

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, Section
17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the
Investment Company Act of 1940

1. Name and Address of Reporting Person* Kovner Bruce (Last) (First) (Middle) C/O CAXTON CORPORATION, 731 ALEXANDER ROAD, BLDG 2 (Street) PRINCETON NJ 08540 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol SYNTA PHARMACEUTICALS CORP [SNTA] 3. Date of Earliest Transaction (Month/Day/Year) 07/01/2014 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	07/01/2014		A		9,756 ⁽¹⁾	A	\$ 0 ⁽¹⁾	3,058,422	D	
Common Stock	07/01/2014		A		1,219 ⁽²⁾	A	\$ 0 ⁽²⁾	3,059,641	D	
Common Stock	07/01/2014		A		1,219 ⁽³⁾	A	\$ 0 ⁽³⁾	3,060,860	D	
Common Stock								8,121,467	I	By KFO Holdings LLC ⁽⁴⁾
Common Stock								5,460,000	I	By OB Select Opportunities, LLC ⁽⁵⁾
Common Stock								3,100,000	I	By Kovner 2012 Family Trust B
Common Stock								125,000	I	By Kovner 2011 Family Trust
Common Stock								125,000	I	By Kovner 2011-B Investment Trust
Common Stock								125,000	I	By Kovner 2011-C Investment Trust
Common Stock								125,000	I	By Kovner 2011-D Investment Trust

Common Stock								475,000	I	By Kovner 2012-A Synta Investment Trust
Common Stock								475,000	I	By Kovner 2012-B Synta Investment Trust
Common Stock								475,000	I	By Kovner 2012-C Synta Investment Trust
Common Stock								475,000	I	By Kovner 2012-D Synta Investment Trust
Common Stock								7,761,716	I	By CxSynta LLC ⁽⁶⁾

**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 Underlying Securities (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 of Derivative Security: 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				
Director Stock Option (Right to Buy)	\$ 4.1	07/01/2014		A		10,000		(7)	07/01/2024	Common Stock	10,000	\$ 0	10,000	D	

Explanation of Responses:

1. Represents a restricted stock grant subject to the Issuer's lapsing forfeiture right, which lapses as to 25% of the shares on each of September 30, 2014, December 31, 2014, March 31, 2015 and June 30, 2015, provided the Reporting Person continues to serve as a director of the Issuer on such date.
2. Represents a restricted stock grant subject to the Issuer's lapsing forfeiture right, which lapses as to 25% of the shares on each of September 30, 2014, December 31, 2014, March 31, 2015 and June 30, 2015, provided the Reporting Person continues to serve as a member of the Compensation Committee of the Board of Directors of the Issuer on such date.
3. Represents a restricted stock grant subject to the Issuer's lapsing forfeiture right, which lapses as to 25% of the shares on each of September 30, 2014, December 31, 2014, March 31, 2015 and June 30, 2015, provided the Reporting Person continues to serve as a member of the Nominating and Governance Committee of the Board of Directors of the Issuer on such date.
4. These shares are owned directly by KFO Holdings LLC ("KFO") and indirectly by the Reporting Person as the sole member of KFO.
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.
7. The option vests as to 25% of the shares on each of September 30, 2014, December 31, 2014, March 31, 2015 and June 30, 2015, provided the Reporting Person continues to serve as a director of the Issuer on such date.

/s/ Heath Weisberg.
Attorney-in-Fact

07/03/2014

** 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.

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