

Anthera Pharmaceuticals Inc
Form 8-K
February 23, 2011

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

**FORM 8-K
CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934**

**Date of report (Date of earliest event reported): February 23, 2011
ANTHERA PHARMACEUTICALS, INC.
(Exact Name of Registrant as Specified in Charter)**

Delaware

001-34637

20-1852016

(State or Other Jurisdiction of
Incorporation)

(Commission File Number)

(I.R.S. Employer
Identification No.)

25801 Industrial Boulevard, Suite B, Hayward,
California

94545

(Address of Principal Executive Offices)

(Zip Code)

Registrant's telephone number, including area code (510) 856-5600

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 2.02 Results of Operations and Financial Condition.

On February 23, 2011, Anthera Pharmaceuticals, Inc. issued its fourth quarter 2010 press release. A copy of the press release is furnished herewith as Exhibit 99.1.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
99.1	Press Release, dated February 23, 2011

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Anthera Pharmaceuticals, Inc.

Date: February 23, 2011

By: /s/ Christopher P. Lowe
Christopher P. Lowe
Chief Financial Officer

Exhibit Index

Exhibit No.	Description
99.1	Press Release, dated February 23, 2011