

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>Gollust Keith R</u> <hr/> <div style="display: flex; justify-content: space-between;"> (Last) (First) (Middle) </div> <u>C/O SYNTA PHARMACEUTICALS CORP.</u> <u>45 HARTWELL AVENUE</u> <hr/> <div style="display: flex; justify-content: space-between;"> (Street) </div> <u>LEXINGTON MA 02421</u> <hr/> <div style="display: flex; justify-content: space-between;"> (City) (State) (Zip) </div>	2. Issuer Name and Ticker or Trading Symbol <u>SYNTA PHARMACEUTICALS CORP [</u> <u>SNTA]</u> <hr/> 3. Date of Earliest Transaction (Month/Day/Year) <u>06/30/2007</u> <hr/> 4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Director <div style="text-align: right;">10% Owner</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Officer (give title below)</div> <div>Other (specify below)</div> </div>
		6. Individual or Joint/Group Filing (Check Applicable Line) <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Form filed by One Reporting Person <div style="text-align: right;">Form filed by More than One Reporting Person</div> </div>

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	06/30/2007		A		4,819 ⁽¹⁾	A	\$0 ⁽¹⁾	39,176	D	
Common Stock								1,330,970	I	By Wyandanch Partners, L.P. ⁽²⁾⁽³⁾
Common Stock								50,000	I	By Gollust Trust II ⁽⁴⁾⁽³⁾

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. Represents a restricted stock grant subject to the Issuer's lapsing forfeiture right, which lapses as to 25% of the shares on September 30, 2007, 50% of the shares on December 31, 2007, 75% of the shares on March 31, 2008 and 100% of the shares on June 30, 2008.

2. These shares are owned directly by Wyandanch Partners, L.P. and indirectly by the Reporting Person as the president and sole stockholder of Gollust Management, Inc., the general partner of Wyandanch Partners, L.P.

3. 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.

4. These shares are owned directly by the Gollust Trust II, a trust established for the benefit of the Reporting Person's minor children.

/s/ Ann Margaret Eames,
Attorney-in-Fact

07/03/2007

** 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.