Olek Elizabeth A Form 4 January 11, 2012

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Expires: January 31, 2005

SECURITIES

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *
2. Issuer Name and Ticker or Trading
Symbol
Symbol
ACHILLION
5. Relationship of Reporting Person(s) to Issuer

PHARMACEUTICALS INC

[ACHN]

Director 10% (Check all applicable)

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) SVP and CMO

C/O ACHILLION 10% Owner — 10% Owner — X_ Officer (give title — Other (specify below) — SVP and CMO

PHARMACEUTICALS, 300 GEORGE STREET

(Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year) Applicable Line)

NEW HAVEN, CT 06511

Z_ Form filed by One Reporting Person

— Form filed by More than One Reporting Person

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Transaction(A) or Disposed of (D) Indirect Security (Month/Day/Year) Execution Date, if Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) or (Instr. 3 and 4) Code Amount (D) Price Common 01/10/2012 \$ 3.28 14,468 D M 12,468 Α Stock Common S 01/10/2012 12.468 D 2,000 D Stock

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

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number.

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 Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 3.28	01/10/2012		M	12,468	3 (1)	12/18/2019	Common Stock	12,468

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Elizabeth A							

Olek Elizabeth A C/O ACHILLION PHARMACEUTICALS 300 GEORGE STREET NEW HAVEN, CT 06511

SVP and CMO

Signatures

Reporting Person

/s/ Elizabeth A.
Olek

**Signature of Date

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).
- (1) This option was granted on December 18, 2009 and vests over a four year period with 25% of the shares vesting on the first anniversary of the date of grant and an additional 6.25% vesting at the end of each three-month period thereafter.

Remarks:

The transactions reported on this Form 4 were executed pursuant to a Rule 10b5-1 trading plan adopted by Ms. Olek on June 7 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.

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