CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER:

207589Orig1s000

OTHER REVIEW(S)

PMR/PMC Development Template

This template should be completed by the PMR/PMC Development Coordinator and included for <u>each</u> PMR/PMC in the Action Package.

NDA/BLA # Product Name:	NDA 207589, Enstilar (calcipotriene and betamethasone diprop 0.005%/0.064% For the topical treatment of plaque psoriasis in a older	
PMR/PMC Description:	PMR: An open-label trial to assess the effect on calcium metabolism of Enstilar Foam in 100 evaluable pediatric subjects aged 12 years to 16 years and 11 months with plaque psoriasis of the scalp and body. Pharmacokinetics (PK) of Enstilar foam and assessment of hypothalamic-pituitary axis (HPA) suppression will be conducted in a sub-set of 30 subjects with at least moderate plaque psoriasis under maximal use conditions.	
PMR/PMC Schedule Mile	stones: Final Protocol Submission: Study/Trial Completion: Final Report Submission:	03/27/2015 03/2017 06/2018

- 1. During application review, explain why this issue is appropriate for a PMR/PMC instead of a pre-approval requirement. Check type below and describe.
 - Unmet need
 Life-threatening condition
 Long-term data needed
 Only feasible to conduct post-approval
 Prior clinical experience indicates safety
 Small subpopulation affected
 Theoretical concern
 - 🛛 Other
- 2. Describe the particular review issue and the goal of the study/clinical trial. If the study/clinical trial is a FDAAA PMR, describe the risk. If the FDAAA PMR is created post-approval, describe the "new safety information."

The trial to evaluate systemic BA of calcipotriene, betamethasone dipropionate and their metabolites and assess the risk of HPA axis suppression and effect on calcium metabolism in adults was completed with the original NDA submission.

This trial will evaluate the systemic bioavailability (BA) of calcipotriene, betamethasone dipropionate and their metabolites and assess the risk of HPA axis suppression and effect on calcium metabolism in pediatric subjects 12 - 16 years and 11 months of age with psoriasis.

The trial in pediatric subjects is recommended to be conducted post approval because the original NDA is ready to be approved in adults.

3. If the study/clinical trial is a **PMR**, check the applicable regulation. *If not a PMR, skip to 4*.

- Which regulation?

- Accelerated Approval (subpart H/E)
- Animal Efficacy Rule
- Pediatric Research Equity Act
- FDAAA required safety study/clinical trial

- If the PMR is a FDAAA safety study/clinical trial, does it: (check all that apply)

- Assess a known serious risk related to the use of the drug?
- Assess signals of serious risk related to the use of the drug?
- Identify an unexpected serious risk when available data indicate the potential for a serious risk?

- If the PMR is a FDAAA safety study/clinical trial, will it be conducted as:

Analysis of spontaneous postmarketing adverse events?
 Do not select the above study/clinical trial type if: such an analysis will not be sufficient to assess or identify a serious risk

Analysis using pharmacovigilance system?

Do not select the above study/clinical trial type if: the new pharmacovigilance system that the FDA is required to establish under section 505(k)(3) has not yet been established and is thus not sufficient to assess this known serious risk, or has been established but is nevertheless not sufficient to assess or identify a serious risk

Study: all other investigations, such as investigations in humans that are not clinical trials as defined below (e.g., observational epidemiologic studies), animal studies, and laboratory experiments? **Do not select the above study type if:** a study will not be sufficient to identify or assess a serious risk

<u>Clinical trial</u>: any prospective investigation in which the sponsor or investigator determines the method of assigning investigational product or other interventions to one or more human subjects?

4. What type of study or clinical trial is required or agreed upon (describe and check type below)? If the study or trial will be performed in a subpopulation, list here.

The applicant has an agreed initial pediatric study plan (iPSP) with the agency and the agreement was reached on December 03, 2013. The agreed trial is going to be an open-label trial to assess PK, HPA axis suppression and calcium metabolism in subjects aged 12 to 16 years and 11 months with psoriasis. The applicant has proposed to enroll 100 subjects to evaluate the effect on calcium metabolism. In 30 out of the 100 subjects, the applicant will assess PK and HPA axis suppression, in addition to assessment of effect on calcium metabolism. This cohort of 30 subjects will be under maximal use conditions.

Required

- Observational pharmacoepidemiologic study
- Registry studies
- Primary safety study or clinical trial
- Pharmacogenetic or pharmacogenomic study or clinical trial if required to further assess safety
- Thorough Q-T clinical trial
- Nonclinical (animal) safety study (e.g., carcinogenicity, reproductive toxicology)
- Nonclinical study (laboratory resistance, receptor affinity, quality study related to safety)

	 Pharmacokinetic studies or clinical trials Drug interaction or bioavailability studies or clinical trials Dosing trials Continuation of Question 4
	Additional data or analysis required for a previously submitted or expected study/clinical trial (provide explanation)
	 Meta-analysis or pooled analysis of previous studies/clinical trials Immunogenicity as a marker of safety Other (provide explanation)
	Agreed upon:
	 Quality study without a safety endpoint (e.g., manufacturing, stability) Pharmacoepidemiologic study not related to safe drug use (e.g., natural history of disease, background rates of adverse events) Clinical trials primarily designed to further define efficacy (e.g., in another condition, different disease severity, or subgroup) that are NOT required under Subpart H/E
	Dose-response study or clinical trial performed for effectiveness Nonclinical study, not safety-related (specify)
	Other
5.	Is the PMR/PMC clear, feasible, and appropriate?
	Does the study/clinical trial meet criteria for PMRs or PMCs?Are the objectives clear from the description of the PMR/PMC?
	 Are the objectives clear from the description of the PMR/PMC? Has the applicant adequately justified the choice of schedule milestone dates? Has the applicant had sufficient time to review the PMRs/PMCs, ask questions, determine feasibility, and contribute to the development process?
	Check if this form describes a FDAAA PMR that is a randomized controlled clinical trial
	If so, does the clinical trial meet the following criteria?
	 There is a significant question about the public health risks of an approved drug There is not enough existing information to assess these risks Information cannot be gained through a different kind of investigation The trial will be appropriately designed to answer question about a drug's efficacy and safety, and The trial will emphasize risk minimization for participants as the protocol is developed
PN	IR/PMC Development Coordinator:

This PMR/PMC has been reviewed for clarity and consistency, and is necessary to further refine the safety, efficacy, or optimal use of a drug, or to ensure consistency and reliability of drug quality.

(signature line for BLAs)

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

DAWN WILLIAMS 10/06/2015

/s/

TATIANA OUSSOVA 10/06/2015

PMR/PMC Development Template

This template should be completed by the PMR/PMC Development Coordinator and included for <u>each</u> PMR/PMC in the Action Package.

NDA/BLA # Product Name:	NDA 207589, Enstilar (calcipotriene and betamethasone diprop 0.005%/0.064% For the topical treatment of plaque psoriasis in a older	
PMR/PMC Description:	PMC: Conduct a single point vasoconstriction assay (VCA) with adequate bracketing using visual assessment to determine the topical corticosteroid potency classification for Enstilar foam.	
PMR/PMC Schedule Mile	estones: Final Protocol Submission: Study/Trial Completion: Final Report Submission:	03/2016 01/2017 09/2017
1 During application ma	view explain why this issue is appropriate for a D	MD/DMC instead of a new approve

- 1. During application review, explain why this issue is appropriate for a PMR/PMC instead of a pre-approval requirement. Check type below and describe.
 - Unmet need
 Life-threatening condition
 Long-term data needed
 Only feasible to conduct post-approval
 Prior clinical experience indicates safety
 Small subpopulation affected
 Theoretical concern
 Other

With the original NDA submission, the applicant conducted a study to assess potency classification but it was determined to be inadequate. This information is not required for approval. However, the information on potency classification of topical corticosteroids is useful in helping the prescriber narrow down their treatment choice from the realm of topical corticosteroids and is recommended to be evaluated post approval.

2. Describe the particular review issue and the goal of the study/clinical trial. If the study/clinical trial is a FDAAA PMR, describe the risk. If the FDAAA PMR is created post-approval, describe the "new safety information."

Topical corticosteroid potency classification is a useful parameter to the physician but was not adequately characterized in the NDA. The goal of the study is to determine the potency classification for Enstilar foam using standard single point vasoconstriction assay (VCA).

3. If the study/clinical trial is a **PMR**, check the applicable regulation. *If not a PMR, skip to 4*.

- Which regulation?

- Accelerated Approval (subpart H/E)
- Animal Efficacy Rule
- Pediatric Research Equity Act
- FDAAA required safety study/clinical trial

- If the PMR is a FDAAA safety study/clinical trial, does it: (check all that apply)

- Assess a known serious risk related to the use of the drug?
- Assess signals of serious risk related to the use of the drug?
- Identify an unexpected serious risk when available data indicate the potential for a serious risk?

- If the PMR is a FDAAA safety study/clinical trial, will it be conducted as:

Analysis of spontaneous postmarketing adverse events?

Do not select the above study/clinical trial type if: such an analysis will not be sufficient to assess or identify a serious risk

Analysis using pharmacovigilance system?

Do not select the above study/clinical trial type if: the new pharmacovigilance system that the FDA is required to establish under section 505(k)(3) has not yet been established and is thus not sufficient to assess this known serious risk, or has been established but is nevertheless not sufficient to assess or identify a serious risk

<u>Study</u>: all other investigations, such as investigations in humans that are not clinical trials as defined below (e.g., observational epidemiologic studies), animal studies, and laboratory experiments?
 Do not select the above study type if: a study will not be sufficient to identify or assess a serious risk

<u>Clinical trial</u>: any prospective investigation in which the sponsor or investigator determines the method of assigning investigational product or other interventions to one or more human subjects?

4. What type of study or clinical trial is required or agreed upon (describe and check type below)? If the study or trial will be performed in a subpopulation, list here.

An open label single point VCA trial with adequate bracketing using visual assessment to determine the potency classification of Enstilar foam in healthy subjects.

Rea	mired
1104	uncu

	Required
	Observational pharmacoepidemiologic study
	Registry studies
	Primary safety study or clinical trial
	Pharmacogenetic or pharmacogenomic study or clinical trial if required to further assess safety
	Thorough Q-T clinical trial
	Nonclinical (animal) safety study (e.g., carcinogenicity, reproductive toxicology)
	Nonclinical study (laboratory resistance, receptor affinity, quality study related to safety)
	Pharmacokinetic studies or clinical trials
	Drug interaction or bioavailability studies or clinical trials
	Dosing trials Continuation of Question 4
	Communities of Question 4
	Additional data or analysis required for a previously submitted or expected study/clinical trial (provide explanation)
	Meta-analysis or pooled analysis of previous studies/clinical trials
	Immunogenicity as a marker of safety
	Other (provide explanation)
	Agreed upon:
	Quality study without a safety endpoint (e.g., manufacturing, stability)
	Pharmacoepidemiologic study not related to safe drug use (e.g., natural history of disease, background
	rates of adverse events)
	Clinical trials primarily designed to further define efficacy (e.g., in another condition, different disease
	severity, or subgroup) that are NOT required under Subpart H/E
	Dose-response study or clinical trial performed for effectiveness
	Nonclinical study, not safety-related (specify)
	⊠ Other
	Single point vasoconstriction assay study
5.	Is the PMR/PMC clear, feasible, and appropriate?
	Does the study/clinical trial meet criteria for PMRs or PMCs?
	\boxtimes Are the objectives clear from the description of the PMR/PMC?
	\boxtimes Has the applicant adequately justified the choice of schedule milestone dates?
	\boxtimes Has the applicant had sufficient time to review the PMRs/PMCs, ask questions, determine feasibility,
	and contribute to the development process?
	r r r r r
	Check if this form describes a FDAAA PMR that is a randomized controlled clinical trial

If so, does the clinical trial meet the following criteria?

- There is a significant question about the public health risks of an approved drug
- There is not enough existing information to assess these risks
- Information cannot be gained through a different kind of investigation
- The trial will be appropriately designed to answer question about a drug's efficacy and safety, and
- The trial will emphasize risk minimization for participants as the protocol is developed

PMR/PMC Development Coordinator:

This PMR/PMC has been reviewed for clarity and consistency, and is necessary to further refine the safety, efficacy, or optimal use of a drug, or to ensure consistency and reliability of drug quality.

(signature line for BLAs)

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

/s/

DAWN WILLIAMS 10/06/2015

TATIANA OUSSOVA 10/06/2015

MEMORANDUM

DEPARTMENT OF HEALTH AND HUMAN SERVICES PUBLIC HEALTH SERVICE FOOD AND DRUG ADMINISTRATION CENTER FOR DRUG EVALUATION AND RESEARCH

CLINICAL INSPECTION SUMMARY DATE: August 25, 2015 ΤO· Dawn Williams, B.S.N, Regulatory Project Manager Patricia Brown, M.D., Medical Officer Gordana Diglisic, M.D., Medical Team Leader Division of Dermatologic and Dental Products FROM: Roy Blay, Ph.D. Good Clinical Practice Assessment Branch Division of Clinical Compliance Evaluation Office of Scientific Investigations THROUGH: Janice Pohlman, M.D., M.P.H., Team Leader and for: Kassa Ayalew, M.D., M.P.H. **Branch Chief** Good Clinical Practice Assessment Branch Division of Clinical Compliance Evaluation Office of Scientific Investigations SUBJECT: **Evaluation of Clinical Inspections** 207589 NDA: **APPLICANT:** LEO Pharma, Inc. Calcipotriene and betamethasone dipropionate 0.005%/0.064% [LEO DRUG: 90100] (Enstilar Foam) NME[.] No THERAPEUTIC CLASSIFICATION: Standard Review (b) (4) INDICATION: Treatment of adults with psoriasis 5

CONSULTATION REQUEST DATE:	January 28, 2015
CLINICAL INSPECTION SUMMARY DATE:	August 30, 2015
DIVISION ACTION GOAL DATE:	October 2, 2015
PDUFA DATE:	October 18, 2015

Page 2- NDA 207589 Enstilar – Clinical Inspection Summary

I. BACKGROUND:

The Applicant submitted this NDA to support the use of Enstilar for the treatment of plaque psoriasis in adult patients.

The pivotal study LP0053-1001 is entitled, "LEO 90100 compared to vehicle in subjects with psoriasis vulgaris A phase 3 trial comparing once daily treatment with LEO 90100 calcipotriol 50 mcg/g plus betamethasone 0.5 mg/g (as dipropionate) with vehicle in subjects with psoriasis vulgaris", was inspected in support of this application.

Dr. Lee's site was chosen for inspection because the applicant stated that an efficacy measure (mPASI) was not conducted per protocol.

Dr. Tyring's site was selected because there were numerous protocol deviations involving treatment with Enstilar. Also, the response rate to Enstilar was, on average, the lowest of all the clinical sites.

II. RESULTS (by Site):

Name of CI, Location	Protocol #/ Site #/ # of Subjects (enrolled)	Inspection Dates	Final Classification
Jane Lee, M.D. 18 Bridge Street, Bridge Pointe Building B Metuchen, NJ 08840	LP0053-1001/ US15/ 26	8 May-1 Jun 2015	VAI
Stephen Tyring, M.D. 20320 Northwest Freeway, Suite 700 Houston, TX 77065	LP0053-1001/ US26/ 20	22 Apr- 1May 2015	VAI

Key to Classifications

NAI = No deviation from regulations.

VAI = Deviation(s) from regulations.

OAI = Significant deviations from regulations. Data unreliable.

Pending = Preliminary classification based on information in Form FDA 483 or preliminary communication with the field; EIR has not been received from the field or complete review of EIR is pending.

1. Jane Lee, M.D.

18 Bridge Street, Bridge Pointe Building B Metuchen, NJ 08840

a. What was inspected: At this site for Protocol LP0053-1001, 29 subjects were screened, 26 subjects were enrolled, and 25 subjects completed the study. All 29 subjects signed consent forms prior to screening procedures. The records of all 29 subjects were reviewed, which included, but were not limited to, organization and personnel, training and job qualifications, protocols, source documents, electronic Case Report Forms (eCRFs), financial disclosure, adverse event reporting, data collection and handling, and investigational product accountability. Source documents were compared with line listings with respect to subject discontinuations, protocol deviations, inclusion/exclusion criteria, adverse events, primary and secondary efficacy endpoints, concomitant medications, and laboratory measurements.

Page 3- NDA 207589 Enstilar – Clinical Inspection Summary

- b. General observations/commentary: A Form FDA 483 was issued at the conclusion of the inspection noting that the investigation was not conducted in accordance with the investigational plan because the clinical investigator did not properly assess the extent of psoriatic involvement of the arms, trunk, and legs as specified in the Investigator's Assessment of Extent and Severity of Clinical Signs (protocol Section 10.7.3 Clinical Assessment). The clinical investigator performed these assessments incorrectly for 25 of the 26 subjects enrolled in the study. These assessments were to be then used to calculate the modified -Psoriasis Area Severity Index (m-PASI), a secondary efficacy endpoint. Subsequent collaboration between the clinical investigator, the contract research organization, and the sponsor demonstrated that the investigator's process for assessing the area of psoriatic involvement for this specific scoring system could not be recreated. Dr. Lee, in her June 3, 2015, written response to the inspection findings, agreed with the observations of the field investigator as described in the Form FDA 483. She also stated that she would no longer participate in FDA-regulated clinical trials. The sponsor's Clinical Study Report (CSR) for Protocol LP0053-1001 on Pages 78-79 noted that it was the sponsor's decision to perform and report the outcome of sensitivity analyses excluding US15 [Dr. Lee's site] for all PASI endpoints as described elsewhere in the CSR.
- c. Assessment of data integrity: The clinical investigator did not adhere to the protocol when assessing the extent of psoriatic involvement for use in calculation of m-PASI scores in the study subjects which resulted in uncertainty regarding reliability of m-PASI scores at the site. The review division should consider excluding this site's m-PASI study data from the efficacy analysis.

Notwithstanding an isolated failure to obtain a safety laboratory assessment for a single subject (i.e., a baseline serum sample for calcium, albumin, and 25-OH Vitamin D, used in monitoring calcium during the study), the clinical investigator's assessment of safety appeared to be otherwise adequate and safety data as reported appears to be reliable.

- Stephen Tyring, M.D. 20320 Northwest Freeway, Suite 700 Houston, TX 77065
 - **a.** What was inspected: At this site for Protocol LP0053-1001, 20 subjects were screened and enrolled, and 18 subjects completed the study. All 20 subjects signed consent forms prior to screening procedures. The records of 16 subjects were reviewed, which included, but were not limited to, financial disclosure forms, IRB and monitoring correspondence, subject screening logs, protocol deviations, adverse events, primary endpoint, and test article accountability.
 - **b.** General observations/commentary: A Form FDA 483 was issued at the conclusion of the inspection with observations of inadequate records and protocol deviations, including the following:

Inadequate records:

• Subject 005 was noted as having returned the Visit 3-4 diary and that the diary was reviewed and that all study procedures were completed; however, this diary was not present in the subject's records.

• Subject 015 underwent a 28 day washout for taking a medication that was not identified in the subject's records.

Protocol deviations:

•Subject 010 had Visit 4 nine days out-of-window. This protocol deviation was not reported.

OSI Comment: In Section 7.3 Trial Analysis Sets of the Clinical Study Report, the sponsor defined full, per protocol, and safety analysis populations for purpose of analyses. The per protocol population was derived from the full analysis set and excluded subjects with specific protocol violations; one criterion was violating the Visit 4 (Day 28) extended visit window of +/- 5 days. Although source data at the site documented that Subject 010 violated this criterion, this subject was not included on the protocol deviation listing (or in the protocol violations dataset) submitted with the NDA. This subject was however appropriately excluded from the sponsor's per protocol population analysis. It is unclear whether the sponsor derived a Visit 4 window violation based on use of actual Visit Dates.

c. Assessment of data integrity: Other than the isolated observations noted above, the study appears to have been conducted adequately, and the data generated by this site appear acceptable in support of the respective indication.

III.OVERALL ASSESSMENT OF FINDINGS AND RECOMMENDATIONS

The clinical sites of Drs. Lee and Tyring were inspected in support of this NDA. Both Drs. Lee and Tyring were issued Form FDA 483s.

The final classification of Dr. Lee's inspection was Voluntary Action Indicated (VAI). Because of Dr. Lee's failure to properly conduct assessments of psoriatic area involvement according to protocol specifications for use in calculation of subjects' m-PASI scores, the review division should consider excluding this site's m-PASI study data from the efficacy analysis. Notwithstanding an isolated failure to obtain a safety laboratory assessment for a single subject, the clinical investigator's assessment of safety appeared to be otherwise adequate and safety data as reported appears to be reliable.

The final classification of Dr. Tyring's inspection was Voluntary Action Indicated (VAI) resulting from two instances of inadequate records and one protocol deviation. Other than these isolated observations, the study appears to have been conducted adequately, and the data generated by this site appear acceptable in support of the respective indication.

{See appended electronic signature page}

Roy Blay, Ph.D. Good Clinical Practice Assessment Branch Division of Clinical Compliance Evaluation Office of Scientific Investigations

CONCURRENCE:

{See appended electronic signature page}

Janice Pohlman, M.D., M.P.H. Team Leader Good Clinical Practice Assessment Branch Division of Clinical Compliance Evaluation Office of Scientific Investigations

{See appended electronic signature page}

Janice Pohlman, M.D., M.P.H., for Kassa Ayalew, M.D., M.P.H. Branch Chief Good Clinical Practice Assessment Branch Division of Clinical Compliance Evaluation Office of Scientific Investigation

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

/s/

ROY A BLAY 08/27/2015

JANICE K POHLMAN 08/28/2015 Signing for myself and for Kassa Ayalew, Branch Chief FOOD AND DRUG ADMINISTRATION Center for Drug Evaluation and Research Office of Prescription Drug Promotion

****Pre-decisional Agency Information****

Memorandum

Date:	August 26, 2015
то:	Dawn Williams Regulatory Project Manager Division of Dermatology and Dental Products (DDDP)
From:	Tara Turner, Pharm.D., MPH Regulatory Review Officer Office of Prescription Drug Promotion (OPDP)
CC:	Melinda McLawhorn, Pharm.D., BCPS, RAC, Acting Team Leader, OPDP
Subject:	NDA 207589 Enstitus [®] (calcinotrions and betamethasons dipropionate) Ecom

Enstilar[®] (calcipotriene and betamethasone dipropionate) Foam, 0.005%/0.064% for topical use

On March 25, 2015, DDDP consulted OPDP to review the draft Package Insert (PI), Patient Package Insert (PPI), Instructions for Use (IFU), and carton and container labeling for Enstilar[®] (calcipotriene and betamethasone dipropionate) Foam, 0.005%/0.064%, for topical use (Enstilar) for the original NDA submission received on December 18, 2014.

OPDP reviewed the proposed substantially complete version of the PI provided by DDDP via email on August 12, 2015. OPDP also reviewed the proposed carton and container labeling submitted to the electronic document room on April 28, 2015. The Division of Medical Policy Programs (DMPP) and OPDP provided comments on the PPI and IFU for Enstilar under separate cover. OPDP's comments on the PI and carton and container labeling are provided below.

Thank you for your consult. If you have any questions about OPDP's comments, please contact Tara Turner at 6-2166 or at <u>Tara.Turner@fda.hhs.gov</u>.

14 Page(s) of Draft Labeling have been Withheld in Full as b4 (CCI/TS) immediately following this page

Page 1 of 9

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

/s/

TARA P TURNER 08/26/2015

Department of Health and Human Services Public Health Service Food and Drug Administration Center for Drug Evaluation and Research Office of Medical Policy

PATIENT LABELING REVIEW

Date:	August 20, 2015
To:	Kendal Marcus, MD Director Division of Dermatology and Dental Products (DDDP)
Through:	LaShawn Griffiths, MSHS-PH, BSN, RN Associate Director for Patient Labeling Division of Medical Policy Programs (DMPP)
	Barbara Fuller, RN, MSN, CWOCN Team Leader, Patient Labeling Division of Medical Policy Programs (DMPP)
From:	Nathan Caulk, MS, BSN, RN Patient Labeling Reviewer Division of Medical Policy Programs (DMPP)
	Tara Turner, Pharm.D., MPH Regulatory Review Officer Office of Prescription Drug Promotion (OPDP)
Subject:	Review of Patient Labeling: Patient Package Insert (PPI) and Instructions for Use (IFU)
Drug Name (established name):	ENSTILAR (calcipotriene and betamethasone dipropionate)
Dosage Form and Route:	Foam, 0.005%/0.064% for topical use
Application Type/Number:	NDA 207589
Applicant:	LEO Pharma Inc.

1 INTRODUCTION

On December 18, 2014, LEO Pharma Inc. submitted for the Agency's review an original New Drug Application (NDA) 207589 for ENSTILAR (calcipotriene and betamethasone dipropionate) Foam. This application was submitted to obtain approval for the proposed indication for the topical treatment of plaque psoriasis in adults 18 years of age and older.

This collaborative review is written by the Division of Medical Policy Programs (DMPP) and the Office of Prescription Drug Promotion (OPDP) in response to a request by the Division of Dermatology and Dental Products (DDDP) on March 25, 2015, for DMPP and OPDP to review the Applicant's proposed Patient Package Insert (PPI) and Instructions for Use (IFU) for ENSTILAR (calcipotriene and betamethasone dipropionate) Foam.

DMPP conferred with the Division of Medication Error, Prevention, and Analysis (DMEPA) and a separate DMEPA review was completed on August 7, 2015.

2 MATERIAL REVIEWED

- Draft ENSTILAR (calcipotriene and betamethasone dipropionate) Foam PPI and IFU received on December 18, 2014, revised by the Review Division throughout the review cycle, and received by DMPP and OPDP on August 12, 2015.
- Draft ENSTILAR (calcipotriene and betamethasone dipropionate) Foam Prescribing Information (PI) received on December 18, 2014, revised by the Review Division throughout the review cycle, and received by DMPP and OPDP on August 12, 2015.
- Approved TACLONEX (calcipotriene and betamethasone dipropionate) Topical Suspension comparator labeling dated August 29, 2014.

3 REVIEW METHODS

To enhance patient comprehension, materials should be written at a 6^{th} to 8^{th} grade reading level, and have a reading ease score of at least 60%. A reading ease score of 60% corresponds to an 8^{th} grade reading level. In our review of the PPI and IFU the target reading level is at or below an 8^{th} grade level.

Additionally, in 2008 the American Society of Consultant Pharmacists Foundation (ASCP) in collaboration with the American Foundation for the Blind (AFB) published *Guidelines for Prescription Labeling and Consumer Medication Information for People with Vision Loss*. The ASCP and AFB recommended using fonts such as Verdana, Arial or APHont to make medical information more accessible for patients with vision loss. We have reformatted the PPI document using the Arial font, size 10.

In our collaborative review of the PPI and IFU we have:

• simplified wording and clarified concepts where possible

- ensured that the PPI and IFU are consistent with the Prescribing Information (PI)
- removed unnecessary or redundant information
- ensured that the PPI and IFU are free of promotional language or suggested revisions to ensure that it is free of promotional language
- ensured that the PPI and IFU meet the criteria as specified in FDA's Guidance for Useful Written Consumer Medication Information (published July 2006)
- ensured that the PPI and IFU are consistent with the approved comparator labeling where applicable.

4 CONCLUSIONS

The PPI and IFU are acceptable with our recommended changes.

5 RECOMMENDATIONS

- Please send these comments to the Applicant and copy DMPP and OPDP on the correspondence.
- Our collaborative review of the PPI and IFU are appended to this memorandum. Consult DMPP and OPDP regarding any additional revisions made to the PI to determine if corresponding revisions need to be made to the PPI and IFU.

Please let us know if you have any questions.

10 Page(s) of Draft Labeling have been Withheld in Full as b4 (CCI/TS) immediately following this page

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

/s/

NATHAN P CAULK 08/20/2015

TARA P TURNER 08/21/2015

BARBARA A FULLER 08/21/2015

LABEL AND LABELING REVIEW

Division of Medication Error Prevention and Analysis (DMEPA) Office of Medication Error Prevention and Risk Management (OMEPRM) Office of Surveillance and Epidemiology (OSE) Center for Drug Evaluation and Research (CDER)

*** This document contains proprietary information that cannot be released to the public***

Date of This Review:	August 06, 2015	
Requesting Office or Division:	Division of Dermatology and Dental Products (DDDP)	
Application Type and Number:	NDA 207589	
Product Name and Strength:	Enstilar (calcipotriene and betamethasone dipropionate) Foam, 0.005%/0.064%	
Product Type:	Multi-ingredient product	
Rx or OTC:	Rx	
Applicant/Sponsor Name:	Leo Pharma AS	
Submission Date:	April 28, 2015	
OSE RCM #:	2015-1089	
DMEPA Primary Reviewer:	Carlos M Mena-Grillasca, RPh	
DMEPA Team Leader:	Kendra Worthy, PharmD	

1 REASON FOR REVIEW

As part of the evaluation for NDA 207589, DDDP requested DMEPA evaluate the proposed container labels, carton labeling, and Full Prescribing Information (FPI) for Enstilar foam for areas of vulnerability that could lead to medication errors.

2 MATERIALS REVIEWED

We considered the materials listed in Table 1 for this review. The Appendices provide the methods and results for each material reviewed.

Table 1. Materials Considered for this Label and Labeling Review		
Material Reviewed	Appendix Section (for Methods and Results)	
Product Information/Prescribing Information	А	
Previous DMEPA Reviews	В	
Human Factors Study	C – n/a	
ISMP Newsletters	D — n/a	
FDA Adverse Event Reporting System (FAERS)*	E* - n/a	
Other	F — n/a	
Labels and Labeling	G	

N/A=not applicable for this review

*We do not typically search FAERS for label and labeling reviews unless we are aware of medication errors through our routine postmarket safety surveillance.

3 OVERALL ASSESSMENT OF THE MATERIALS REVIEWED

The applicant is proposing to market two packaging configurations; 60 g cans and two 60 g cans co-packaged in one carton. We note that Taclonex topical supspension, which is also a calcipotriene and betamethasone dipropionate multi-ingredient product marketed for the treatment of plaque psoriasis, is available in the same packaging configurations proposed for Enstilar. Considering that Enstilar is applied once daily for up to 4 weeks with a maximum weekly dose of ^{(b)(4)} g, a package size of 60 g and 120 g seems reasonable for a 4 week supply especially considering patients that require treatment of larger surface areas.

We note that the dosage form "^{(b) (4)} Foam" is used throughout the labels and labeling. However, CMC has determined that the correct dosage form nomenclature for this product is "Foam". In addition, the route of administration statement "Not for oral, ophthalmic, or intravaginal use" is not present on the labels. Also, the use of a background graphic on the carton labeling interferes with the legibility of important information (e.g. established name, dosage form, etc.). Finally, although the labels include the statement "Discard product **(b)**⁽⁴⁾ after opening", they do not provide a space for the patient to write down the date in which the product was opened so that they can effectively comply with the instruction.

4 CONCLUSION & RECOMMENDATIONS

We conclude that the proposed packaging configurations are adequate. However, DMEPA recommends the following container labels and carton labeling comments be implemented prior to approval of this NDA.

4.1 RECOMMENDATIONS FOR (b) (4)

- A. General Comments (all container labels and carton labeling)
 - 1. Revise the dosage form statement from " (b) (4) Foam" to read "Foam".
 - 2. Add the statement "Not for ophthalmic, oral or intravaginal use" to appear on a single line under the statement "For Topical Use Only". Use a smaller size font for the added statement.
 - Add the statement "Date Opened: _____" to appear below the statement "Discard product _____" after opening."
- B. Carton labeling
 - Delete or reduce the (b) (4) background graphic so that it does not interfere with the legibility of the proprietary name, established name, dosage form, and strength.

APPENDICES: METHODS & RESULTS FOR EACH MATERIALS REVIEWED

APPENDIX A. PRODUCT INFORMATION/PRESCRIBING INFORMATION

Table 2 presents relevant product information for Enstilar that Leo Pharma submitted on April 28, 2015.

Table 2. Relevant Product Information for Enstilar	
Initial Approval Date	n/a
Active Ingredient	Calcipotriene and Betamethasone dipropionate
Indication	Topical treatment of plaque psoriasis in adults 18 years of age and older.
Route of Administration	Topical
Dosage Form	Foam
Strength	0.005%/0.064%
Dose and Frequency	Apply to the affected area(s) once daily for up to 4 weeks.
How Supplied	60 g cans
	2 x 60 g cans
Storage	20- 25°C (68 -77°F); excursions permitted between 15-30°C (59-86°F).
Container Closure	n/a

APPENDIX B. PREVIOUS DMEPA REVIEWS

B.1 Methods

On July 31, 2015, we searched the L:drive and AIMS using the terms, Enstilar, to identify reviews previously performed by DMEPA.

B.2 Results

Our search did not identify any previous labeling review for Enstilar.

APPENDIX C. HUMAN FACTORS STUDY

N/A

APPENDIX D. ISMP NEWSLETTERS

N/A

APPENDIX E. FDA ADVERSE EVENT REPORTING SYSTEM (FAERS)

N/A

APPENDIX F. N/A

5 Page(s) of Draft Labeling have been Withheld in Full as b4 (CCI/TS) immediately following this page

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

/s/

CARLOS M MENA-GRILLASCA 08/06/2015

KENDRA C WORTHY 08/07/2015

RPM FILING REVIEW

(Including Memo of Filing Meeting) To be completed for all new NDAs, BLAs, and Efficacy Supplements [except SE8 (labeling change with clinical data) and SE9 (manufacturing change with clinical data]

	Applic	ation Informat	tion
NDA # 207589 BLA#	NDA Supplement i BLA Supplement f		Efficacy Supplement Category: New Indication (SE1) New Dosing Regimen (SE2) New Route Of Administration (SE3) Comparative Efficacy Claim (SE4) New Patient Population (SE5) Rx To OTC Switch (SE6) Accelerated Approval Confirmatory Study (SE7) Animal Rule Confirmatory Study (SE7) Labeling Change With Clinical Data (SE8) Manufacturing Change With Clinical Data (SE9) Pediatric
Proprietary Name: Enstilar Established/Proper Name: Dosage Form: foam Strengths: 0.005%/0.064%	calcipotriene and be	tamethasone dip	ropionate
Applicant: LEO Pharma A		- Teo	
Agent for Applicant (if app Date of Application: Decen		a mc.	
Date of Receipt: December			
Date clock started after UN			
PDUFA/BsUFA Goal Date			ate (if different):
Filing Date: February 16, 2		Date of Filing	Meeting: February 2, 2015
Combination Type 3- New Dosage Form Type 4- New Combination Type 5- New Formulation Type 7- Drug Already Ma Type 8- Partial Rx to OTC Proposed indication(s)/Prop	ntity (NME); NME an dient; New Active Ing n; New Dosage Form a or New Manufacturer rketed without Approv 2 Switch	redient and New I and New Combina ved NDA	Dosage Form; New Active Ingredient and New ation
Type of Original NDA: AND (if applicable Type of NDA Supplement:			$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
If 505(b)(2): Draft the "505(l http://inside.fda.gov:9003/CDER/Of			

Type of BLA				51(a) 51(k)		
If 351(k), notify the OND Therapeutic Biol	ogics and Biosimilars Tea	m		<u> </u>	1	
Review Classification:				tandard	l	
The application will be a priority review if:			Priority			
A complete response to a pediatric	Written Dequest (WD) wa				WD	
included (a partial response to a W				ediatric	C WK	
the labeling should also be a prior				DP .		
• The product is a Qualified Infectious Disease Product (QIDP)					Disease Priority	
	 A Tropical Disease Priority Review Voucher was submitted 				cher	
A Pediatric Rare Disease Priority				Rare Disease Priority		
Resubmission after withdrawal?				w Vouc		
	Resubmi			use to		
Part 3 Combination Product?	Convenience kit/Co-p	<u> </u>				
	Pre-filled drug deliver					
If yes, contact the Office of	Pre-filled biologic del					
Combination Products (OCP) and copy them on all Inter-Center consults						
Device coaled impregnated combined with biologic						
Separate products requiring cross-labeling						
	Drug/Biologic					
	Possible combination	based	on cros	ss-label	ing of separate	
l I	products					
	Other (drug/device/bi	ologica	al produ	uct)		
 Fast Track Designation Breakthrough Therapy Designation (set the submission property in DARRTS and notify the CDER Breakthrough Therapy Program Manager) Rolling Review Orphan Designation Rx-to-OTC switch, Full Rx-to-OTC switch, Partial Direct-to-OTC 					ry studies (21 CFR s to verify clinical	
Other:	hundred):					
Collaborative Review Division (if OTC)	-					
List referenced IND Number(s): 114063						
Goal Dates/Product Names/Classif		YES	NO	NA	Comment	
PDUFA/BsUFA and Action Goal dates of system?		\boxtimes				
If no, ask the document room staff to correct						
These are the dates used for calculating ins						
Are the established/proper and applicant tracking system?	names correct in	\boxtimes				
If no, ask the document room staff to make ask the document room staff to add the esta						

to the supporting IND(s) if not already entered into track system.	ing					
Is the review priority (S or P) and all appropriate classifications/properties entered into tracking system chemical classification, combination product classific orphan drug)? Check the New Application and New Sup Notification Checklists for a list of all classifications/prop at: http://inside.fda.gov:9003/CDER/OfficeofBusinessProcessSupport/ucm m If no, ask the document room staff to make the appropriate	cation, pplement perties 163969.ht					
entries.		MEG	NO	DT A	0	
Application Integrity Policy	D 1	YES	NO	NA	Comment	
Is the application affected by the Application Integrit (AIP)? Check the AIP list at: <u>http://www.fda.gov/ICECI/EnforcementActions/ApplicationIntegrityPot_htm</u>			\boxtimes			
If yes, explain in comment column.						
If affected by AIP, has OC/OMPQ been notified of the submission? If yes, date notified:						
User Fees		YES	NO	NA	Comment	
Is Form 3397 (User Fee Cover Sheet)/Form 3792 (Bi User Fee Cover Sheet) included with authorized sign		\boxtimes				
User Fee StatusIf a user fee is required and it has not been paid (and it is not exempted or waived), the application is unacceptable for filing following a 5-day grace period. Review stops. Send Unacceptable for Filing (UN) letter and contact user fee staff.If the firm is in arrears for other fees (regardless of whether a user fee has been paid for this application), the application is unacceptable for filing (5-day grace period does not apply). Review stops. Send UN letter	equired and it has not been paid (and it or waived), the application is r filing following a 5-day grace period. end Unacceptable for Filing (UN) letter r fee staff. UserFeeAR@fda.hhs.gov): Waived (e.g., small business, public health) Waived (e.g., small business, public health) Not required Payment of other user fees: arrears for other fees (regardless of fee has been paid for this application), is unacceptable for filing (5-day grace Not in arrears					
and contact the user fee staff. <u>User Fee Bundling Policy</u> Refer to the guidance for industry, Submitting Separate Marketing Applications and Clinical Data for Purposes of Assessing User Fees at: <u>http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulator</u> <u>yInformation/Guidances/UCM079320.pdf</u>						
505(b)(2) (NDAs/NDA Efficacy Supplements only) Is the application a 505(b)(2) NDA? (Check the 356h f)	form.	YES	NO X	NA	Comment	

<i>cover letter, and annotated labeling).</i> If yes, answer the bulleted questions below:					
• Is the application for a duplicate of a listed drug and eligible for approval under section 505(j) as an ANDA?					
• Is the application for a duplicate of a listed drug whose					
only difference is that the extent to which the active					
ingredient(s) is absorbed or otherwise made available to					
the site of action is less than that of the reference listed					
drug (RLD)? [see 21 CFR 314.54(b)(1)].					
• Is the application for a duplicate of a listed drug whose					
only difference is that the rate at which the proposed					
product's active ingredient(s) is absorbed or made					
available to the site of action is unintentionally less than					
that of the listed drug [see 21 CFR 314.54(b)(2)]?					
If you answered yes to any of the above bulleted questions, the					
application may be refused for filing under 21 CFR					
314.101(d)(9). Contact the 505(b)(2) review staff in the Immediate					
Office of New Drugs for advice.					
 Is there unexpired exclusivity on another listed drug 					
product containing the same active moiety (e.g., 5-year,					
3-year, orphan, or pediatric exclusivity)?					
Check the Electronic Orange Book at:					
http://www.accessdata.fda.gov/scripts/cder/ob/default.cfm					
If yos plance list below.					
If yes, please list below:	Ļ				1
Application No. Drug Name Exclusivity Co	ode	Exc	usivity :	Expiration	
	ode	Exc	lusivity	Expiration	
	ode	Excl	lusivity	Expiration	
Application No. Drug Name Exclusivity Co				-	
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed definition of the second se	lrug prod	uct cont	aining t	he same activ	
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of exclusion	lrug prod sivity exp	uct cont ires (uni	aining t	he same activ applicant pro	vides
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d	lrug prod sivity exp ted four y	uct cont ires (uni ears aft	aining t less the d er the dd	he same activ applicant pro ate of approva	vides al.)
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted pediatric exclusivity will extend both of the timeframes in this provisi	lrug prod sivity exp ted four y ion by 6 n	uct cont ires (uni ears afte nonths.	aining t less the d er the dd 21 CFR	he same activ applicant pro ate of approva 314.108(b)(2)	vides al.)
Application No. Drug Name Exclusivity Comparison If there is unexpired, 5-year exclusivity remaining on another listed data a 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted pediatric exclusivity will extend both of the timeframes in this provisited Unexpired, 3-year exclusivity may block the approval but not the submitted until the submitted until the period of the submitted until the period of exclusivity will extend both of the timeframes in this provisited unexpired, 3-year exclusivity may block the approval but not the submitted until the submitted until the period of the submitted unexpired, 3-year exclusivity may block the approval but not the submitted until the period of the submitted unexpired, 3-year exclusivity may block the approval but not the submitted until the period of the submitted unexpired, 3-year exclusivity may block the approval but not the submitted until the period but not the submitted unexpired.	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths f a 505(aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Comparison If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted submitted	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears afte nonths f a 505(NO	aining t less the d er the dd 21 CFR	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Comparison If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted submitted until the period of exclusivity may block the approval but not the submitted until the period of exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted until the submitted until the period of exclusivity may block the approval but not the submitted until the period of exclusivity may block the approval but not the submitted until the period of exclusivity may block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusivity block the approval but not the submitted until the period of exclusited until the period of exclusivity block the approval but not the	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths f a 505(aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Comparison If there is unexpired, 5-year exclusivity remaining on another listed defined a 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted submitted until the period of exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted until the submitted until the period of the same indication? Check the Orphan Drug	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears afte nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a a 505(b)(2) application cannot be submitted until the period of exclus paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Exclusivity Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at:	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears afte nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Comparison If there is unexpired, 5-year exclusivity remaining on another listed data 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted to the submitted provident of the submitted provident of the submitted period	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears afte nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Pediatric exclusivity Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm If another product has orphan exclusivity, is the product	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Comparison If there is unexpired, 5-year exclusivity remaining on another listed data 505(b)(2) application cannot be submitted until the period of excluss paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted to the submitted provident of the submitted provident of the submitted period	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of exclus paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm If another product has orphan exclusivity, is the product	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of exclus paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm If another product has orphan exclusivity, is the product	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Complete the second structure If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of excluse paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted until the period of excluse the submitted until the period of excluse the submitted of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/opd/index.cfm If another product has orphan exclusivity, is the product considered to be the same product according to the orphan drug definition of sameness [see 21 CFR 316.3(b)(13)]? If yes, consult the Director, Division of Regulatory Policy II, Office	lrug prod sivity exp ted four y ton by 6 n mission o YES	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of exclus paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Exclusivity Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm If another product has orphan exclusivity, is the product considered to be the same product according to the orphan drug definition of sameness [see 21 CFR 316.3(b)(13)]? If yes, consult the Director, Division of Regulatory Policy II, Office of Regulatory Policy NDAs/NDA efficacy supplements only: Has the applicant	lrug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Complete the second structure If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of excluse paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted until the period of excluse the submitted until the period of excluse the submitted of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity may block the approval but not the submitted unexpired, 3-year exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/opd/index.cfm If another product has orphan exclusivity, is the product considered to be the same product according to the orphan drug definition of sameness [see 21 CFR 316.3(b)(13)]? If yes, consult the Director, Division of Regulatory Policy II, Office	lrug prod sivity exp ted four y ton by 6 n mission o YES	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of exclus paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Exclusivity Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm If another product has orphan exclusivity, is the product considered to be the same product according to the orphan drug definition of sameness [see 21 CFR 316.3(b)(13)]? If yes, consult the Director, Division of Regulatory Policy II, Office of Regulatory Policy NDAs/NDA efficacy supplements only: Has the applicant	lrug prod sivity exp ted four y ton by 6 n mission o YES	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of exclus paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Exclusivity Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm If another product has orphan exclusivity, is the product considered to be the same product according to the orphan drug definition of sameness [see 21 CFR 316.3(b)(13)]? If yes, consult the Director, Division of Regulatory Policy II, Office of Regulatory Policy NDAs/NDA efficacy supplements only: Has the applicant	lrug prod sivity exp ted four y ton by 6 n mission o YES	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).
Application No. Drug Name Exclusivity Co If there is unexpired, 5-year exclusivity remaining on another listed d a 505(b)(2) application cannot be submitted until the period of exclus paragraph IV patent certification; then an application can be submitted Pediatric exclusivity will extend both of the timeframes in this provisi Unexpired, 3-year exclusivity may block the approval but not the submitted Exclusivity Does another product (same active moiety) have orphan exclusivity for the same indication? Check the Orphan Drug Designations and Approvals list at: http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm If another product has orphan exclusivity, is the product considered to be the same product according to the orphan drug definition of sameness [see 21 CFR 316.3(b)(13)]? If yes, consult the Director, Division of Regulatory Policy II, Office of Regulatory Policy NDAs/NDA efficacy supplements only: Has the applicant requested 5-year or 3-year Waxman-Hatch exclusivity?	lrug prod sivity exp ted four y ton by 6 n mission o YES	uct cont ires (uni ears aft nonths f a 505(NO	aining t less the d er the dd 21 CFR b)(2) ap	he same activ applicant pro ate of approva 314.108(b)(2) pplication.	vides al.)).

therefore, requesting exclusivity is not required.			
NDAs only : Is the proposed product a single enantiomer of a racemic drug previously approved for a different therapeutic use?	\boxtimes		
If yes, did the applicant: (a) elect to have the single enantiomer (contained as an active ingredient) not be considered the same active ingredient as that contained in an already approved racemic drug, and/or (b): request exclusivity pursuant to section 505(u) of the Act (per FDAAA Section 1113)?			
If yes, contact the Orange Book Staff (CDER-Orange Book Staff).			
BLAs only: Has the applicant requested 12-year exclusivity under section 351(k)(7) of the PHS Act?		\boxtimes	
If yes, notify Marlene Schultz-DePalo, OBP Biosimilars RPM			
Note : Exclusivity requests may be made for an original BLA submitted under Section 351(a) of the PHS Act (i.e., a biological reference product). A request may be located in Module 1.3.5.3 and/or other sections of the BLA and may be included in a supplement (or other correspondence) if exclusivity has not been previously requested in the original 351(a) BLA. An applicant can receive exclusivity without requesting it; therefore, requesting exclusivity is not required.			

Format and Content						
Do not check mixed submission if the only electronic component is the content of labeling (COL).	 All paper (except for COL) All electronic Mixed (paper/electronic) 					
	CTD Non-CTD					
If mixed (paper/electronic) submission, which parts of the application are submitted in electronic format?	Mixed (CTD/non-CTD)					
Overall Format/Content	YES	NO	NA	Comment		
If electronic submission , does it follow the eCTD guidance? ¹	\boxtimes					
If not, explain (e.g., waiver granted).						
Index: Does the submission contain an accurate comprehensive index?	\square					
Is the submission complete as required under 21 CFR 314.50 (NDAs/NDA efficacy supplements) or under 21 CFR 601.2 (BLAs/BLA efficacy supplements) including:	\boxtimes					

¹

http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm072349.pdf

⊠ legible				
English (or translated into English)				
pagination				
navigable hyperlinks (electronic submissions only)				
If no, explain.				
BLAs only: Companion application received if a shared or				
divided manufacturing arrangement?				
If yes, BLA #				
Forms and Certifications				
<i>Electronic</i> forms and certifications with electronic signatures (scanne.g., /s/) are acceptable. Otherwise, <i>paper</i> forms and certifications we <i>Forms</i> include: user fee cover sheet (3397/3792), application form (adisclosure (3454/3455), and clinical trials (3674); <i>Certifications</i> inclusion certification(s), field copy certification, and pediatric certification.	ith hand-1 356h), pai	written s tent info	rignatur rmation	es must be included. (3542a), financial
Application Form	YES	NO	NA	Comment
Is form FDA 356h included with authorized signature per 21	\boxtimes			
CFR 314.50(a)?				
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)].				
<i>314.50(a)(5)].</i> Are all establishments and their registration numbers listed		\boxtimes		CMC reviewer was
314.50(a)(5)].		\boxtimes		able to ascertain the
<i>314.50(a)(5)].</i> Are all establishments and their registration numbers listed				able to ascertain the establishment sites
<i>314.50(a)(5)].</i> Are all establishments and their registration numbers listed				able to ascertain the
<i>314.50(a)(5)].</i> Are all establishments and their registration numbers listed	YES	NO	NA	able to ascertain the establishment sites and their registration
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form?	YES		NA	able to ascertain the establishment sites and their registration numbers.
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 	YES		NA	able to ascertain the establishment sites and their registration numbers.
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only)	YES	NO	NA	able to ascertain the establishment sites and their registration numbers.
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)?		NO		able to ascertain the establishment sites and their registration numbers. Comment
 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure	YES	NO	NA NA NA	able to ascertain the establishment sites and their registration numbers.
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455		NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and	YES	NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455	YES	NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and	YES	NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)?	YES	NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)].	YES	NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)]. Note: Financial disclosure is required for bioequivalence studies	YES	NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)].	YES	NO		able to ascertain the establishment sites and their registration numbers. Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)]. Note: Financial disclosure is required for bioequivalence studies that are the basis for approval.	YES	NO	NA	able to ascertain the establishment sites and their registration numbers. Comment Comment
314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)]. Note: Financial disclosure is required for bioequivalence studies that are the basis for approval. Clinical Trials Database	YES X YES	NO	NA	able to ascertain the establishment sites and their registration numbers. Comment Comment

supporting document category, "Form 3674."				
If no, ensure that language requesting submission of the form is				
included in the acknowledgement letter sent to the applicant				
Debarment Certification	YES	NO	NA	Comment
Is a correctly worded Debarment Certification included with				Comment
authorized signature?				
autionzeu signature?				
Certification is not required for supplements if submitted in the				
original application; If foreign applicant, <u>both</u> the applicant and				
the U.S. Agent must sign the certification [per Guidance for				
Industry: Submitting Debarment Certifications].				
v 8 v 1				
Note: Debarment Certification should use wording in FD&C Act				
Section 306(k)(1) i.e., "[Name of applicant] hereby certifies that it				
did not and will not use in any capacity the services of any person				
debarred under section 306 of the Federal Food, Drug, and				
Cosmetic Act in connection with this application." Applicant may				
not use wording such as, "To the best of my knowledge"				~
Field Copy Certification	YES	NO	NA	Comment
(NDAs/NDA efficacy supplements only)				
For paper submissions only: Is a Field Copy Certification			\boxtimes	
(that it is a true copy of the CMC technical section) included?				
Field Copy Certification is not needed if there is no CMC				
technical section or if this is an electronic submission (the Field				
Office has access to the EDR)				
If wannow field come instants from foreign applicants are received				
If maroon field copy jackets from foreign applicants are received, return them to CDR for delivery to the appropriate field office.				
Controlled Substance/Product with Abuse Potential	YES	NO	NA	Comment
	ILS			Comment
For NMEs:				
Is an Abuse Liability Assessment, including a proposal for				
scheduling, submitted per 21 CFR 314.50(d)(5)(vii)?				
If yes, date consult sent to the Controlled Substance Staff:				
For non-NMEs:				
Date of consult sent to Controlled Substance Staff :				
Pediatrics	YES	NO	NA	Comment
PREA				
Deer the englishing trians DDT 10				
Does the application trigger PREA?	\boxtimes			
If yes, notify PeRC@fda.hhs.gov to schedule required PeRC				
meeting ²				

²

http://inside_fda.gov:9003/CDER/OfficeofNewDrugs/ImmediateOffice/PediatricandMaternalHealthStaff/uc m027829 htm

<i>Note:</i> NDAs/BLAs/efficacy supplements for new active ingredients (including new fixed combinations), new indications, new dosage				
forms, new dosing regimens, or new routes of administration				
trigger PREA. All waiver & deferral requests, pediatric plans, and				
pediatric assessment studies must be reviewed by PeRC prior to				
approval of the application/supplement.				
If the application triggers PREA, is there an agreed Initial Pediatric Study Plan (iPSP)?				Agreed Upon iPSP December 3, 2013
If no, may be an RTF issue - contact DPMH for advice.				
If required by the agreed iPSP, are the pediatric studies outlined in the agreed iPSP completed and included in the application?				
If no, may be an RTF issue - contact DPMH for advice.				
BPCA:				
Is this submission a complete response to a pediatric Written				
Request?				
If yes, notify Pediatric Exclusivity Board RPM (pediatric exclusivity determination is required) ³				
Proprietary Name	YES	NO	NA	Comment
Is a proposed proprietary name submitted?		\square		
If yes, ensure that the application is also coded with the supporting document category, "Proprietary Name/Request for Review."				
REMS	YES	NO	NA	Comment
Is a REMS submitted?			\boxtimes	
If yes, send consult to OSE/DRISK and notify OC/ OSI/DSC/PMSB via the CDER OSI RMP mailbox				
Prescription Labeling		ot appli	cable	•
Check all types of labeling submitted.		ckage I		PI)
				Insert (PPI)
		struction	ns for U	Jse (IFU)
	M	edicatio	n Guid	le (MedGuide)
		rton lal	bels	``´´
	I Im	mediat	e conta	iner labels
	Di	luent		
	Ot	her (sp	ecify)	
	YES	NO	NA	Comment
Is Electronic Content of Labeling (COL) submitted in SPL format?				
If no, request applicant to submit SPL before the filing date.				

³

http://inside_fda.gov:9003/CDER/OfficeofNewDrugs/ImmediateOffice/PediatricandMaternalHealthStaff/uc m027837 htm

Is the PI submitted in PLR format? ⁴					
If PI not submitted in PLR format, was a waiver or deferral requested before the application was received or in the submission? If requested before application was submitted, what is the status of the request?			\boxtimes		
If no waiver or deferral, request applicant to submit labeling in PLR format before the filing date.					
All labeling (PI, PPI, MedGuide, IFU, carton and immediate container labels) consulted to OPDP?	\boxtimes				
MedGuide, PPI, IFU (plus PI) consulted to OSE/DRISK? (send WORD version if available)				Patient Labeling Consulted	
Carton and immediate container labels, PI, PPI sent to OSE/DMEPA and appropriate CMC review office (OBP or ONDQA)?					
OTC Labeling		t Appl	icable		
Check all types of labeling submitted.	 Outer carton label Immediate container label Blister card Blister backing label Consumer Information Leaflet (CIL) Physician sample Consumer sample Other (specify) 				
	YES	NO	NA	Comment	
Is electronic content of labeling (COL) submitted? If no, request in 74-day letter.					
Are annotated specifications submitted for all stock keeping units (SKUs)?					
If no, request in 74-day letter. If representative labeling is submitted, are all represented SKUs defined?					
If no, request in 74-day letter.	1				
All labeling/packaging sent to OSE/DMEPA?					
Other Consults	YES	NO	NA	Comment	
		NO	NA X	Comment	

⁴

http://inside_fda.gov:9003/CDER/OfficeofNewDrugs/ImmediateOffice/StudyEndpointsandLabelingDevelopmentTeam/ucm025576 htm

End-of Phase 2 meeting(s)? Date(s): <i>If yes, distribute minutes before filing meeting</i>		May 9, 2013- Final Responses June 19, 2013- CMC Only
Pre-NDA/Pre-BLA/Pre-Supplement meeting(s)? Date(s): <i>If yes, distribute minutes before filing meeting</i>		March 26, 2014
Any Special Protocol Assessments (SPAs)? Date(s): If yes, distribute letter and/or relevant minutes before filing meeting		

ATTACHMENT

MEMO OF FILING MEETING

DATE: February 2, 2015

BACKGROUND:

REVIEW TEAM:

Discipline/Organization		Names	Present at filing meeting? (Y or N)
Regulatory Project Management	RPM:	Williams	Y
	CPMS/TL:	Gould	Y
Cross-Discipline Team Leader (CDTL)	Diglisic	-	Y
Division Director/Deputy	Marcus		Y
Office Director/Deputy			
Clinical	Reviewer:	McCord	Y
	TL:	Diglisic	Y
Social Scientist Review (for OTC products)	Reviewer:		
	TL:		
OTC Labeling Review (for OTC products)	Reviewer:		
	TL:		
Clinical Microbiology (for antimicrobial products)	Reviewer:		
	TL:		
Clinical Pharmacology	Reviewer:	Shukla	Y
	TL:	Tran	Y
Biostatistics	Reviewer:	Guerra	Y
	TL:	Alosh	Y

Nonclinical (Pharmacology/Toxicology)	Reviewer:	See	Y
(**************************************	TL:	Hill	Y
Statistics (carcinogenicity)	Reviewer:		
	TL:		
Immunogenicity (assay/assay validation) (for protein/peptide products only)	Reviewer:		
	TL:		
Product Quality (CMC)	Reviewer:	Ibrahim	Y
	TL:	Sun	Y
Biopharmaceutics	Reviewer	Mandula	Y
	TL:	Kitchens	Y
Quality Microbiology	Reviewer:		
	TL:		
CMC Labeling Review	Reviewer:		
	TL:		
Facility Review/Inspection	Reviewer:		
	TL:		
OSE/DMEPA (proprietary name, carton/container labels))	Reviewer:	Mena-Grillascas	Y
	TL:		
OSE/DRISK (REMS)	Reviewer:		
	TL:		
OC/OSI/DSC/PMSB (REMS)	Reviewer:		
	TL:		

Bioresearch Monitoring (OSI)	Reviewer:
	TL:
Controlled Substance Staff (CSS)	Reviewer:
	TL:
Other reviewers/disciplines	Reviewer:
	TL:
Other attendees	

FILING MEETING DISCUSSION:

GENERAL • 505(b)(2) filing issues:	🔀 Not Applicable
 Is the application for a duplicate of a listed drug and eligible for approval under section 505(j) as an ANDA? 	U YES INO
 Did the applicant provide a scientific "bridge" demonstrating the relationship between the proposed product and the referenced product(s)/published literature? Describe the scientific bridge (e.g., BA/BE studies): 	U YES D NO
• Per reviewers, are all parts in English or English translation?	⊠ YES □ NO
If no, explain:	
Electronic Submission comments	Not Applicable
List comments:	
CLINICAL	 Not Applicable FILE REFUSE TO FILE
Comments:	Review issues for 74-day letter
Clinical study site(s) inspections(s) needed?	⊠ YES □ NO
If no, explain:	

Advisory Committee Meeting needed? Comments:	 ☐ YES Date if known: ⊠ NO ☐ To be determined
If no, for an NME NDA or original BLA, include the reason. For example: • this drug/biologic is not the first in its class	Reason:
 the start agrototogic is not the inist in its class the clinical study design was acceptable the application did not raise significant safety or efficacy issues the application did not raise significant public health questions on the role of the drug/biologic in the diagnosis, cure, mitigation, treatment or prevention of a disease 	
• If the application is affected by the AIP, has the division made a recommendation regarding whether or not an exception to the AIP should be granted to permit review based on medical necessity or public health significance?	Not Applicable YES NO
Comments:	
 CONTROLLED SUBSTANCE STAFF Abuse Liability/Potential 	 Not Applicable FILE REFUSE TO FILE
Comments:	Review issues for 74-day letter
CLINICAL MICROBIOLOGY	 Not Applicable FILE REFUSE TO FILE
Comments:	Review issues for 74-day letter
CLINICAL PHARMACOLOGY	 Not Applicable FILE REFUSE TO FILE
Comments:	Review issues for 74-day letter
 Clinical pharmacology study site(s) inspections(s) needed? 	☐ YES ⊠ NO
BIOSTATISTICS	 Not Applicable FILE REFUSE TO FILE

Comments:	Review issues for 74-day letter
NONCLINICAL (PHARMACOLOGY/TOXICOLOGY)	 □ Not Applicable ○ FILE □ REFUSE TO FILE
Comments:	Review issues for 74-day letter

IMMUNOGENICITY (protein/peptide products only)	Not Applicable
	FILE FILE
	REFUSE TO FILE
Comments:	Review issues for 74-day letter
PRODUCT QUALITY (CMC)	Not Applicable
	FILE
	□ REFUSE TO FILE
Comments:	Review issues for 74-day letter
New Molecular Entity (NDAs only)	
• Is the product an NME?	\square YES \boxtimes NO
Environmental Assessment	
• Categorical exclusion for environmental assessment (EA) requested?	\square YES \bowtie NO
If no, was a complete EA submitted?	\square YES \bowtie NO
If EA submitted, consulted to EA officer (OPS)?	☐ YES ☐ NO
Comments:	
Quality Microbiology	Not Applicable
• Was the Microbiology Team consulted for validation of sterilization?	YES NO
Comments:	

Facility Inspection	Not Applicable
• Establishment(s) ready for inspection?	⊠ YES □ NO
 Establishment Evaluation Request (EER/TBP-EER) submitted to OMPQ? 	⊠ YES □ NO
Comments:	
Facility/Microbiology Review (BLAs only)	 Not Applicable FILE REFUSE TO FILE
Comments:	Review issues for 74-day letter
CMC Labeling Review	
Comments:	
	Review issues for 74-day letter
APPLICATIONS IN THE PROGRAM (PDUFA V) (NME NDAs/Original BLAs)	N/A
• Were there agreements made at the application's pre-submission meeting (and documented in the minutes) regarding certain late submission components that could be submitted within 30 days after receipt of the original application?	☐ YES ☐ NO
• If so, were the late submission components all submitted within 30 days?	☐ YES ☐ NO
• What late submission components, if any, arrived after 30 days?	
• Was the application otherwise complete upon submission, including those applications where there were no agreements regarding late submission components?	☐ YES ☐ NO

cli	a comprehensive and readily located list of all nical sites included or referenced in the plication?		
ma	a comprehensive and readily located list of all anufacturing facilities included or referenced in the plication?		
	REGULATORY PROJECT MANAGEMENT		
Signat	tory Authority: Kendall Marcus, MD, Director, DDDP		
Date o	of Mid-Cycle Meeting (for NME NDAs/BLAs in "the Program" PDUFA V):		
21 st Century Review Milestones (see attached) (listing review milestones in this document is optional):			
Comm	nents:		
	REGULATORY CONCLUSIONS/DEFICIENCIES		
	The application is unsuitable for filing. Explain why:		
\boxtimes	The application, on its face, appears to be suitable for filing.		
	Review Issues:		
	□ No review issues have been identified for the 74-day letter.		
	Review issues have been identified for the 74-day letter.		
	Review Classification:		
	Standard Review		
	Priority Review		
	ACTIONS ITEMS		
	Ensure that any updates to the review priority (S or P) and classifications/properties are entered into tracking system (e.g., chemical classification, combination product classification, orphan drug).		
	If RTF, notify everyone who already received a consult request, OSE PM, and Product Quality PM (to cancel EER/TBP-EER).		
	If filed, and the application is under AIP, prepare a letter either granting (for signature by Center Director) or denying (for signature by ODE Director) an exception for review.		
	351(k) BLA/supplement: If filed, send filing notification letter on day 60 If priority review:		

 notify sponsor in writing by day 60 (see CST for choices) notify OMPQ (so facility inspections can be scheduled earlier)
Send review issues/no review issues by day 74
Conduct a PLR format labeling review and include labeling issues in the 74-day letter
Update the PDUFA V DARRTS page (for applications in the Program)
Other

Annual review of template by OND ADRAs completed: September 2014

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

/s/

DAWN WILLIAMS 03/25/2015