

CORTEX PHARMACEUTICALS INC/DE/
Form 3
August 20, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Illinois Ventures GP, LLC | | (Month/Day/Year) | CORTEX PHARMACEUTICALS INC/DE/ [CORX] | |
| (Last) | (First) | (Middle) | 08/10/2012 | |
| 20 NORTH WACKER,Â SUITE 1201 | | | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | | (Check all applicable) | |
| CHICAGO,Â ILÂ 60606 | | | <input type="checkbox"/> Director | <input checked="" type="checkbox"/> 10% Owner |
| (City) | (State) | (Zip) | <input type="checkbox"/> Officer | <input type="checkbox"/> Other |
| | | | (give title below) | (specify below) |
| | | | 6. Individual or Joint/Group Filing(Check Applicable Line) | |
| | | | <input type="checkbox"/> Form filed by One Reporting Person | |
| | | | <input checked="" type="checkbox"/> Form filed by More than One Reporting Person | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|--|---|--|
| Common Stock, par value \$0.001 per share | 20,334,546 | I ⁽¹⁾ | See Footnote 1 |

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

SEC 1473 (7-02)

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 control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) Title | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|---|--|---|--|
|---|---|---|--|---|--|

| | | | |
|---------------------|--------------------|----------------------------------|----------------------------------|
| Date Exercisable | Expiration Date | Amount or Number of Shares | or Indirect (I) (Instr. 5) |
|---------------------|--------------------|----------------------------------|----------------------------------|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|--------------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| IllinoisVentures GP, LLC 20 NORTH WACKER SUITE 1201 CHICAGO, IL 60606 | ^ | ^ X | ^ | ^ |
| ILLINOIS EMERGING TECHNOLOGIES FUND LP 20 NORTH WACKER, SUITE 1201 CHICAGO, IL 60606 | ^ | ^ X | ^ | ^ |

Signatures

| | | |
|---|------------|------|
| /s/ John Banta, Managing Principal | 08/20/2012 | |
| **Signature of Reporting Person | | Date |
| /s/ John Banta, Managing Principal, IllinoisVentures GP, LLC, its general partner | 08/20/2012 | |
| **Signature of Reporting Person | | Date |

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Shares listed are directly held by Illinois Emerging Technologies Fund, LP ("IETF"), the general partner of which is IllinoisVentures GP, LLC (the "General Partner"). The General Partner may be deemed an indirect beneficial owner of the shares held by IETF. Pursuant to Rule 16a-1(a)(4) promulgated under the Exchange Act of 1934, as amended, the General Partner disclaims its beneficial ownership of such shares, except to the extent of its pecuniary interest.

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.