



NDA 21-814 SN005  
NDA 22-292 N000

**NDA APPROVAL**

Boehringer Ingelheim Pharmaceuticals, Inc.  
Attention: Mr. Charles Mazzarella  
Associate Director, Drug Regulatory Affairs  
900 Ridgebury Rd  
P.O. Box 368  
Ridgefield, CT 06877-0368

Dear Mr. Mazzarella:

Please refer to your supplemental new drug applications dated December 20, 2007, received December 20, 2007, submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act for Aptivus® (tipranavir) 250mg capsules and oral solution, 100mg/mL. Reference is also made to approval letters dated June 22, 2005 and October 4, 2007.

NDA 21-814 SE1 SN005    NDA 21-822 N000    NDA 22-292 N000

We acknowledge receipt of your submissions dated:

March 5, 2008            March 18, 2008            April 7, 2008  
June 6, 2008

The December 20, 2007 submission constituted a complete response to our June 22, 2005 action letter for NDA 21-822.

These new drug applications provide for the use of APTIVUS (Tipranavir capsules or oral solution), co-administered with ritonavir, for combination antiretroviral treatment of HIV-1 infected pediatric (age 2 to 18 years) patients who are treatment-experienced and infected with HIV-1 strains resistant to more than one protease inhibitor.

We have completed our review of these applications, as amended. They are approved, effective on the date of this letter, for use as recommended in the enclosed agreed-upon labeling text.

**CONTENT OF LABELING**

As soon as possible, but no later than 14 days from the date of this letter, please submit the content of labeling [21 CFR 314.50(l)] in structured product labeling (SPL) format as described at <http://www.fda.gov/oc/datacouncil/spl.html> that is identical to the enclosed labeling (text for the package insert and text for the patient package insert). Upon receipt, we will transmit that version to the National Library of Medicine for public dissemination. For administrative purposes, please designate this submission, "SPL for approved NDA21-814 and 22-292."

### **CARTON AND IMMEDIATE CONTAINER LABELS**

We acknowledge your December 20, 2007 submission containing final printed carton and container labels.

### **PEDIATRIC RESEARCH EQUITY ACT (PREA)**

All applications for new active ingredients, new dosage forms, new indications, new routes of administration, and new dosing regimens are required to contain an assessment of the safety and effectiveness of the product in pediatric patients unless this requirement is waived or deferred. We note that you have fulfilled the pediatric study requirement for this application.

### **PROMOTIONAL MATERIALS**

The Division of Drug Marketing, Advertising, and Communications (DDMAC) has reviewed the revised product labeling and has determined that it contains significant new risk information relating to your drug product. We are hereby requesting that all promotional materials for your drug product that include representations about the oral solution formulation of your drug product include the new risk information immediately.

These materials should include prominent disclosure of the important new information described in the WARNINGS and PRECAUTIONS section that appear in the revised package labeling. Please submit a written response to this request on or before June 30, 2008, stating whether you intend to comply with this request by facsimile at (301) 796-9878 or by mail to:

Food and Drug Administration  
Center for Drug Evaluation and Research  
Division of Drug Marketing, Advertising, and Communications  
5901-B Ammendale Road  
Beltsville, MD 20705-1266

As required under 21 CFR 314.81(b)(3)(i), you must submit final promotional materials, and the package insert(s), at the time of initial dissemination or publication, accompanied by a Form FDA 2253. For instruction on completing the Form FDA 2253, see page 2 of the Form. For more information about submission of promotional materials to the Division of Drug Marketing, Advertising, and Communications (DDMAC), see [www.fda.gov/cder/ddmac](http://www.fda.gov/cder/ddmac).

### **LETTERS TO HEALTH CARE PROFESSIONALS**

If you issue a letter communicating important safety related information about this drug product (i.e., a "Dear Health Care Professional" letter), we request that you submit an electronic copy of the letter to both this NDA and to the following address:

MedWatch  
Food and Drug Administration  
Suite 12B05  
5600 Fishers Lane  
Rockville, MD 20857

If you have any questions, call Jaewon Hong, PharmD, Regulatory Project Manager, at (301) 796-2013.

Sincerely,

*{See appended electronic signature page}*

Debra Birnkrant, M.D.  
Director  
Division of Antiviral Products  
Office of Antimicrobial Products  
Center for Drug Evaluation and Research

Enclosure

-----  
**This is a representation of an electronic record that was signed electronically and  
this page is the manifestation of the electronic signature.**  
-----

/s/

-----  
Jeffrey Murray  
6/23/2008 05:00:29 PM