



NDA 021990/S-020; S-021

**SUPPLEMENT APPROVAL**

Novartis Pharmaceuticals Corporation  
Attention: Nancy Price  
Director, Drug Regulatory Affairs  
One Health Plaza  
East Hanover, NJ 07936-1080

Dear Ms. Price:

Please refer to your Supplemental New Drug Applications (sNDAs) dated and received August 28, 2013 (S-020), and December 5, 2013 (S-021) submitted under section 505(b)(1) of the Federal Food, Drug, and Cosmetic Act (FDCA) for Exforge (amlodipine/valsartan) 5/160 mg, 10/160 mg, 5/320 mg, and 10/320mg Tablets.

These supplemental new drug applications provide for labeling revised as follows (additions are marked as underlined text and deletions are marked as ~~striketrough text~~):

1. In **HIGHLIGHTS/RECENT MAJOR CHANGES**, the following text was deleted:
  1. 

<del>Boxed Warning: Fetal Toxicity</del>	<del>01/2012</del>
<del>Indications and Usage: Benefits of lowering blood pressure (1)</del>	<del>12/2011</del>
<del>Contraindications: Known hypersensitivity (4)</del>	<del>09/2012</del>
<del>Contraindications: Dual RAS Blockade in Diabetics (4)</del>	<del>11/2012</del>
<del>Warnings and Precautions: Fetal Toxicity (5.1)</del>	<del>01/2012</del>
<del>Drug Interactions: Dual Blockade of the Renin Angiotensin System (7)</del>	<del>11/2012</del>
2. In **HIGHLIGHTS/DRUG INTERACTIONS**, the following bullet was added:
  - Lithium: Increases in serum lithium concentrations and toxicity (7)
3. Under **ADVERS REACTIONS**, Post-Marketing Experience, the following text was added:

***Dermatologic:*** Alopecia, bullous dermatitis
4. Under **DRUG INTERACTIONS/Studies with Valsartan**, the following section was added:

*Lithium:* Increases in serum lithium concentrations and lithium toxicity have been reported during concomitant administration of lithium with angiotensin II receptor antagonists, including valsartan. Monitor serum lithium levels during concomitant use

The following change was made to the PPI:

5. Under **What should I tell my doctor before taking EXFORGE?**, the following bullet was added:
  - lithium, a medicine used in some types of depression
6. The revision date and version number were updated.

There are no other changes from the last approved package insert.

We have completed our review of these supplemental applications, and 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, submit the content of labeling [21 CFR 314.50(l)] in structured product labeling (SPL) format using the FDA automated drug registration and listing system (eLIST), as described at <http://www.fda.gov/ForIndustry/DataStandards/StructuredProductLabeling/default.htm>. Content of labeling must be identical to the enclosed labeling (text for the package insert), with the addition of any labeling changes in pending “Changes Being Effectuated” (CBE) supplements, as well as annual reportable changes not included in the enclosed labeling.

Information on submitting SPL files using eLIST may be found in the guidance for industry titled “SPL Standard for Content of Labeling Technical Qs and As” at <http://www.fda.gov/downloads/DrugsGuidanceComplianceRegulatoryInformation/Guidances/UCM072392.pdf>.

The SPL will be accessible from publicly available labeling repositories. Also within 14 days, amend all pending supplemental applications for this NDA, including CBE supplements for which FDA has not yet issued an action letter, with the content of labeling [21 CFR 314.50(l)(1)(i)] in MS Word format, that includes the changes approved in this supplemental application, as well as annual reportable changes and annotate each change. To facilitate review of your submission, provide a highlighted or marked-up copy that shows all changes, as well as a clean Microsoft Word version. The marked-up copy should provide appropriate annotations, including supplement number(s) and annual report date(s).

### **PROMOTIONAL MATERIALS**

You may request advisory comments on proposed introductory advertising and promotional labeling. To do so, submit the following, in triplicate, (1) a cover letter requesting advisory comments, (2) the proposed materials in draft or mock-up form with annotated references, and (3) the package insert(s) 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

You must submit final promotional materials and package insert(s), accompanied by a Form FDA 2253, at the time of initial dissemination or publication [21 CFR 314.81(b)(3)(i)]. Form FDA 2253 is available at <http://www.fda.gov/opacom/morechoices/fdaforms/cder.html>; instructions are provided on page 2 of the form. For more information about submission of promotional materials to the Division of Drug Marketing, Advertising, and Communications (DDMAC), see <http://www.fda.gov/AboutFDA/CentersOffices/CDER/ucm090142.htm>.

All promotional materials that include representations about your drug product must be promptly revised to be consistent with the labeling changes approved in this supplement, including any new safety information [21 CFR 314.70(a)(4)]. The revisions in your promotional materials should include prominent disclosure of the important new safety information that appears in the revised package labeling. Within 7 days of receipt of this letter, submit your statement of intent to comply with 21 CFR 314.70(a)(4) to the address above or by fax to 301-847-8444.

### **REPORTING REQUIREMENTS**

We remind you that you must comply with reporting requirements for an approved NDA (21 CFR 314.80 and 314.81).

If you have any questions, please call:

Lori Anne Wachter, RN, BSN  
Regulatory Project Manager for Safety  
(301) 796-3975

Sincerely,

*{See appended electronic signature page}*

Mary Ross Southworth, PharmD.  
Deputy Director for Safety  
Division of Cardiovascular and Renal Products  
Office of Drug Evaluation 1  
Center for Drug Evaluation and Research

ENCLOSURE:  
Content of Labeling

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**This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic signature.**  
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/s/  
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MARY R SOUTHWORTH  
03/17/2014