

May 28, 2024

Leon O. Moulder, Jr.
Chief Executive Officer
Zenas BioPharma, Inc.
1000 Winter Street
North Building, Suite 1200
Waltham, MA 02451

Inc.

Draft Registration Statement on Form S-1
2024

Re: Zenas BioPharma,
Amendment No. 1 to
Submitted May 16,
CIK No. 0001953926

Dear Leon O. Moulder:

We have reviewed your amended draft registration statement and have the following comments.

Please respond to this letter by providing the requested information and either submitting an amended draft registration statement or publicly filing your registration statement on EDGAR. If you do not believe a comment applies to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing the information you provide in response to this letter and your amended draft registration statement or filed registration statement, we may have additional comments.

Amendment No. 1 to Draft Registration Statement on Form S-1

Prospectus Summary
Overview, page 1

1. We note your response to prior comment 4 and reissue in part. Please revise this section to disclose the quantity and types of serious adverse events observed while conducting your clinical trials of obexelimab.

Risk Factors

We currently rely on a single third-party manufacturer, WuXi Biologics, to supply our product candidates..., page 58

2. Please revise this risk factor to clarify if WuXi Biologics solely holds any of the necessary

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intellectual property, technology or know-how required to manufacture your product candidates.

The operations of our suppliers, many of which are located outside of the United States, including our current sole CMO..., page 62

3. We note your statement that you would be potentially restricted from entering into long-term "commercial arrangements" with WuXi Biologics if the proposed BIOSECURE Act is enacted. Please clarify if that would include sourcing drug product from WuXi Biologics for clinical or commercial use and disclose the resulting risks to investors. Your revisions should also discuss any steps you have taken to mitigate these

risks, such as
evaluating potential replacement contract manufacturing organizations in
the United
States or European Union.
Please contact Li Xiao at 202-551-4391 or Angela Connell at 202-551-3426
if you have
questions regarding comments on the financial statements and related matters.
Please contact
Tyler Howes at 202-551-3370 or Chris Edwards at 202-551-6761 with any other
questions.

FirstName LastNameLeon O. Moulder, Jr.

Corporation Finance
Comapany NameZenas BioPharma, Inc.

Sciences
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cc: Nicholas Roper, Esq.
FirstName LastName

Sincerely,

Division of

Office of Life