Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Expires: 2014 Estimated average burden hours per 0.5 response 2. Issuer Name and Ticker or Trading Symbol 5. Relationship of Reporting Person(s) to SYNTA PHARMACEUTICALS CORP [SNTA] Issuer (Check all applicable) 3. Date of Earliest Transaction (Month/Day/Year) X Director 10% Owner 07/01/2014 Officer (give Other (specify title below) below) 4. If Amendment, Date of Original Filed 6. Individual or Joint/Group Filing (Check

Applicable Line)

Person

OMB APPROVAL

3235-0287

December 31,

OMB Number:

X Form filed by One Reporting Person Form filed by More than One Reporting

C/O SYNTA PHARMACEUTICALS CORP., 45 HARTWELL AVENUE									
(Street) LEXINGTON	МА	02421							
(City)	(State)	(Zip)							

1. Name and Address of Reporting Person^{*}

(Middle)

(First)

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. Transac Code (Instr. 8)		4. Securi Acquired Disposed (Instr. 3,	l (A) d of (D)	5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	or Indirect (I) (Instr. 4)		
Common Stock	07/01/2014		Α		9,756 ⁽¹⁾	Α	\$ 0 ⁽¹⁾	342,011	D		
Common Stock	07/01/2014		Α		4,878 ⁽²⁾	А	\$ 0 ⁽²⁾	346,889	D		
Common Stock	07/01/2014		Α		2,439 ⁽³⁾	Α	\$ 0 ⁽³⁾	349,328	D		
Common Stock	07/01/2014		Α		1,219 (4)	Α	\$ 0 ⁽⁴⁾	350,547	D		
Common Stock	07/01/2014		Α		1,219 ⁽⁵⁾	Α	\$ 0 ⁽⁵⁾	351,766	D		
Common Stock								2,823,383	I	By Wyandanch Partners, L.P. ⁽⁶⁾	
Common Stock								175,000	I	By Keith R. Gollust IRA	

(Month/Day/Year)

Gollust Keith R

(Last)

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. Transac Code (Instr. 8		of Deriva Securi Acquir (A) or Dispos of (D) (Instr.	Derivative (Month/Day/Year) Securities Acquired (A) or Disposed		te Amount of		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	
Director Stock Option (Right to Buy)	\$ 4.1	07/01/2014		A		4,500		(8)	07/01/2024	Common Stock	4,500	\$ 0	4,500	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 Chairman 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 Chairman of the Nominating and Governance Committee of the Board of Directors of the Issuer on such date.

4. 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 Audit Committee of the Board of Directors of the Issuer on such date.

5. 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.

6. The Reporting Person disclaims beneficial ownership of these securities except to the extent of his pecuniary interest therein, if any, 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.

8. 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 Chairman of the Board of Directors of the Issuer on such date.

/s/ Garrett M. Winslow,
Attorney-in-Fact07/03/2014** Signature of Reporting
PersonDate

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.