

July 6, 2023

Stephen Mahoney
President, Chief Financial and Operating Officer
Magenta Therapeutics, Inc.
300 Technology Square, 8th Floor
Cambridge, MA 02139

Re: Magenta

Therapeutics, Inc.

Amendment No. 1 to

Registration Statement on Form S-4

Filed June 22, 2023

File No. 333-271917

Dear Stephen Mahoney:

We have reviewed your amended registration statement and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter by amending your registration statement and providing the requested information. If you do not believe our comments apply to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing any amendment to your registration statement and the information you provide in response to these comments, we may have additional comments. Unless we note otherwise, our references to prior comments are to comments in our June 13, 2023 letter.

Amendment No. 1 to Registration Statement on Form S-4

Opinion of Houlihan Lokey to the Magenta Board
Material Financial Analyses, page 162

1. We note your response to our prior comment 10 that Houlihan Lokey identified a sufficient number of companies but may not have included all companies that might be deemed comparable to Dianthus. Please revise your disclosure to state how Houlihan Lokey identified which companies to include and which to exclude in its analysis.

Stephen Mahoney
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Magenta Therapeutics, Inc. Mahoney
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July 6, 2023NameMagenta Therapeutics, Inc.
July 6,2 2023 Page 2
Page

FirstName LastName
Dianthus' Business
Dianthus' Pipeline of Next-Generation Complement Therapeutics, page 285

2. We note your response to our prior comment 17. Please revise your pipeline table so that all your text is legible. We note the text appearing directly below the table is too small to be legible. Also, eliminate the shadow arrows, as they do not reflect the current status of your trials.

3. We note your response to our prior comment 18 and reissue in part. Your revised pipeline table contains a row depicting "Ongoing Discovery Efforts to Identify Additional Active Selective Complement Targets" with no specific program or target identified. Given the

early stage of development, it seems premature to highlight your ongoing discovery efforts as a specific row in the pipeline table. Please remove this row from your pipeline table. You may disclose your ongoing discovery efforts elsewhere in your Business section.

Unaudited Pro Forma Condensed Combined Financial Information, page 373

4. Please address the following regarding your response to comment 25 in our letter dated

June 13, 2023:

Tell us how you considered whether the merger should be recorded as an asset acquisition by Dianthus under ASC 805 given the contingent cash flow streams resulting from the sales of certain assets, including intellectual property, related to its MGTA-117 antibody, MGTA-45 program and MGTA-145 program. Tell us how you evaluated the extent to which the accounting would be different if you accounted for the merger as an asset purchase versus a reverse recapitalization, providing quantification where possible. As part of your response and with a view to revised disclosure, clearly detail how you determined that the intangible assets for the contingent significant future cash flows resulting from the sales of certain assets, including intellectual property, related to its MGTA-117 antibody, MGTA-45 program and MGTA-145 program meet the definition of "nominal other assets" in section 1160.2 of the Financial Reporting Manual available on our website. In your response, specifically address your evaluation of these assets in isolation of the Contingent Value Right (CVR) agreement rather than net of the CVR.

Tell us and revise to reconcile the apparent inconsistency in your conclusion to treat the merger as a reverse recapitalization for accounting purposes with the contractual provision on page A-41 that "Magenta has not been and is not currently determined to be a shell company as defined under Section 12b-2 of the Exchange Act."

5. Please address the following regarding your response to comment 26 of our letter dated

June 13, 2023:

Revise your pro forma presentation to give separate pro forma effect to the April asset sales and CVR liability transactions pursuant to Article 11-1(a)(8) of Regulation Stephen Mahoney
Magenta Therapeutics, Inc.

July 6, 2023

Page 3

S-X. The transactions have occurred and it appears given the nature of the transactions the disclosure would be material to investors.

To the extent you believe the asset sales are not material to Magenta, provide us with your evaluation of the sale transactions in isolation of the CVR agreements, including quantification of the amounts involved.

Tell us in detail and revise to clearly describe how Magenta accounted for and valued each of the individual transactions from the April asset sales and CVR liability for accounting purposes in their historical financial statements.

We note your statement on page 380 that "As any amounts related to the asset purchase agreements and CVRs are expected to be either not material and/or not probable to be recognized, the agreements were not deemed to be significant and it was determined not to give an effect to these agreements in the unaudited pro forma condensed combined financial information." To the extent you determine the initial

recognition of one or all of these individual transactions will be
de minimis because
the probability of the receipt (or payment) of the contingent future
contractual cash
flows is so low as of the date of the transaction together with the
cash paid at the time
of the sale, clearly disclose that fact, and provide accompanying
disclosure of the
potential maximum future cash flows along with your assertion as to
the probability
of receipt (or payment). Clearly identify that your evaluation of
the materiality of the
asset sales is in isolation from the CVR agreements.

You may contact Jenn Do at 202-551-3743 or Kevin Vaughn at 202-551-3494
if you
have questions regarding comments on the financial statements and related
matters. Please
contact Doris Stacey Gama at 202-551-3188 or Jason Drory at 202-551-8342 with
any other
questions.

FirstName LastNameStephen Mahoney
Corporation Finance
Comapany NameMagenta Therapeutics, Inc.

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July 6, 2023 Page 3
cc: Marianne Sarrazin, Esq.
FirstName LastName

Sincerely,

Division of

Office of Life