



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
Rockville, MD 20857

NDA 20-333/S-010

Shire Pharmaceutical Development Inc.
Attention: Catherine Symington
1801 Research Blvd., Suite 500
Rockville, MD 20850

Dear Ms. Symington:

Please refer to your supplemental new drug application dated June 17, 2004, received June 17, 2004, submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act for Agrylin[®] (anagrelide hydrochloride) Capsules.

We acknowledge receipt of your submission dated June 18, July 20 and December 17, 2004.

This supplemental new drug application provides for labeling revisions to the package insert (PI) based on four pharmacokinetic (PK) study reports: a study in patients with severe renal impairment (SPD422-103), a study in patients with moderate hepatic impairment (SPD422-104), a drug-drug interaction (DDI) study with aspirin (SPD422-107) and a food-effect study (SPD422-109).

We completed our review of this application, as amended. This application is approved, effective on the date of this letter, for use as recommended in the agreed-upon labeling text.

The final printed labeling (FPL) must be identical to the enclosed labeling (text for the package insert).

Please submit the FPL electronically according to the guidance for industry titled Providing Regulatory Submissions in Electronic Format – NDA. Alternatively, you may submit 20 paper copies of the FPL as soon as it is available, in no case more than 30 days after it is printed. Please individually mount 15 of the copies on heavy-weight paper or similar material. For administrative purposes, this submission should be designated "FPL for approved supplement NDA 20-333/S-010." Approval of this submission by FDA is not required before the labeling is used.

In addition, submit three copies of the introductory promotional materials that you propose to use for this product. Submit all proposed materials in draft or mock-up form, not final print. Send one copy to this division and two copies of both the promotional materials and the package insert directly to:

Division of Drug Marketing, Advertising, and Communications, HFD-42
Food and Drug Administration
5600 Fishers Lane
Rockville, MD 20857

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

MEDWATCH, HFD-410
FDA
5600 Fishers Lane
Rockville, MD 20857

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, call Ryan Barraco, Consumer Safety Officer, at 301-443-8017.

Sincerely,

{See appended electronic signature page}

Joyce Korvick, M.D., M.P.H
Acting Division Director
Division of Gastrointestinal & Coagulation Drug
Products
Office of Drug Evaluation III
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/

Joyce Korvick
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