FORM	4
------	---

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

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

Estimated average burden

3235-0287

2014

December 31,

OMB

Number:

Expires:

hours per

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

1(b).	7(a) of the Publ	ic Utility Holding Company Act of 1935 or Section Investment Company Act of 1940	30(h) of the	hours per response	0.5		
I. Name and Address of Repo Bahcall Safi R	rting Person <sup>*</sup>	2. Issuer Name <b>and</b> Ticker or Trading Symbol SYNTA PHARMACEUTICALS CORP [SNTA]	] Issuer				
(Last) (First) (Middle) C/O SYNTA PHARMACEUTICALS CORP., 45 HARTWELL AVENUE	3. Date of Earliest Transaction (Month/Day/Year) 02/28/2007	(Check all applicable)         X       Director       10% Owner         X       Officer (give title below)       Other (specify below)         President and CEO					
	)2421 Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	<ul> <li>6. Individual or Joint/Group Filing</li> <li>(Check Applicable Line)</li> <li>X Form filed by One Reporting Person</li> <li>Form filed by More than One</li> <li>Reporting Person</li> </ul>				

	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)	Transaction Code		Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			Securities Beneficially Owned	Form: Direct (D)	7. Nature of Indirect Beneficial Ownership			
			Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	or Indirect (I) (Instr. 4)	(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. Deemed Execution Date, if any (Month/Day/Year)	4. 5. Transaction Derivative (Instr. 8) Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ative ties red sed 3,			7. Title and Amount of Underlying Securities (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 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				
Employee Stock Option (Right to Buy)	\$ 8.53	02/28/2007		A		46,000		(1)	02/28/2017	Common Stock	46,000	\$0	46,000	D	

## **Explanation of Responses:**

1. The option vests as to 25% of the shares on February 28, 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.<br/>Attorney-in-Fact02/28/2007\*\* Signature of Reporting<br/>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.