

| OMB APPROVAL | |
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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>SIDRANSKY DAVID</u> (Last) (First) (Middle) 12/15 MOSKOVITZ ST. (Street) REHOVOT L3 7647412 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Ayala Pharmaceuticals, Inc. [AYLA]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) |
| | 3. Date of Earliest Transaction (Month/Day/Year) 05/08/2020 | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

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 | 05/08/2020 | | P | | 200 | A | \$15.27 | 200 | I | Held by Reporting Person's son |
| Common Stock | 05/12/2020 | | P | | 25 | A | \$15.02 | 225 | I | Held by Reporting Person's son |
| Common Stock | 07/07/2020 | | P | | 1 | A | \$9.6 | 226 | I | Held by Reporting Person's son |
| Common Stock | 07/17/2020 | | P | | 4 | A | \$11.86 | 230 | I | Held by Reporting Person's son |
| Common Stock | 08/14/2020 | | P | | 5 | A | \$11.07 | 235 | I | Held by Reporting Person's son |
| Common Stock | 09/11/2020 | | P | | 10 | A | \$10.07 | 245 | I | Held by Reporting Person's son |
| Common Stock | 09/14/2020 | | P | | 1 | A | \$10.7 | 246 | I | Held by Reporting Person's son |
| Common Stock | 12/23/2020 | | P | | 4 | A | \$11.56 | 250 | I | Held by Reporting Person's son |

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) |
|--|--|--------------------------------------|--|--------------------------------|--|--|---|--|--|---|--|
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**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) | Code | V | (A) | (D) | Exercisable Date | Expiration Date | Title | Amount of Securities Underlying Derivative Security (Instr. 5) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 6) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|------|---|-----|-----|------------------|-----------------|--|--|--|--|---|--|
| Remarks | | | | | | | | | | /s/ Roni Mamluk, Ph.D., Attorney-in-Fact for David Sidransky. | | | 03/08/2021 | | |
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| 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 do not respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number. | | | | | | | | | | | | | | | |