

Halak Brian K  
Form 3  
August 23, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**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

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Halak Brian K		(Month/Day/Year)	ACHILLION PHARMACEUTICALS INC [ACHN]	
(Last)	(First)	(Middle)	08/20/2010	
C/O DOMAIN ASSOCIATES, LLC, Â ONE PALMER SQUARE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)	(Check all applicable)			
	<input type="checkbox"/> Director	<input checked="" type="checkbox"/> 10% Owner		
	<input type="checkbox"/> Officer	<input type="checkbox"/> Other	6. Individual or Joint/Group Filing(Check Applicable Line)	
	(give title below)		(specify below)	
PRINCETON, Â NJ Â 08542				
(City)	(State)	(Zip)		

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	7,972,968	I	By Domain Partners VIII, L.P. <sup>(1)</sup>
Common Stock	59,161	I	By DP VIII Associates, L.P. <sup>(1)</sup>

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

SEC 1473 (7-02)

**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 control number.**

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	
Warrants to Purchase Common Stock	08/20/2010	08/20/2017	Common Stock	2,790,539	\$ 3.1125	I	By Domain Partners VIII, L.P. <u>(1)</u>
Warrants to Purchase Common Stock	08/20/2010	08/20/2017	Common Stock	20,706	\$ 3.1125	I	By DP VIII Associates, L.P. <u>(1)</u>

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Halak Brian K C/O DOMAIN ASSOCIATES, LLC ONE PALMER SQUARE PRINCETON, NJ 08542		X		

**Signatures**

/s/ Kathleen K. Schoemaker,  
Attorney-in-Fact  
\*\*Signature of Reporting Person

08/20/2010  
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).
- The Reporting Person is a Managing Member of One Palmer Square Associates VIII, LLC, which is the sole general partner of Domain Partners VIII, L.P. and DP VIII Associates, L.P. Pursuant to Instruction (5)(b)(iv) of Form 3, the Reporting Person has elected to report as (1) indirectly beneficially owned the entire number of securities beneficially owned by each such entity. The Reporting Person disclaims beneficial ownership of any securities, and any proceeds thereof, that exceed his or her pecuniary interest therein and/or that are not actually distributed to him or her.

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.