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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| Check this | box if no longer subject to |
|-------------|-----------------------------|
| | Form 4 or Form 5 |
| | may continue. See |
| Instruction | |

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 | | | | | | | | | |
|----------------------|-----------|--|--|--|--|--|--|--|--|
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| Estimated average bu | rden | | | | | | | | |
| hours per response: | 0.5 | | | | | | | | |

| 1. Name and Address of Reporting Person | | | 2. Issuer Name and Ticker or Trading Symbol TARGACEPT INC [TRGT] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | | | |
|---|---|-------|---|---|---|---------|--------------------------|--|--|
| DARREIT | ARRETT M JAMES ast) (First) (Middle) 119 ST. PAUL STREET | | | X | Director | Х | 10% Owner | | |
| (Last) 1119 ST. PAUL S | | | 3. Date of Earliest Transaction (Month/Day/Year) 04/12/2006 | | Officer (give title below) | | Other (specify below) | | |
| | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | vidual or Joint/Group F | iling (| Check Applicable | | |
| (Street) BALTIMORE | MD | 21202 | | Line) X | Form filed by One F Form filed by More | • | • | | |
| (City) | (State) | (Zip) | | | 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 Code (Instr. | | | | | 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 | 04/12/2006 | | Р | | 350,000 | A | \$9 | 350,000 | Ι | See Note 1 ⁽¹⁾ |

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 Date, if any (Month/Day/Year) | 4. Transa Code (8) | | of Deriv Secu Acqu (A) or Dispo of (D) | f Expiration Date (Month/Day/Year) eccurities acquired A) or hisposed f (D) nstr. 3, 4 | | | | and ht of ties ying tive ty (Instr. 3 | 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 | | | | |

Explanation of Responses:

1. The Reporting Person is a general partner of NEA Partners 10, Limited Partnership, which is the sole general partner of New Enterprise Associates 10, Limited Partnership ("NEA 10"), the beneficial owner of the securities. The Reporting Person disclaims beneficial ownership within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, of such portion of the shares in which the Reporting Person has no actual pecuniary interest therein.

Remarks:

In addition to the shares reported herein, the Reporting Person indirectly owns Series C Preferred Stock convertible into 2,913,512 common shares which are beneficially owned by New Enterprise Associates 10, Limited Partnership ("NEA 10"). The Reporting Person is a general partner of NEA Partners 10, Limited Partnership, which is the sole general partner of NEA 10. These holdings have been previously reported. The Reporting Person disclaims beneficial ownership, within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, of such portion of these shares in which the Reporting Person has no actual pecuniary interest therein. In addition to the shares. The Reporting Person disclaims beneficial ownership, within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, of such portion of these shares of Common Stock of the Issuer. The Reporting Person does not have voting nor dispositive powers over such shares. The Reporting Person disclaims beneficial ownership, within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, of such portion of these shares in which the Reporting Person has no actual pecuniary interest therein.

/s/ Louis S. Citron, attorney-infact 04/14/2006

** 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.