FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
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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

(Street)	C/O SYNTA PHARMACEUTICALS CORP. 45 HARTWELL AVENUE Street) LEXINGTON MA 02421							2. Issuer Name and Ticker or Trading Symbol SYNTA PHARMACEUTICALS CORP [SNTA] 3. Date of Earliest Transaction (Month/Day/Year) 02/26/2007 4. If Amendment, Date of Original Filed (Month/Day/Year)								Relationship of Reporting Person(s) to Issuer theck all applicable) Director 10% Owner X Officer (give title Other (specify below) below) VP, IP and Legal, Gen. Counsel Individual or Joint/Group Filing (Check Applicatine) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)					ction	on 2A. Deemed Execution Date,			3. Transacti Code (Ins 8)	on	4. Securities Acquired Disposed Of (D) (Instr. and 5)			(A) or 5. Amoun		unt of 6. Creater (D) Ind (Insection(s)		m: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
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. Deel Execution if any (Month/	on Date,	4. Transact Code (In 8)		n of E		6. Date Exercisab Expiration Date Month/Day/Year)			Amount of Securities Underlying Derivative Security (II and 4)		8. Price of Derivat Securit (Instr.	ive	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ownershi Form: Direct (D) or Indirect (I) (Instr.		Beneficial Ownership	
					Code	v	(A)	(D)	Date Exercisable	Ex	piration te	Title	Amount or Number of Shares							
Employee Stock Option (Right to Buy)	\$8.75	02/26/2007			A		22,000		(1)	02/	/26/2017	Common Stock	22,000	\$0		22,000		D		

Explanation of Responses:

 $1. \ The option \ vests \ as \ to \ 25\% \ of \ the \ shares \ on \ February \ 26, \ 2008 \ and \ as \ to \ an \ additional \ 6.25\% \ of \ the \ shares \ on \ the \ last \ day \ of \ each \ successive \ three-month \ period \ thereafter.$

/s/ Ann Margaret Eames, Attorney-in-Fact 02/28/2007

** 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.