FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-028								

Check this box if no longer subject to 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 or Section 30(h) of the Investment Company Act of 1940

37 Estimated average burden hours per response: 0.5

1. Name and Address of Reporting Person* <u>Dunbar Geoffrey C</u>						2. Issuer Name and Ticker or Trading Symbol TARGACEPT INC [ TRGT ]									eck all appli Directo	cable)	ng Pers	son(s) to Iss 10% O Other (s	wner
	RGACEPT,	INC.	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/13/2010									helow)	.0	below) Dev. & Reg. Affairs		
200 EAST FIRST STREET, SUITE 300  (Street)  WINSTON- SALEM  27101					4. 11	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(S:	•	(Zip)																
Table I - Non-Deriva  1. Title of Security (Instr. 3)  2. Transa Date (Month/D				action	ar) i	2A. Deemed Execution Date, if any (Month/Day/Year		3. Transaction Code (Instr		4. Securi	Securities Acquired (A isposed Of (D) (Instr. 3,			5. Amou Securitie Benefici	nt of es ally Following	Form (D) or	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) or (D)		Price	Transac (Instr. 3	tion(s)			
Common Stock 05/					3/2010			M		1,494	4	A	\$1.75	5 2,	2,647		D		
Common Stock			05/13	3/2010				S		1,494	4 D \$2		\$25	1,	153		D		
	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 Da if any (Month/Day/\)	ed Date,	ate, Transac		5. Number		6. Date Ex Expiration (Month/Da	ercisa Date	ible and	ole and 7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		curity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	Owners Form: Direct (I or Indire (I) (Instr	Ownership	Beneficial Ownership ct (Instr. 4)
					Code	v	(A)		Date Exercisab		xpiration ate	Title	or Nu of	umber					
Stock Option (Right to	\$1.75	05/13/2010			M			1,494	(1)	0	3/28/2015	Commo		,494	\$0	7,349	)	D	

## **Explanation of Responses:**

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

## Remarks:

Buy)

The shares covered by this Form 4 have been sold pursuant to a Rule 10b5-1 Sales Plan dated December 16, 2009, which is intended to comply with Rule 10b5-1(c) promulgated under the Securities Exchange Act of 1934, as amended.

> /s/ Peter A. Zorn, Attorney-in-Fact for Geoffrey C. Dunbar

05/17/2010

\*\* 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.