FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES II	N BENEFICIAL	OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287
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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*     Dunbar Geoffrey C					2. Issuer Name and Ticker or Trading Symbol TARGACEPT INC [ TRGT ]										(Ch	eck all applic Directo Y Officer	cable) or (give title	g Pers	Person(s) to Issuer  10% Owner Other (speci	
	RGACEPT,	,	(Middle)				of Earl 2010	iest Tran	sactio	on (Mon	nth/C	ay/Year)		below)	SVP, Clin. Dev. & R		below) Reg. Affairs			
(Street) WINSTO			27101		4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)									Line	e) <mark>X</mark> Form f Form f	ividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person			
(City)	(S	tate)	(Zip)																	
		Tak	ole I - Nor	1-Deriv	vativ	e Se	curit	ties Ac	quir	red, D	isp	osed o	f, oı	r Ben	eficiall	y Owned				
			Date	Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year		:,   T	Code (Instr.					Benefici	es ally Following	Form (D) o	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									G	Code	v	Amount		(A) or (D)	Price	Transact (Instr. 3	ion(s)			(111501.4)
Common	Stock			04/2	8/201	10				М		14,70	0	A	\$1.75	5 15	,853		D	
Common	Stock			04/2	8/201	10				S		14,70	0	D	\$24	1,	153 D			
		-	Table II -									sed of, onvertil				Owned				
Derivative Conversion Date Executity or Exercise (Month/Day/Year) if any			3A. Deemee Execution I if any (Month/Day	Date,		Transaction Code (Instr.		of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		s Security	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	e S Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exer	e rcisable		xpiration ate	Title		Amount or Number of Shares					
Stock Option (Right to Buy)	\$1.75	04/28/2010			M			14,700		(1)	0	3/28/2015		nmon ock	14,700	\$0	8,843	3	D	

## Explanation of Responses:

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

## Remarks:

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 04/30/2010

\*\* Signature of Reporting Person Date

 $Reminder: Report \ on \ a \ separate \ line \ for \ each \ class \ of \ securities \ beneficially \ owned \ directly.$ 

- $^{\star}$  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.