



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

DIVISION OF  
CORPORATION FINANCE

June 3, 2011

John B. Whelan  
Chief Executive Officer and Chief Financial Officer  
AP Pharma, Inc.  
123 Saginaw Drive  
Redwood City, California 94063

**Re: AP Pharma, Inc.  
Schedule 14A  
Filed May 17, 2011  
File No. 001-33221**

Dear Mr. Whelan:

We have completed our review of your filing. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filing and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

Jeffrey Riedler  
Assistant Director