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 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

OMB APPROVAL								
OMB Number:	3235-0287							
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Î		

1. Name and Address of Reporting Person* Caldwell William S (Last) (First) (Middle) C/O TARGACEPT, INC. 200 EAST FIRST STREET, SUITE 300			2. Issuer Name and Ticker or Trading Symbol <u>TARGACEPT INC</u> [TRGT] 3. Date of Earliest Transaction (Month/Day/Year) 08/07/2009	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) below) VP - Drug Discovery and Dev.				
(Street) WINSTON- SALEM (City)	NC (State)	27101 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	ridual or Joint/Group Filing Form filed by One Repor Form filed by More than Person	ting Person		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Dis Code (Instr.		4. Securities Disposed Of			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	08/07/2009		М		771	A	\$1.75	8,506	D	
Common Stock	08/07/2009		S		371	D	\$12	8,135	D	
Common Stock	08/07/2009		S		200	D	\$12.0178	7,935	D	
Common Stock	08/07/2009		S		200	D	\$12.0366	7,735	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1	(e.g., puis, cans, 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 Date, if any (Month/Day/Year)	4. Transa Code (8)				Expiration Date (Month/Day/Year) d		e Amount of		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)	\$1.75	08/07/2009		М			771	(1)	01/30/2013	Common Stock	771	\$0	3,150 ⁽²⁾	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. Does not include 10,750 shares subject to the unexercised portion of this option for which the exercise price is \$5.10 per share.

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 of 1934, as amended.

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

08/11/2009

** 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.