FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

TATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

l	UMB APPRO	VAL
l	OMB Number:	3235-0287
l	Estimated average burde	en
l	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

Name and Address of Reporting Person*     Caldwell William S								e and T			ng Symbol GT]	(Che	eck all applic	onship of Reporting all applicable) Director Officer (give title		on(s) to Iss 10% Ov Other (s	vner		
	Last) (First) (Middle) C/O TARGACEPT, INC. 00 EAST FIRST STREET, SUITE 300						Earli	iest Tra	nsactio	on (Mor	nth/Day/Year)		below)			`			
(Street) WINSTON- SALEM  (City) (State) (Zip)				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								Line	) Form f	dual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person				
(9)	(-	•	,	Non Dori		- Coo		ioo A			Nionacad .	of or	Dan	oficially		<u> </u>			
1. Title of Security (Instr. 3)  2. Transacti Date (Month/Day)			on	2A. Deeme Execution		ate,	3. Transaction Code (Instr. 8)		Disposed of, or Benefi  4. Securities Acquired (A) or Di Of (D) (Instr. 3, 4 and 5)			d 5. Amor Securiti	unt of es ially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
									Code	v	Amount	(A) or (D)	Price	е	Transac (Instr. 3	ction(s)			(Instr. 4)
Common Stock 02/16/2013					)11	L			M	П	16,655	A		\$1.75	24	,390		D	
Common Stock 02/16			02/16/20	)11				S	П	16,655	D	\$26	5.5179 <sup>(1)</sup>	(2) 7,	7,735		D		
Common Stock								П					2,0	2,000(3)		I	By Wife		
		-	Table								sposed of				Owned				
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)			vative urities uired or oosed O) (Instr	(Moi	ate Exe iration I nth/Day		of Sed Under	7. Title and Amo of Securities Underlying Derivative Secu (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Owners Form: Direct ( or Indir (I) (Inst	Ownership	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exe	e rcisable	Expiration Date	Title		Amount or Number of Shares	1 1				
Stock Option (Right to Buy)	\$2.93	02/16/2011			M			16,655	5	(4)	01/08/2019	Comn		16,655	\$0	21,250	)	D	

- 1. The price reported is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$26.25 to \$26.81, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this
- 2. In addition to the sale price reported, the reporting person received an account credit in the amount of \$0.7276 per share due to the broker's failure to execute the sale on the date specified in the reporting person's 10b5-1 plan. The account credit represents the difference between the actual weighted average sales price for the shares sold and the first weighted average sales price for the same number of shares sold on the NASDAQ stock market on February 14, 2011 (the date on which the sale was to have been executed under the 10b5-1 plan).
- 3. These shares held by the reporting person's spouse. From April 2006 to July 2010, these shares were held by the reporting person's mother-in-law, who did not share his household, in a brokerage account maintained jointly with a right of survivorship with the reporting person's spouse. The reporting person became aware of the shares when his mother-in-law passed away.
- 4. This option vested (vests) in equal installments on the last day of 16 consecutive calendar quarters beginning with March 31, 2009.

The shares covered by this Form 4 have been sold pursuant to a Rule 10b5-1 Sales Plan dated December 16, 2010, 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-02/18/2011 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.