

**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:

205580Orig1s000

PRODUCT QUALITY REVIEW(S)

adequately addressed and potential risks to patient safety, product efficacy, and product quality mitigated appropriately. Accordingly, OPQ recommends APPROVAL of NDA 205580 and grants a ^(b)₍₄₎-month re-test period for the drug substance and a 24 month expiration period for the drug product when stored between 2 -8 C (36 to 46 F) in the commercial packaging. The drug product should be used within 24 hours when held under refrigeration or 3 hours when stored at room temperature (these times include administration time). Each vial is not recommended for more than a total of six dose withdrawals and should be discarded after 28 days.

Proposed Indication(s) including Intended Patient Population	<ul style="list-style-type: none"> Chronic lymphocytic leukemia (CLL). Efficacy relative to first line therapies other than chlorambucil has not been established. Indolent B-cell non-Hodgkin lymphoma (NHL) that has progressed during or within six months of treatment with rituximab or a rituximab-containing regimen.
Duration of Treatment	<p>The recommended dose for CLL is 100 mg/m² administered intravenously over 30 minutes on Days 1 and 2 of a 28-day cycle, up to 6 cycles.</p> <p>The recommended dose for NHL is 120 mg/m² administered intravenously over 60 minutes on Days 1 and 2 of a 21-day cycle, up to 8 cycles.</p>
Maximum Daily Dose	^(b) ₍₄₎ mg
Alternative Methods of Administration	None

B. Quality Assessment Overview

NDA 205580 was originally submitted in February 2013 and tentatively approved (TA) in July 2014. The application could not be granted final approval until all exclusivities expired. There were no outstanding CMC issues at this time. NDA 205580 was resubmitted to the agency in January 2018. At which time it was concluded that this application would be a Class 1.

Drug Product:

In the resubmission, there were modifications noted in the proposed drug product specifications based on approved post-marketing CMC submissions for BENDEKA (bendamustine hydrochloride) injection 100mg/4mL (25 mg/mL) for infusion under Eagle's NDA 208194 which was approved in December 2015. Of note, the DP reviewer states that due to the current OPQ policy on resubmissions for implementation of USP<232> and USP<233>, the elemental impurities specification in the drug product was verified (see appended drug product memo).

In the original submission, the applicant requested a 24 month expiry for the drug product. At that time the drug product reviewer recommended an ^(b)₍₄₎ month expiry for the drug product. In support of the proposed 24 month drug product expiry, the

applicant has provided 24 months of long term and 6 month of accelerated stability data. All data was acceptable. Accordingly, Eagle Pharmaceuticals proposed and the FDA accepts the expiration dating period of **24 months** for the drug product when stored at stored between 2 -8 C (36 to 46 F) in the commercial packaging based on real time data.

Microbiology:

The resubmission included updated details pertaining to process and micro validation. The micro team reviewed the submission and it was concluded that all information provided by the applicant was adequate and as such the application is recommended for approval on the basis of sterility assurance (see appended microbiology memo).

Facilities:

All facilities are ACCEPTABLE and recommended for approval for the functions listed in the application.

Submission Overall Manufacturing Facility Status			
Overall Inspection Recommendation	Completion Date	Submission Status	Project Name
Approve	3/2/2018	Pending	NDA-205580-ORIG-1-RESUB-38
Not Applicable	2/9/2018	Pending	NDA-205580-ORIG-1-RESUB-34
Recommendation Not Made	5/19/2016	Tentative Approval	NDA-205580-ORIG-1-RESUB-34

Submission Manufacturing Facilities			
Facility Status	Completion Date	Project Name	(b) (4)
Approve Facility	3/2/2018	NDA-205580-ORIG-1-RESUB-38	
Approve Facility	3/2/2018	NDA-205580-ORIG-1-RESUB-38	
Approve Facility	3/2/2018	NDA-205580-ORIG-1-RESUB-38	
Approve Facility	3/2/2018	NDA-205580-ORIG-1-RESUB-38	
Approve Facility	3/2/2018	NDA-205580-ORIG-1-RESUB-38	

Profile Code	Association (per 350b)	Alert
CTL CONTROL TESTING LABORATOR...	ACTIVE	Name
CTL CONTROL TESTING LABORATOR...	ACTIVE	Name
CTL CONTROL TESTING LABORATOR...		Name
CSN NON-STERILE API BY CHEMSC...		Name
SVS STERILE-FILLED SMALL VOULL...	ACTIVE	Name

C. Special Product Quality Labeling Recommendations (NDA only)

n/a

D. Final Risk Assessment (see Attachment)

n/a



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McLamore

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