

Trias Joaquim
Form 3
February 23, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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

(Print or Type Responses)

<p>1. Name and Address of Reporting Person *</p> <p>Â Trias Joaquim</p> <p>(Last) (First) (Middle)</p> <p>C/O ANTHERA PHARMACEUTICALS, INC.,Â 25801 INDUSTRIAL BOULEVARD, SUITE B</p> <p>(Street)</p> <p>HAYWARD,Â CAÂ 94545</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>02/23/2010</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>Anthera Pharmaceuticals Inc [ANTH]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) SR VP, Preclinical Development</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person</p>
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	156,643	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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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	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	(Instr. 5)
Series A-1 Convertible Preferred Stock	Â (1)	Â (1)	Common Stock	17,523	\$ (2)	D	Â
Stock Option (right to buy)	04/15/2009	04/15/2019	Common Stock	4,380	\$ 1.51	D	Â
Stock Option (right to buy)	Â (3)	02/18/2019	Common Stock	5,841	\$ 1.51	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Trias Joaquim C/O ANTHERA PHARMACEUTICALS, INC. 25801 INDUSTRIAL BOULEVARD, SUITE B HAYWARD, CA 94545	Â	Â	Â SR VP, Preclinical Development	Â

Signatures

/s/ Mitzi Chang, by power of attorney for Joaquim Trias,
Ph.D. 02/23/2010

__Signature of Reporting Person

Date

Explanation of Responses:

- * 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).
- (1) The Series A-1 Convertible Preferred Stock is convertible on a one-for-one basis at any time at the holder's election and has no expiration date.
- (2) Not applicable.
- (3) 100% of the shares subject to this Stock Option are immediately exercisable. However, all unvested shares underlying this Stock Option are subject to a right of repurchase held by the Issuer, which will lapse according to the following vesting schedule: 50% of the total number of shares vest on June 3, 2009 and the remaining 50% vest in equal monthly installments. This Stock Option is completely vested on August 12, 2012.

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Remarks:

Exhibit List

Exhibit 24.1 - Power of Attorney

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.