# CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: NDA 22-249

# **MICROBIOLOGY REVIEW(S)**



# **Product Quality Microbiology Review**

#### 06 FEB 2008

NDA:

22-249-BC

**Drug Product Name** 

Proprietary:

Treanda® (proposed)

Non-proprietary:

Bendamustine hydrochloride

**Drug Product Priority Classification:** 

Review Number:

2

1P

Dates of Submission(s) Covered by this Review

Letter	Stamp	Review Request	Assigned to Reviewer
07-JAN-2008	08-JAN-2008	08-JAN-2008	08-JAN-2008

Submission History (for amendments only)

Submission Date(s)	Microbiology Review #	Review Date(s)
19-SEP-2007	1	17-DEC-2007
15-NOV-2007	1	17-DEC-2007

Applicant/Sponsor

Name: Address: Cephalon, Inc.

41 Moores Road

Frazer, PA 19355

Representative:

Carol S. Marchione

Senior Director & Group Leader

Regulatory Affairs

Telephone:

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Name of Reviewer:

Anastasia G. Lolas

**Conclusion:** 

Recommended for approval



# **Product Quality Microbiology Data Sheet**

- A. 1. TYPE OF SUBMISSION: Amendment to a new drug application
  - 2. SUBMISSION PROVIDES FOR: Responses to microbiology questions identified in Microbiology Review #1
  - 3. MANUFACTURING SITE:

Pharmachemie B.V.

Swensweg 5 2003 RN Haarlem The Netherlands

- 4. DOSAGE FORM, ROUTE OF ADMINISTRATION AND STRENGTH/POTENCY:
  - > Lyophilized powder in a 20 mL single-use glass vial
  - > Intravenous infusion
  - ➤ 100 mg
- 5. METHOD(S) OF STERILIZATION:
- 6. PHARMACOLOGICAL CATEGORY: Antineoplastic agent for treatment of patients with chronic lymphocytic lymphoma (CLL)
- B. SUPPORTING/RELATED DOCUMENTS:
  - ➤ Microbiology Review #1 dated 17-DEC-2007
- C. REMARKS: This amendment is an electronic submission and is in response to 6 microbiology questions and 2 comments communicated to the applicant on 17-DEC-2007 (see DFS).

file name: N022249R2.doc

### **Executive Summary**

- I. Recommendations
  - A. Recommendation on Approvability NDA 22-249 is recommended for approval based on product quality microbiology
  - B. Recommendations on Phase 4 Commitments and/or Agreements, if Approvable N/A
- II. Summary of Microbiology Assessments
  - A. Brief Description of the Manufacturing Processes that relate to Product Quality Microbiology The drug product is
  - B. Brief Description of Microbiology Deficiencies None
  - C. Assessment of Risk Due to Microbiology Deficiencies N/A
- III. Administrative
  - A. Reviewer's Signature \_\_\_\_\_\_ Anastasia G. Lolas
  - B. Endorsement Block
    Stephen E. Langille, Ph.D.
  - C. CC Block



# Page(s) Withheld

Trade Secret / Confidential

\_ Draft Labeling

\_\_\_\_\_ Deliberative Process



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