Instruction 1(b).

FORM 4

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

Washington, D.C. 20549

Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL	<b>OWNERSHIP</b>
Section 16. Form 4 or Form 5		
obligations may continue. See		

**OMB APPROVAL** OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  Bencherif Merouane					2. Issuer Name and Ticker or Trading Symbol TARGACEPT INC [ TRGT ]							(Ch	eck all applic	able)	Person(s) to Iss 10% Ov Other (s	vner
(Last)	(First) (Middle)				3. Date of Earliest Transaction (Month/Day/Year) 01/19/2010							below)		below)	poony	
200 EAST FIRST STREET, SUITE 300																
(Street) WINSTO	NSTON- NC 27101			4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						Line	Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person				
(City)	(S	tate)	(Zip)													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
1. Title of Security (Instr. 3)  2. Transa Date (Month/D				ear) l	2A. Deemo Execution f any Month/Da	Date	Code (I		Disposed	ties Acquire d Of (D) (Ins (A) or (D)	tr. 3, 4 and	5. Amour Securitie Beneficia Owned F Reported Transact (Instr. 3 a	s Fo ally (D ollowing (I) I ion(s)	orm: Direct ) or Indirect (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
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)	erivative Conversion Date Execution Date, ecurity or Exercise (Month/Day/Year) if any			ransaction of ode (Instr. Derivative		ve es ed ed nstr.	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)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable	le E	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$20.68	01/19/2010		A		40,000		(1)	0	01/18/2020	Common Stock	40,000	\$0	40,000	D	

## **Explanation of Responses:**

1. This option vests in equal installments on the last day of 16 consecutive calendar quarters beginning March 31, 2010.

## Remarks:

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

01/21/2010

\*\* Signature of Reporting Person

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.