

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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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> <hr/> (Last) (First) (Middle) <u>C/O CAXTON CORPORATION</u> <u>731 ALEXANDER ROAD, BLDG. 2</u> <hr/> (Street) <u>PRINCETON NJ 08540</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>SYNTA PHARMACEUTICALS CORP [SYNTA]</u> <hr/> 3. Date of Earliest Transaction (Month/Day/Year) <u>06/30/2015</u> <hr/> 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) <hr/> 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	06/30/2015		J ⁽¹⁾		2,279,146	A	(1)	2,279,146	I	By wife ⁽²⁾
Common Stock	06/30/2015		J ⁽¹⁾		250,000	D	(1)	0	I	By Kovner 2011 Family Trust
Common Stock	06/30/2015		J ⁽¹⁾		125,000	D	(1)	0	I	By Kovner 2011-C Investment Trust
Common Stock	06/30/2015		J ⁽¹⁾		125,000	D	(1)	0	I	By Kovner 2011-D Investment Trust
Common Stock	06/30/2015		J ⁽¹⁾		475,000	D	(1)	0	I	By Kovner 2012 Family Trust A
Common Stock	06/30/2015		J ⁽¹⁾		475,000	D	(1)	0	I	By Kovner 2012-B Synta Investment Trust
Common Stock	06/30/2015		J ⁽¹⁾		475,000	D	(1)	0	I	By Kovner 2012-C Synta Investment Trust
Common Stock	06/30/2015		J ⁽¹⁾		354,146	D	(1)	120,854	I	By Kovner 2012-D Synta Investment Trust
Common Stock	07/01/2015		A		22,727 ⁽⁶⁾	A	(6)	3,083,587	D	
Common Stock	07/01/2015		A		4,545 ⁽⁷⁾	A	(7)	3,088,132	D	
Common Stock	07/01/2015		A		4,545 ⁽⁸⁾	A	(8)	3,092,677	D	
Common Stock								15,278,610	I	By KFO Holdings LLC ⁽³⁾

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								5,460,000	I	By OB Select Opportunities, LLC ⁽⁴⁾
Common Stock								7,761,716	I	By CxSynta LLC ⁽⁵⁾
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				
Director Stock Option (Right to Buy)	\$2.2	07/01/2015		A		20,000		(9)	07/01/2025	Common Stock	20,000	\$0	20,000	D	

Explanation of Responses:

1. Reflects the transfer of a total of 2,279,146 shares from the Kovner 2011 Family Trust, Kovner 2011-C Investment Trust, Kovner 2011-D Investment Trust, Kovner 2012 Family Trust A, Kovner 2012-B Synta Investment Trust, Kovner 2012-C Synta Investment Trust, and Kovner 2012-D Synta Investment Trust to the wife of the Reporting Person.
2. These securities are owned by the wife of the Reporting Person.
3. These shares are owned directly by KFO Holdings LLC ("KFO") and indirectly by the Reporting Person as chairman and sole shareholder of Caxton Corporation, the manager of KFO. 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 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.
5. 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.
6. 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, 2015, December 31, 2015, March 31, 2016 and June 30, 2016, provided the Reporting Person continues to serve as a director of the Issuer on such date.
7. 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, 2015, December 31, 2015, March 31, 2016 and June 30, 2016, 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.
8. 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, 2015, December 31, 2015, March 31, 2016 and June 30, 2016, 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.
9. The option vests as to 25% of the shares on each of September 30, 2015, December 31, 2015, March 31, 2016 and June 30, 2016, provided the Reporting Person continues to serve as a director of the Issuer on such date.

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

07/02/2015

** 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.

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