

CENTER FOR DRUG EVALUATION AND RESEARCH

Approval Package for:

APPLICATION NUMBER:

20-786 /S009

Trade Name: Allegra D-Extended Release Tablets

Generic Name: Fexofenadine HCl/pseudoephedrine HCl

Sponsor: Aventis Pharmaceuticals

Approval Date: January 19, 2001

CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER:

20-786 /S009

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**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:

20-786 /S009

APPROVAL LETTER



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
Rockville MD 20857

NDA 20-786/S-009

Aventis Pharmaceuticals
10236 Marion Park Drive
PO Box 9627
Kansas City, MO 64134-0627

Attention: Carol Childers, PharmD
US Drug Regulatory Affairs - CMC

Dear Dr. Childers:

Please refer to your supplemental new drug application dated July 19, 2000, received July 20, 2000, submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act for Allegra-D (fexofenadine hydrochloride and pseudoephedrine hydrochloride) Extended Release Tablets.

We acknowledge receipt of your submission dated September 27, 2000. Your submission of September 27, 2000, constituted a complete response to our August 10, 2000, action letter.

This "Changes Being Effected in 30 days" supplemental new drug application provides for a change in the synthesis

We have completed the review of this supplemental application, and it is approved.

We remind you that you must comply with the requirements for an approved NDA set forth under 21 CFR 314.80 and 314.81.

If you have any questions, call Gretchen Trout, Project Manager, at (301) 827-1058.

Sincerely yours,

{See appended electronic signature page}

Guirag Poochikian, Ph.D.
Chemistry Team Leader
Division of Pulmonary and Allergy Drug Products
DNDC II, Office of New Drug Chemistry
Center for Drug Evaluation and Research

/s/

Craig Bertha
1/19/01 06:54:13 AM
for G. Poochikian

**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:
20-786 /S009

APPROVABLE LETTER

NDA 20-786/S-009

Aventis Pharmaceuticals
10236 Marion Park Drive
P.O. Box 9627
Kansas City, MO 64134--0627

Attention: Dhiren N. Shah, Ph.D.
Director-CMC, US Drug Regulatory Affairs

Dear Dr. Shah:

We acknowledge receipt of your supplemental new drug application dated July 19, 2000, received July 20, 2000, submitted under section 505(b) of the Federal Food, Drug, and Cosmetic Act for Allegra-D (fexofenadine HCl/pseudoephedrine HCl) Extended-release Tablets.

This "Changes Being Effected in 30 days" supplemental new drug application proposes a change in the synthesis ~~_____~~

We have completed our review and find the information presented is inadequate, and the supplemental application is not approvable under section 505(d) of the Act and 21 CFR 314.125(b). You may not put the proposed changes into effect until the following deficiencies have been addressed.

1. ~~_____~~
~~_____~~
2. ~~_____~~
~~_____~~
~~_____~~

Within 10 days after the date of this letter, you are required to amend the supplemental application, notify us of your intent to file an amendment, or follow one of your other options under 21 CFR 314.120. In the absence of any such action FDA may proceed to withdraw the application. Any amendment should respond to all the deficiencies listed. We will not process a partial reply as a major amendment nor will the review clock be reactivated until all deficiencies have been addressed.

NDA 20-786/S-009

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If you have any questions, call Mrs. Gretchen Trout, Project Manager, at (301) 827-1058.

Sincerely yours,

Guirag Poochikian, Ph.D.

Chemistry Team Leader

Division of Pulmonary and Allergy Drug Products, HFD-570

DNDC II, Office of New Drug Chemistry

Center for Drug Evaluation and Research

NDA 20-786/S-009

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cc:

Archival NDA 20-786

HFD-570/Div. Files

HFD-570/G.Trout

HFD-570/Rogers

HFD-570/Poochikian

HFD-820/DNDC Division Director

DISTRICT OFFICE

Drafted by: GST/August 1, 2000

Initialed by: S. Barnes 8/9/00

B. Rogers 8/9/00

G. Poochikian 8/9/00

final:S. Barnes 8/10/00

filename: n:\staff\troutg\20786na

NOT APPROVABLE (NA)

**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:

20-786 /S009

CHEMISTRY REVIEW(S)

CHEMIST'S REVIEW		1. ORGANIZATION HFD-570 DPADP	2. NDA NUMBER 20-786
3. NAME AND ADDRESS OF APPLICANT (City and State) Aventis Pharmaceuticals, Inc. 10236 Marion Park Drive PO Box 9627 Kansas City, MO 64134-0627		4. AF NUMBER	5. SUPPLEMENT(S) NUMBER DATE SCS-009 7/19/00 SCS-009 9/27/00* *Subject of this review
6. NAME OF DRUG Allegra-D™ Extended-release Tablets		7. NONPROPRIETARY NAME fexofenadine hydrochloride and pseudoephedrine hydrochloride extended-release tablets	
8. SUPPLEMENT PROVIDES FOR: Change in the synthesis of the in the synthesis of the drug substance		9. AMENDMENT(S), REPORT(S), ETC.	
10. PHARMACOLOGICAL CATEGORY Histamine H ₁ -receptor antagonist/decongestant for treatment of symptoms associated with seasonal allergic rhinitis		11. HOW DISPENSED RX <input checked="" type="checkbox"/> OTC <input type="checkbox"/>	12. RELATED IND/NDA/DMF
13. DOSAGE FORM(S) Extended-release Tablet		14. POTENCY 60 mg immediate-release fexofenadine HCl and 120 mg extended-release pseudoephedrine HCl	
15. CHEMICAL NAME AND STRUCTURE (±)-4-[1-Hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-butyl]-dimethylbenzeneacetic acid HCl and [S-(R*,R*)]-α-[1-(Methylamino)ethyl]-benzenemethanol HCl (for structures see USAN)		16. RECORDS AND REPORTS CURRENT YES_ NO_ REVIEWED YES_ NO_	
17. COMMENTS: See attached cc: Orig. NDA #20-786 HFD-570/div. File HFD-570/BRogers/1/8/00 HFD-570/GPoochikian HFD-570/GTrout R/D Init. by: _____ F/T by: B. Rogers/1/8/00 doc # 20786.A09.DOC			
18. CONCLUSIONS AND RECOMMENDATIONS: This supplement is APPROVED.			
19. REVIEWER NAME Brian D. Rogers, Ph.D.		20. SIGNATURE	21. DATE COMPLETED 1/8/00

1 Page(s) Withheld

 ✓ § 552(b)(4) Trade Secret /
Confidential

 § 552(b)(4) Draft Labeling

 § 552(b)(5) Deliberative Process

/s/

Brian Rogers
1/17/01 02:46:05 PM
CHEMIST

Craig Bertha
1/17/01 03:10:31 PM
CHEMIST

**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:

20-786 /S009

**ADMINISTRATIVE and CORRESPONDENCE
DOCUMENTS**

ORIGINAL

Aventis Pharmaceuticals
July 19, 2000

NDA NO. 20786 REF NO. 5009
NDA SUPPL FOR 3CS



Division of Pulmonary Drug Products (HFD-570)
Center for Drug Evaluation and Research
Food and Drug Administration
Document Control Room 10B-03
5600 Fishers Lane
Rockville, MD 20857



Attention: Ms. Gretchen Trout, Supervisory Regulatory Health Project Manager

Subject: NDA 20-786
Allegra-D® Tablets
(fexofenadine HCl/
pseudoephedrine HCl
extended release tablets)

Special Supplement
Changes Being Effected-30
Chemistry, Manufacturing, and Controls
Drug Substance
Synthesis Change

Dear Ms. Trout:

In accordance with the Guidance for Industry, Changes to an Approved NDA or ANDA, dated November 1999, section VII.C.1.b., Aventis Pharmaceuticals Inc. (Aventis) is submitting, in duplicate, a Changes Being Effected in 30 Days (CBE-30) supplement for the above referenced NDA.

The supplement provides for a change in the synthesis of _____ is the current approved supplier in the NDA for _____

The following information is provided in support of the supplement:

- _____
- _____

- A letter from _____ which states that the FDA has determined that a CBE-30 supplement is the type of notification required for of the synthesis _____ (See Appendix III)

NDA 20-786, Allegra-D Tablets
Special Supplement (continued)
Page 2

In support of this change, Aventis commits to place the ~~_____~~ of Allegra-D tablets manufactured using ~~_____~~ on long-term stability using the NDA approved stability protocol and submit the stability data to the Agency in subsequent Annual Reports.

Pursuant to 21 CFR §314.71(b), we are providing a copy of this supplement to the Kansas City FDA District Office.

We appreciate your review of this supplement. Should you have any comments or questions on this supplement, please contact the undersigned at (816) 966-7914.

Sincerely,
Aventis Pharmaceuticals Inc.



Dhiren N. Shah, Ph.D.
Director – CMC, US Drug Regulatory Affairs

Attachments

cc: Kansas City FDA District Office – 11630 W. 80th St., Lenexa, KS 66214

Aventis Pharmaceuticals Inc.
Kansas City, Missouri 64137

NDA 20-786
ALLEGRA-D® Tablets
(fexofenadine hydrochloride and pseudoephedrine hydrochloride)

Chemistry, Manufacturing, and Controls

Appendix I

USER FEE COVER SHEET

See Instructions on Reverse Side Before Completing This Form

1. APPLICANT'S NAME AND ADDRESS

Aventis Pharmaceuticals Inc.
PO Box 9627, H4-M2316
Kansas City, MO 64134-0627

3. PRODUCT NAME

Allegra-D

4. DOES THIS APPLICATION REQUIRE CLINICAL DATA FOR APPROVAL? **No**
IF YOUR RESPONSE IS "NO" AND THIS IS FOR A SUPPLEMENT, STOP HERE
AND SIGN THIS FORM.

IF RESPONSE IS "YES", CHECK THE APPROPRIATE RESPONSE BELOW:

THE REQUIRED CLINICAL DATA ARE CONTAINED IN THE APPLICATION.

THE REQUIRED CLINICAL DATA ARE SUBMITTED BY
REFERENCE TO _____

(APPLICATION NO. CONTAINING THE DATA).

2. TELEPHONE NUMBER (Include Area Code)

(816) 966-5000

5. USER FEE I.D. NUMBER

6. LICENSE NUMBER / NDA NUMBER

7. IS THIS APPLICATION COVERED BY ANY OF THE FOLLOWING USER FEE EXCLUSIONS? IF SO, CHECK THE APPLICABLE EXCLUSION.

A LARGE VOLUME PARENTERAL DRUG PRODUCT
APPROVED UNDER SECTION 505 OF THE FEDERAL
FOOD, DRUG, AND COSMETIC ACT BEFORE 9/1/92
(Self Explanatory)

A 505(b)(2) APPLICATION THAT DOES NOT REQUIRE A FEE
(See item 7, reverse side before checking box.)

THE APPLICATION QUALIFIES FOR THE ORPHAN
EXCEPTION UNDER SECTION 736(a)(1)(E) of the Federal Food,
Drug, and Cosmetic Act
(See item 7, reverse side before checking box.)

THE APPLICATION IS A PEDIATRIC SUPPLEMENT THAT
QUALIFIES FOR THE EXCEPTION UNDER SECTION 736(a)(1)(F) of
the Federal Food, Drug, and Cosmetic Act
(See item 7, reverse side before checking box.)

THE APPLICATION IS SUBMITTED BY A STATE OR FEDERAL
GOVERNMENT ENTITY FOR A DRUG THAT IS NOT DISTRIBUTED
COMMERCIALY
(Self Explanatory)

FOR BIOLOGICAL PRODUCTS ONLY

WHOLE BLOOD OR BLOOD COMPONENT FOR
TRANSFUSION

A CRUDE ALLERGENIC EXTRACT PRODUCT

AN APPLICATION FOR A BIOLOGICAL PRODUCT
FOR FURTHER MANUFACTURING USE ONLY

AN "IN VITRO" DIAGNOSTIC BIOLOGICAL PRODUCT
LICENSED UNDER SECTION 351 OF THE PHS ACT

BOVINE BLOOD PRODUCT FOR TOPICAL
APPLICATION LICENSED BEFORE 9/1/92

8. HAS A WAIVER OF AN APPLICATION FEE BEEN GRANTED FOR THIS APPLICATION?

YES NO

(See reverse side if answered YES)

A completed form must be signed and accompany each new drug or biologic product application and each new supplement. If payment is sent by U.S. mail or courier, please include a copy of this completed form with payment.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:

DHHS, Reports Clearance Officer
Paperwork Reduction Project (0910-0297)
Hubert H. Humphrey Building, Room 531-H
200 Independence Avenue, S.W.
Washington, DC 20201

An agency may not conduct or sponsor, and a person is not
required to respond to, a collection of information unless it
displays a currently valid OMB control number.

Please **DO NOT RETURN** this form to this address.

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE

TITLE

Vice President
US Drug Regulatory Affairs

DATE

July 19, 2000