FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	S IN BENEFICIA	L OWNERSHIP

OMB APP	PROVAL
OMB Number:	3235-0287
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Caldwell William S				2. Issuer Name and Ticker or Trading Symbol TARGACEPT INC [TRGT]					(Ch	eck all applic	cable) or	Person(s) to Is 10% O Other (wner			
(Last) (First) (Middle) C/O TARGACEPT, INC. 200 EAST FIRST STREET, SUITE 300					3. Date of Earliest Transaction (Month/Day/Year) 03/29/2011						X Officer (give title Other (specibelow) SVP - Drug Discovery and Dev.					
(Street) WINSTO	N		27101 (Zip)	4.	If Ame	ndment, I	Date	of Original Fi	iled (N	Month/Da	uy/Year)	Line	e) <mark>X</mark> Form f	iled by One R	iling (Check Ap Reporting Perso than One Repo	on
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
Date			Transactior te onth/Day/Y	Execution Date,		Code (In 8)	str.	4. Securit Disposed 5)	urities Acquired (A) sed Of (D) (Instr. 3, 4		Securitie Beneficia Owned F Reported Transact	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 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)	Conversion Date Execution Date, or Exercise (Month/Day/Year) if any		Code	ransaction of ode (Instr. Derivative		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)	Ownershij Form: Direct (D) or Indirect (I) (Instr. 4	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
				Code	v	(A)	(D)	Date Exercisable		piration tte	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$26.05	03/29/2011		A		40,000		(1)	03/	/28/2021	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 with March 31, 2011.

Remarks:

The corporate action for this option was taken on March 8, 2011.

/s/ Peter A. Zorn, Attorney-in-03/31/2011 Fact for William S. Caldwell

** 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.