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

**FORM 8-K**

Current Report

Pursuant to Section 13 or 15(d) of  
the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): November 2, 2015

**CORTEX PHARMACEUTICALS, INC.**  
(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction  
of incorporation)

1-16467  
(Commission  
File Number)

33-0303583  
(I.R.S Employer  
Identification No.)

126 Valley Road, Suite C  
Glen Rock, New Jersey  
(Address of principal executive offices)

07452  
(Zip Code)

Registrant's telephone number, including area code: (201) 444-4947

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 1.01 Entry into a Material Definitive Agreement.**

On November 2, 2015, Cortex Pharmaceuticals, Inc. (the “Company”) entered into a Second Amended and Restated Common Stock and Warrant Purchase Agreement (the “Purchase Agreement”) with various accredited investors (each, a “Purchaser” and, together with purchasers in the previous closings under the Private Placement, the “Purchasers”), pursuant to which the Company sold units for aggregate cash consideration of \$255,000, with each unit consisting of (i) one share of the Company’s Common Stock, par value \$0.001 (“Common Stock”), and (ii) one Warrant to purchase two additional shares of Common Stock (each a “Warrant” and collectively, the “Warrants”). This closing was the third closing of a private placement of up to \$3,000,000 (the “Private Placement”), bringing the aggregate amount raised under the Private Placement as of November 2, 2015 to \$1,194,710.

The initial closing of the Private Placement for \$721,180 occurred on August 28, 2015, and the second closing for \$218,530 occurred on September 28, 2015. The Company filed Current Reports on Form 8-K in connection with those prior closings on August 31, 2015, and October 2, 2015, respectively.

The shares of common stock issued, and the shares of Common Stock issuable pursuant to Warrants, issued in the Private Placement through November 2, 2015 are shown in the table below.

<u>Closing Date</u>	<u>Number of Shares Issued</u>	<u>Number of Shares Issuable Upon Exercise of Warrants</u>
August 28, 2015	34,292,917	68,585,834
September 28, 2015	10,391,349	20,782,698
November 2, 2015	12,125,536	24,251,072
Total	56,809,802	113,619,604

The price per unit in each closing of the Private Placement was \$0.02103 (the “Per Unit Price”). The Warrants are exercisable until 5:00 p.m. on September 30, 2020 and may be exercised at a price of \$0.02103 for each share of Common Stock to be acquired upon exercise. The Purchasers consisted of non-affiliated investors, other than James S. J. Manuso, the President and Chief Executive Officer of the Company, who invested \$250,000 in the initial closing of the Private Placement. The Warrants do not contain any cashless exercise provision.

In the case of an Acquisition (as defined in the Purchase Agreement), in which the Company is not the surviving entity, the holder of the Warrant would receive from any surviving entity or successor to the Company, in exchange for the Warrant, a new warrant from the surviving entity or successor to the Company, substantially in the form of the existing Warrant and with an exercise price adjusted to reflect the nearest equivalent exercise price of common stock (or other applicable equity interest) of the surviving entity that would reflect the economic value of the Warrant, but in the surviving entity.

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No registration rights were granted to any Purchaser in the Private Placement with respect to (i) the shares of Common Stock issued as part of the units, (ii) the Warrants, or (iii) the shares of Common Stock issuable upon exercise of the Warrants.

Placement agent fees, brokerage commissions, finder's fees or similar payments were made in the form of cash and warrants to qualified referral sources in connection with certain sales of the shares of Common Stock and Warrants, while other sales, including the sale to James S. J. Manuso, did not result in any fees or commissions. Accordingly, the amount of such fees, on a percentage basis, varies in each closing. The fees paid to such referral sources for the initial closing in cash totaled \$47,118, or 6.5% of the aggregate amount paid for the units sold. The fees paid in warrants for the initial closing to such referral sources (the warrants paid to qualified referral sources are referred to herein as the "Placement Agent Warrants") consist of warrants for 2,240,517 shares of Common Stock, or that number of shares equal to 6.5% of the number of shares of Common Stock issued as part of the units, but not the shares underlying the Warrants. In connection with the second closing, fees paid to referral sources in cash totaled \$18,603, or 8.5% of the aggregate amount paid for the units sold, and 884,594 Placement Agent Warrants were issued, or warrants for that number of shares equal to 8.5% of the number of shares of Common Stock issued as part of the units, but not the shares underlying the Warrants. In connection with the third closing, fees paid to referral sources in cash totaled \$25,500, or 10.0% of the aggregate amount paid for the units sold, and 1,212,553 Placement Agent Warrants were issued, or warrants for that number of shares equal to 10.0% of the number of shares of Common Stock issued as part of the units, but not the shares underlying the Warrants. Placement Agent Warrants are exercisable until September 30, 2020 at the Per Unit Price. The Placement Agent Warrants have a cashless exercise provision. One of the placement agents that received Placement Agent Warrants is Aurora Capital LLC ("Aurora"). Both Arnold S. Lippa and Jeff E. Margolis, officers and directors of the Company, have indirect ownership interests in Aurora through interests held in its members, and Jeff E. Margolis is also an officer of Aurora. As a result, both Arnold S. Lippa and Jeff E. Margolis, or entities in which they have interests, will receive a portion of the Placement Agent Warrants awarded in the Private Placement.

The shares of Common Stock and Warrants were offered and sold without registration under the Securities Act of 1933, as amended (the "Securities Act") in reliance on the exemptions provided by Section 4(a)(2) of the Securities Act as provided in Rule 506(b) of Regulation D promulgated thereunder. None of the shares of Common Stock issued as part of the units, the Warrants, the Common Stock issuable upon exercise of the Warrants, the Placement Agent Warrants or the shares of Common Stock issuable upon exercise of the Placement Agent Warrants have been registered under the Securities Act or any other applicable securities laws, and unless so registered, may not be offered or sold in the United States except pursuant to an exemption from the registration requirements of the Securities Act.

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This description of the Purchase Agreement and the form of Warrant does not purport to be complete and is qualified in its entirety by reference to the form of Purchase Agreement (including the Form of Warrant attached as Exhibit A thereto), which is included as Exhibit 10.1 to this Current Report on Form 8-K and is incorporated herein by reference.

### **Item 3.02 Unregistered Sales of Equity Securities.**

The information provided in response to Item 1.01 of this report is incorporated by reference into this Item 3.02. The Purchasers of shares of Common Stock and Warrants sold in the Private Placement made representations to the Company that they met the accredited investor definition of Rule 501 of the Securities Act, and the Company relied on such representations. The offer and sale of the shares of Common Stock and Warrants in the Private Placement were made in reliance on the exemption from registration afforded by Section 4(a)(2) of the Securities Act as provided in Rule 506(b) of Regulation D promulgated thereunder. The offering of the shares of Common Stock and Warrants in the Private Placement were not conducted in connection with a public offering, and no public solicitation or advertisement was made or relied upon by any investor in connection with the offering. This Current Report on Form 8-K shall not constitute an offer to sell or the solicitation of an offer to buy, nor shall such securities be offered or sold in the United States absent registration or an applicable exemption from the registration requirements.

### **Item 9.01 Financial Statements and Exhibits**

(d) Exhibits.

A list of exhibits required to be filed as part of this report is set forth in the Exhibit Index, which is presented elsewhere in this document, and is incorporated herein by reference.

#### *Cautionary Statement*

Statements in this report that are “forward-looking statements” within the meaning of the federal securities laws, including the Company’s expectations and beliefs about its recording of revenue and the effects of any misreporting on its financial statements, are based on currently available information. Terminology such as “believe,” “expect,” “intend,” “estimate,” “project,” “anticipate,” “will” or similar statements or variations of such terms are intended to identify forward-looking statements, although not all forward-looking statements contain such terms. These forward-looking are subject to a number of risks, uncertainties and other factors that could cause the Company’s actual results, performance, prospects or opportunities in 2015 and beyond to differ materially from those expressed in, or implied by, these forward-looking statements. These risks include the risks referenced in the Company’s most recently filed Annual Report on Form 10-K or as may be described from time to time in the Company’s subsequent filings with the Securities and Exchange Commission, and such factors are incorporated by reference herein.

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Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: November 5, 2015

CORTEX PHARMACEUTICALS, INC.  
(Registrant)

By: /s/ James S. J. Manuso

James S. J. Manuso  
President and Chief Executive Officer

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## EXHIBIT INDEX

<b>Exhibit Number</b>	<b>Exhibit Description</b>
10.1	Form of Purchase Agreement (including the Form of Warrant), incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed August 31, 2015.

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