

**FORM 4****UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**OMB APPROVAL**

OMB Number: 3235-0287  
 Estimated average burden  
 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*   |  |  | 2. Issuer Name and Ticker or Trading Symbol              |  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)   |  |
| <u>Morenstein Scott D</u><br><br>(Last) (First) (Middle)<br><u>C/O CAXTON ALTERNATIVE MANAGEMENT</u><br><u>1330 6TH AVENUE, 20TH FLOOR</u><br><br>(Street)<br><u>NEW YORK NY 10019</u><br><br>(City) (State) (Zip) |  |  | <u>SYNTA PHARMACEUTICALS CORP [</u><br><u>SNTA ]</u>     |  | <input checked="" type="checkbox"/> Director 10% Owner<br>Officer (give title below) Other (specify below)             |  |
|  |  |  | 3. Date of Earliest Transaction (Month/Day/Year)         |  |  |  |
|  |  |  | <u>11/03/2015</u>  |  |  |  |
|  |  |  | 4. If Amendment, Date of Original Filed (Month/Day/Year) |  | 6. Individual or Joint/Group Filing (Check Applicable Line)  |  |
|  |  |  |  |  | <input checked="" type="checkbox"/> Form filed by One Reporting Person<br>Form filed by More than One Reporting 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) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |       | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price |   |  |   |

**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. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |     | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                            | 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 |  |  |   |  |
| Non-Employee Director Stock Option (Right to Buy) | \$0.67   | 11/03/2015                           |  | A                              |   | 40,000   |     | (I)  | 11/03/2025      | Common Stock  | 40,000                     | \$0  | 40,000   | D   |  |

**Explanation of Responses:**

1. 1. The option vests as to 25% of the shares on November 3, 2016 and as to an additional 6.25% of the shares on the last day of each successive three-month period thereafter.

/s/ Scott D. Morenstein 11/05/2015

\*\* 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.**