Signature of Reporting Person | Date | |
| /s/ Steven St. Peter | | 11/22/2011 | |
| * | *Signature of Reporting Person | Date | |

Signatures 3

Explanation of Responses:

- * 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).
 - The shares were purchased as follows: 432,573 by MPM BioVentures IV-QP, L.P. ("BV IV QP"), 16,665 by MPM BioVentures IV GmbH & Co. Beteiligungs KG ("BV IV KG") and 12,300 by MPM Asset Management Investors BV4 LLC ("AM BV4"). MPM
- (1) BioVentures IV GP LLC and MPM BioVentures IV LLC ("BV LLC") are the direct and indirect general partners of BV IV QP and BV IV KG and BV LLC is the manager of AM BV4. Vaughn M. Kailian, Ansbert Gadicke, Luke Evnin, Steven St. Peter, James Paul Scopa, Todd Foley and John Vander Vort are the members of BV LLC.
- (2) The shares are held as follows: 3,083,973 by BV IV QP, 118,812 by BV IV KG and 87,694 by AM BV4. Each Reporting Person disclaims beneficial ownership of the securities except to the extent of his, her or its respective pecuniary interest therein.

Remarks:

See Form 4 for Vaughan Kailian for additional members of this joint filing.

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.