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

Name and Address of Reporting Person*     Gollust Keith R					2. Issuer Name and Ticker or Trading Symbol SYNTA PHARMACEUTICALS CORP [ SNTA ]								Check all ap	oplicable)		Person(s) to Issuer		
(Last) (First) (Middle) C/O SYNTA PHARMACEUTICALS CORP.					3. Date of Earliest Transaction (Month/Day/Year) 04/14/2011								belo	er (give ti w)	title Otr bel		er (specify ow)	
45 HARTWELL AVENUE				4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)							′ I	6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)  LEXING  (City)			2421 (ip)	-								Form	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
Date			2. Transaction Date (Month/Day/	Year)	Execution		е,	Transaction Disposed (Code (Instr. and 5)		Disposed Of	es Acquired (A) o		Securities Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
								Code	v	Amount	(A) or (D)	Price	Reported Transact	Following Reported Transaction(s) (Instr. 3 and 4)		. 4)	(Instr. 4)	
Common	04/14/20	011				P		100,000	A	\$4.89	1,677,967		I		By Wyandanch Partners, L.P. <sup>(1)</sup>			
Common										179	179,523		D					
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	Code	saction e (Instr.	of Deriv Secu Acqu (A) o Disp of (D	r osed ) r. 3, 4	Expiration Date (Month/Day/Year)		Date /Year)	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)  Amount or Number of Title Shares		8. Price of Derivative Security (Instr. 5)	9. Number of derivative securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownersh Form: Direct (D or Indire (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)	

## Explanation of Responses:

1. 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.

/s/ Ann Margaret Eames. Attorney-in-Fact 04/18/2011

\*\* 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.