

STOLL ROGER G PHD  
Form 4  
August 14, 2012

**FORM 4**

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
STOLL ROGER G PHD

2. Issuer Name and Ticker or Trading Symbol  
CORTEX PHARMACEUTICALS  
INC/DE/ [COR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
7700 IRIVNE CENTER  
DRIVE, SUITE 750  
  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
08/10/2012

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Executive Chairman

IRVINE, CA 92618

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**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) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) |     |       |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|-----|-------|
|                                 |                                      |  |                                | (A) or (D)  | Code  | V  | Amount  | (D) | Price |

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

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(9-02)

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

| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction | 5. Number of Derivative | 6. Date Exercisable and Expiration Date | 7. Title and Amount Underlying Securities |
|------------------------|---------------|--------------------------------------|-------------------------------|----------------|-------------------------|---|---|
|------------------------|---------------|--------------------------------------|-------------------------------|----------------|-------------------------|---|---|

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| Security (Instr. 3)              | or Exercise Price of Derivative Security | any (Month/Day/Year) | Code (Instr. 8) | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | (Instr. 3 and 4) |                 |              |                      |  |
|----------------------------------|--|----------------------|-----------------|---|------------------|------------------|-----------------|--------------|----------------------|--|
|                                  |  |                      | Code V          | (A)   | (D)              | Date Exercisable | Expiration Date | Title        | Amount Number Shares |  |
| Options to Purchase Common Stock | \$ 0.06                                  | 08/10/2012           | A               | 3,083,334<br><u>(1)</u>   |                  | 08/10/2012       | 08/10/2022      | Common Stock | 3,083,334            |  |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                    |       |
|--|---------------|-----------|--------------------|-------|
|  | Director      | 10% Owner | Officer            | Other |
| STOLL ROGER G PHD<br>7700 IRIVNE CENTER DRIVE<br>SUITE 750<br>IRVINE, CA 92618 | X             |           | Executive Chairman |       |

## Signatures

Maria Messinger, Attorney  
in fact  
\*\*Signature of Reporting Person  
Date

08/13/2012

## Explanation of Responses:

- \* 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).
- (1) Options were granted in lieu of cash for certain severance obligations.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.