



DIVISION OF  
CORPORATION FINANCE

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

December 1, 2017

J. Craig Thompson  
Chief Executive Officer  
Anthera Pharmaceuticals, Inc.  
25801 Industrial Boulevard, Suite B  
Hayward, California 94545

**Re: Anthera Pharmaceuticals, Inc.**  
**Preliminary Proxy Statement on Schedule 14A**  
**Filed November 20, 2017**  
**File No. 001-34637**

Dear Mr. Thompson:

We have completed our review of your filing. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence by the staff.

Division of Corporation Finance  
Office of Healthcare & Insurance

cc: Bradley A. Bugdanowitz