FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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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 [*] REARDON WILLIAM S			2. Issuer Name and Ticker or Trading Symbol SYNTA PHARMACEUTICALS CORP [SNTA]		tionship of Reporting Person(s) to Issuer all applicable) Director 10% Owner				
(Last) (First) (Middle) C/O SYNTA PHARMACEUTICALS CORP. 45 HARTWELL AVENUE		()	3. Date of Earliest Transaction (Month/Day/Year) 06/30/2007		Officer (give title below)	Other (specify below)			
			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)				X	Form filed by One Reporting Person				
LEXINGTON					Form filed by More tha Person	n One Reporting			
(City)	(State)	(Zip)							
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									

Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		3. Transaction Code (Instr. 8)					5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(Instr. 4)
Common Stock	06/30/2007		A		1,204(1)	A	\$0 ⁽¹⁾	2,826	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security2. Conversion or Exercise Price of Derivative Security3. Transaction Date (Month/Day/Year)3. Deemed Execution Date, if any (Month/Day/Year)5. Number of Late Dorivative Be (Month/Day/Year)6. Date Exercisable and Expiration Date (Month/Day/Year)7. Title and Amount of Securities Underlying Derivative Security8. Price of Month/Day/Year)9. Number of derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)10. Nature of Indirect Date Expiration Date (Month/Day/Year)11. Nature of Indirect Or Expiration Date (Month/Day/Year)1. Title and Expiration Date (Instr. 3)8. Price of Derivative Securities Underlying Derivative Security (Instr. 5)9. Number of derivative Securities Beneficially Owned (Instr. 4)10. Ownership Ownership Ownership Ownership (Instr. 4)															
Derivative Security	or Exercise Price of Derivative	Date	Execution Date, if any	Code (In		of Deriv Secu Acqu (A) of Dispo of (D) (Instr	vative rities lired r osed) . 3, 4	Expiration D	ate	Amour Securi Under Deriva Securi	nt of ties ying tive ty (Instr.	of Derivative Security	derivative Securities Beneficially Owned Following Reported Transaction(s)	Ownership Form: Direct (D) or Indirect (I) (Instr.	of Indirect Beneficial Ownership
				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.

/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.