FORM 4

UNITED STATES SECURI

Washington, D.C. 20549

ITIES AND EXCHANGE (COMMISSIO
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l	OWR APPRO	VAL
	OMB Number:	3235-0287
l	Estimated average burden	
ı	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).

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

1. Name and Address of Reporting Person* DESOUZA ERROL B					2. Issuer Name and Ticker or Trading Symbol TARGACEPT INC [TRGT]									k all applica		Persor	n(s) to Issue	
(Last) (First) (Middle) C/O TARGACEPT, INC. 100 NORTH MAIN STREET, SUITE 1510					3. Date of Earliest Transaction (Month/Day/Year) 06/12/2014								_	Officer (below)	give title		Other (s below)	specify
(Street) WINSTON- SALEM	. NC	2	27101		4. If Amendment, Date of Original Filed (Month/Day/Year)							Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(Stat	re) (Zip)															
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
Date				2. Transa Date (Month/D		2A. Deemed Execution Date, if any (Month/Day/Year		Transaction Disp			urities Acquired (A) o sed Of (D) (Instr. 3, 4 a				s Formula (D) (I) (I) (I) (I) (I) (I) (I)		: Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
							Code	v	Amount	t (A) or (D)		rice	(Instr. 3 and 4)				(111341. 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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/Y	Cod	saction e (Instr.	Derivati Securiti Acquire or Dispo	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable at Expiration Date (Month/Day/Year)			7. Title and Amor Securities Under Derivative Securi (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Cod	e V	(A)	(D)	Date Exercisabl		xpiration ate	Title	or Nu	nount mber Shares		(Instr. 4)		<u></u>	
Stock Option (Right to Buy)	\$4.29	06/12/2014		A		12,500		(1)	00	6/11/2024	Common Stock	1 12	2,500	\$0	12,500		D	

Explanation of Responses:

1. This stock option vests and becomes exercisable in full on the earlier of (i) June 12, 2015 or (ii) the business day immediately preceding the date of the issuer's annual meeting of stockholders that occurs in 2015, provided that the reporting person remains in service as a director on such earlier date.

/s/ Patrick Rock, Attorney-in-Fact 06/13/2014

** 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.

POWER OF ATTORNEY

Know all by these present, that the undersigned hereby constitutes and appoints each of Patrick Rock, Mauri K. Hodges, and Alan A. Musso of Targacept, Inc. (the "Company"), and Megan Gates, Jonathan Urbon, and Nathan N. McConarty of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., signing singly, with full power of substitution, the undersigned's true and lawful attorney-in-fact to:

- (1) execute and deliver for and on behalf of the undersigned, forms and authentication documents for EDGAR Filing Access;
- (2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such forms and authentication documents;
- (3) execute and deliver for and on behalf of the undersigned, in the undersigned's capacity as an officer, director and/or 10% shareholder of the Company, Forms 3, 4 and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;
- (4) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5 and timely file such form with the United States Securities and Exchange Commission and any stock exchange, self-regulatory or similar authority; and
- (5) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, (i) any of the undersigned's responsibilities to comply with the requirements of the Exchange Act or any liability for the undersigned's failure to comply with such requirements or (ii) any obligation or liability that the undersigned incurs for profit disgorgement under Section 16(b) of the Securities Exchange Act of 1934, as amended.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

This Power of Attorney does not revoke any other power of attorney that the undersigned has previously granted.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed this 17th day of January, 2014.

/s/ Errol B. De Souza Errol B. De Souza, Ph.D.