

| OMB APPROVAL | |
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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| 1. Name and Address of Reporting Person* <u>Beaulieu Joseph</u> (Last) (First) (Middle) <u>C/O EPIZYME, INC.,</u> <u>400 TECHNOLOGY SQUARE, 4TH FLOOR</u> (Street) <u>CAMBRIDGE MA 02139</u> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Epizyme, Inc. [EPZM]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) See Remarks |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>08/12/2022</u> | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|----------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock, par value \$0.0001 | 08/12/2022 | | D | | 30,181 ⁽¹⁾⁽²⁾ | D | (2) | 21,895 | D | |
| Common Stock, par value \$0.0001 | 08/12/2022 | | D | | 21,895 ⁽³⁾ | D | (3) | 0 | D | |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | |

Explanation of Responses:

- Includes 977 shares of common stock of the Issuer ("Shares") inadvertently omitted from the total Shares directly held by the Reporting Person in the previous Form 4 filed with the Securities and Exchange Commission on February 28, 2022.
- Reflects disposition of Shares in connection with that certain Agreement and Plan of Merger (the "Merger Agreement"), by and among the Issuer, Ipsen Pharma SAS and Hibernia Merger Sub, Inc. ("Merger Sub"), dated as of June 27, 2022, including the completion of a tender offer to purchase all outstanding Shares of the Issuer, at a price per Share of (i) \$1.45 per Share (the "Cash Consideration"), plus (ii) one (1) contractual contingent value right per Share ("CVR"), which represents the right to receive one or more contingent payments upon the achievement of certain milestones, if any (collectively, the "Offer Price"), and the consummation of the merger (the "Merger") between the Issuer and Merger Sub on August 12, 2022. As of the effective time of the Merger (the "Effective Time"), each Share held by the Reporting Person was converted into the Offer Price.
- Reflects disposition of restricted stock units ("RSUs") in accordance with the Merger Agreement, pursuant to which, effective immediately prior to the Effective Time, each unvested RSU held by the Reporting Person automatically vested in full and was canceled and converted into the right to receive (i) an amount of cash equal to the product of (A) the total number of Shares then underlying such RSU multiplied by (B) the Cash Consideration and (ii) one (1) CVR for each Share underlying such RSU, in each case, less applicable withholding.

Remarks:

Senior Vice President, Finance and Corporate Controller

/s/ John Weidenbruch,
attorney-in-fact

08/16/2022

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.