SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subj	ect to
	ectio
Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(b).	

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

OMB APPF	ROVAL								
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1. Title of Derivative 2. 3. Transaction 3A. Deemed Execution Date 4					4. Transacti Code (Ins	5. Number ion of	6. Date Exercisable and Expiration Date (Month/Day/Year) Underh				d Amount ties	8. Price of Derivative Security	9. Numbe derivative Securities	e Ownersh	ip of Indirect Beneficial		
			Table II			ecurities Acqualls warrants						Owned					
Common Stock 01/15/2							S		73,108	D	\$20.510	1	0	D			
Common Stock 01/15/20							М		19,926	Α	\$5.55	73	,108	D			
Common Stock 01/15/2					2010		М		15,975	Α	\$1.75	53	,182	D			
Common Stock 01/15				01/15/	2010		М		37,207	Α	\$5.1	37	,207	D			
							Code	v	Amount	(A) or (D)	Price	Transac (Instr. 3	tion(s)		(Instr. 4)		
Date				2. Transad Date (Month/Da		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securitie: Disposed O		5. Amou Securiti Benefici Owned I Reporte	es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
		Tat	ble I - No	on-Deriv	/ative	Securities Ac	quired	l, Di	sposed o	f, or Be	neficiall	y Owned					
(City)	(S	itate)	(Zip)														
SALEM	IN		27101									Form f Persor		e than One Rep	oorting		
(Street) WINSTON-NC 27101						4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person					
200 EAS	ST FIRST S	TREET, SUITE	300														
C/O TARGACEPT, INC.						3. Date of Earliest Transaction (Month/Day/Year) 01/15/2010							P, Preclin	ical Research			
(Last) (First) (Middle)						to of Forlight Trans	nation (Month			2	C Officer below)	(give title	Other below	(specify ')		
1. Name and Address of Reporting Person [*] Bencherif Merouane						2. Issuer Name and Ticker or Trading Symbol <u>TARGACEPT INC</u> [TRGT]							5. Relationship of Reporting Person(s) to Iss (Check all applicable) Director 10% Ov				
						ection 30(h) of the			1 2	51 1340							

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. Transa Code (8)		of Deri Seci Acq (A) o Disp of (E	umber vative urities uired or oosed o) (Instr. and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$5.1	01/15/2010		М			3,952	02/15/2002	02/14/2012	Common Stock	3,952	\$0	0	D	
Stock Option (Right to Buy)	\$5.1	01/15/2010		М			6,456	01/14/2003	01/13/2013	Common Stock	6,456	\$0	0	D	
Stock Option (Right to Buy)	\$5.1	01/15/2010		М			10,750	(1)	01/30/2013	Common Stock	10,750	\$0	0	D	
Stock Option (Right to Buy)	\$5.1	01/15/2010		М			16,049	(2)	10/30/2013	Common Stock	16,049	\$0	0 ⁽³⁾	D	
Stock Option (Right to Buy)	\$1.75	01/15/2010		М			15,975	(4)	03/28/2015	Common Stock	15,975	\$0	0	D	
Stock Option (Right to Buy)	\$5.55	01/15/2010		М			19,926	(5)	08/15/2016	Common Stock	19,926	\$0	37,945	D	

Explanation of Responses:

1. This option vested in installments and became vested in full upon completion of the issuer's initial public offering.

2. This option vested in installments and became vested in full on September 30, 2007.

3. Does not include 22,252 shares subject to the unexercised portion of this option for which the exercise price is \$1.75 per share.

4. This option vested in installments and became vested in full on December 31, 2008.

5. This option vests (vested) in equal installments on the last day of 16 consecutive calendar quarters beginning September 30, 2006.

Remarks:

The shares covered by this Form 4 have been sold pursuant to a Rule 10b5-1 Sales Plan dated March 14, 2008, which is intended to comply with Rule 10b5-1(c) promulgated under the Securities Exchange Act

/s/ Peter A. Zorn, Attorney-in-Fact for Merouane Bencherif

01/20/2010

** Signature of Reporting Person

Date

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

 \ast 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.