

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

## OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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 Investment Company Act of 1940

<b>1. Name and Address of Reporting Person*</b> <b>Koya Keizo</b>  (Last) (First) (Middle) <b>C/O SYNTA PHARMACEUTICALS CORP., 45 HARTWELL AVENUE</b>  (Street) <b>LEXINGTON MA 02421</b>  (City) (State) (Zip)	<b>2. Date of Event Requiring Statement (Month/Day/Year)</b> <b>02/05/2007</b>	<b>3. Issuer Name and Ticker or Trading Symbol</b> <b>SYNTA PHARMACEUTICALS CORP [SNTA]</b>	
		<b>4. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Director   <input checked="" type="checkbox"/> Officer (give title below)  <b>Sr. VP, Drug Development</b> </div> <div> <input type="checkbox"/> 10% Owner   <input type="checkbox"/> Other (specify below)         </div> </div>	<b>5. If Amendment, Date of Original Filed (Month/Day/Year)</b> <b>02/05/2007</b>
<b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	33,045 <sup>(1)</sup>	D	

**Table II - Derivative Securities Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares <sup>M</sup>			

**Explanation of Responses:**

1. This Form 3/A amends the Form 3 filed on February 5, 2007 in which the number of shares of Common Stock owned by the Reporting Person was overstated by 173 shares.

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

04/03/2007

\*\* 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 5(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.**