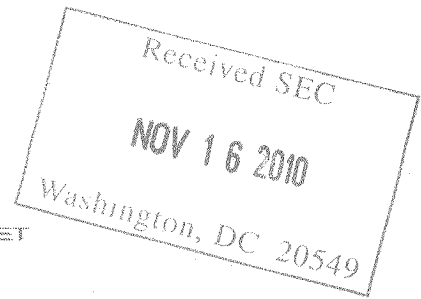




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**NASDAQ**

THE NASDAQ STOCK MARKET  
8800 BLACKWELL ROAD  
ROCKVILLE, MD 20850



William Slattery  
Vice President  
Listing Qualifications

CEFINAS  
001-34973

Electronic Mail Only

November 16, 2010

Ms. Cecile Peters  
Chief, IT Services  
Division of Corporation Finance  
U.S. Securities and Exchange Commission  
100 F Street, N.E.  
Washington, D.C. 20549

Dear Ms. Peters:

This is to certify that on November 16, 2010 The Nasdaq Stock Market (the "Exchange") received from Anacor Pharmaceuticals, Inc. (the "Registrant") a copy of the Registrant's application on Form 8-A 12(b) for the registration of the following security:

Common Stock, \$0.001 par value per share

We further certify that the security described above has been approved by the Exchange for listing and registration upon official notice of issuance.

We understand that the Registrant is seeking effectiveness of the Form 8-A 12(b) concurrently with effectiveness of its 1933 Act Registration Statement, and we hereby join in such request.

Sincerely,

*William Slattery*