FORM 4

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

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APP	ROVAL
OMB Number:	3235-0287
Estimated average b	urden
hours per response:	0.5

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

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* <u>Brennan Jeffrey P</u>						2. Issuer Name and Ticker or Trading Symbol TARGACEPT INC [ TRGT ]									all applic Directo	able)	g Pers	son(s) to Iss 10% Ov Other (s	vner	
	RGACEPT,	INC.	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 08/08/2008								X	below)		Comm	below)			
(Street)	INSTON- NC 27101				4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)									5. 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)																	
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)		action	tion 2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)  4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 1)			ed (A) or	5. Amount of		nt of s ally following	Form: Di		7. Nature of Indirect Beneficial Ownership (Instr. 4)						
								v	Amount	(A) or (D)	Price	1	Transaction(s) Instr. 3 and 4)				(			
Common Stock		08/08	3/2008	/2008					10,000	10,000 A		75	10,000			D				
Common Stock 08/08		3/2008	2008			S		10,000 D \$		\$9.59	902	2 0			D					
		-	Table II -								osed of, converti			y Ow	ned					
Derivative Conversion Date Security or Exercise (Month/Day/Year)		3A. Deemond Execution if any (Month/Da	Date,	4. Transaction Code (Instr. 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		te	7. Title and Amo of Securities Underlying Derivative Secur (Instr. 3 and 4)		Derivative Security		9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	e S Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amoun or Numbe of Shares							
Stock Option (Right to Buy)	\$1.75	08/08/2008			M			10,000	(1)		03/28/2015	Common Stock	10,000	)	\$0	30,000	0	D		

## **Explanation of Responses:**

1. This option vested 20% on March 29, 2005 and then vested (vests) in equal installments at the end of 16 consecutive calendar quarters beginning March 31, 2005.

## Remarks:

/s/ Peter A. Zorn, Attorney-in-Fact for Jeffrey P. Brennan

08/11/2008

\*\* 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.