

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

Washington, D.C. 20549

OMB APPROVAL

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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

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* <u>Kovner Bruce</u> (Last) (First) (Middle) <u>C/O CAXTON CORPORATION</u> <u>731 ALEXANDER ROAD, BLDG. 2</u> (Street) <u>PRINCETON NJ 08540</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>SYNTA PHARMACEUTICALS CORP [</u> <u>SNTA]</u> 3. Date of Earliest Transaction (Month/Day/Year) <u>09/30/2015</u> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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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			
Common Stock	09/30/2015		J ⁽¹⁾		120,854	A	(1)	15,399,464	I	By KFO Holdings LLC ⁽³⁾
Common Stock	09/30/2015		J ⁽¹⁾		120,854	D	(1)	0	I	By Kovner 2012-D Synta Investment Trust
Common Stock	09/30/2015		J ⁽²⁾		4,000,000	A	(2)	4,000,000	I	By Kovner 2015-A Investment Trust
Common Stock	09/30/2015		J ⁽²⁾		4,000,000	D	(2)	11,399,464	I	By KFO Holdings LLC ⁽³⁾
Common Stock								3,092,677	D	
Common Stock								2,279,146	I	By Wife ⁽⁴⁾
Common Stock								5,460,000	I	By OB Select Opportunities, LLC ⁽⁵⁾
Common Stock								7,761,716	I	By CxSynta LLC ⁽⁶⁾
Common Stock								3,100,000	I	By Kovner 2012 Family Trust B

**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				

Explanation of Responses:

1. Reflects the transfer of 120,854 shares from the Kovner 2012-D Synta Investment Trust to KFO Holdings LLC.
2. Reflects the transfer of 4,000,000 shares from KFO Holdings LLC to the Kovner 2015-A Investment Trust.
3. These shares are owned directly by KFO Holdings LLC and indirectly by the Reporting Person as chairman and sole shareholder of Caxton Corporation, the manager of KFO Holdings LLC. The Reporting Person disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein, and the inclusion of these shares in this report shall not be deemed an admission of beneficial ownership of all of the reported shares for purposes of Section 16 or for any other purpose.
4. These securities are owned by the wife of the Reporting Person.
5. These shares are owned directly by OB Select Opportunities, LLC and indirectly by the Reporting Person as chairman and sole shareholder of Caxton Corporation, the manager of OB Select Opportunities, LLC. The Reporting Person disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein, and the inclusion of these shares in this report shall not be deemed an admission of beneficial ownership of all of the reported shares for purposes of Section 16 or for any other purpose.
6. These shares are owned directly by CxSynta LLC and indirectly by the Reporting Person as chairman and sole shareholder of Caxton Corporation, the managing member of CxSynta LLC. The Reporting Person disclaims beneficial ownership of these shares except to the extent of his pecuniary interest therein, and the inclusion of these shares in this report shall not be deemed an admission of the beneficial ownership of all of the reported shares for purposes of Section 16 or for any other purpose.

/s/Heath N. Weisberg,
Attorney-In-Fact

10/02/2015

** 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.