

| 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

|                                                                                                                                                                                                               |  |  |                                                                                           |  |                                                                                                                                                                                                                                                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. Name and Address of Reporting Person*<br><b>BENEVICH ERIC</b><br><hr/> (Last) (First) (Middle)<br><b>12780 EL CAMINO REAL</b><br><hr/> (Street)<br><b>SAN DIEGO CA 92130</b><br><hr/> (City) (State) (Zip) |  |  | 2. Issuer Name and Ticker or Trading Symbol<br><b>NEUROCRINE BIOSCIENCES INC [ NBIX ]</b> |  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director _____ 10% Owner _____<br><input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____<br><b>Chief Commercial Officer</b>                                              |  |
|                                                                                                                                                                                                               |  |  | 3. Date of Earliest Transaction (Month/Day/Year)<br><b>04/15/2024</b>                     |  | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person                                                                                |  |
|                                                                                                                                                                                                               |  |  | 4. If Amendment, Date of Original Filed (Month/Day/Year)                                  |  | Rule 10b5-1(c) Transaction Indication<br><input checked="" type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. |  |

**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                    | 04/15/2024                           |                                                    | M                              |   | 7,231                                                             | A          | \$81.49                   | 48,009                                                                                        | D                                                        |                                                       |
| Common Stock                    | 04/15/2024                           |                                                    | S <sup>(1)</sup>               |   | 7,231                                                             | D          | \$133.3646 <sup>(2)</sup> | 40,778                                                                                        | D                                                        |                                                       |
| Common Stock                    | 04/15/2024                           |                                                    | M                              |   | 12,587                                                            | A          | \$81.05                   | 53,365                                                                                        | D                                                        |                                                       |
| Common Stock                    | 04/15/2024                           |                                                    | S <sup>(1)</sup>               |   | 12,587                                                            | D          | \$133.3646 <sup>(2)</sup> | 40,778                                                                                        | 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 |                                                                                   |                                            |                                                                                                    |                                                           |                                                        | Title |
| Non-Qualified Stock Option                 | \$81.49                                                | 04/15/2024                           |                                                    | M                              |   |                                                                                        | 7,231  | (3)                                                      | 02/05/2028      | Common Stock                                                                      | 7,231                                      | \$81.49                                                                                            | 26,292                                                    | D                                                      |       |
| Non-Qualified Stock Option                 | \$81.05                                                | 04/15/2024                           |                                                    | M                              |   |                                                                                        | 12,587 | (4)                                                      | 02/07/2029      | Common Stock                                                                      | 12,587                                     | \$81.05                                                                                            | 0                                                         | D                                                      |       |

**Explanation of Responses:**

- The disposition reported in this Form 4 was effected by a broker pursuant to instructions set forth in a Rule 10b5-1 trading plan adopted by the Reporting Person on November 29, 2023. Additionally, Issuer policy restricts the Reporting Person from amending or otherwise modifying any 10b5-1 trading plan subsequent to adoption of the plan.
- Represents a weighted average sales price per share. These shares were sold in multiple transactions at prices ranging from \$131.56 to \$136.47. The Reporting Person has provided to the issuer, and will provide to any security holder of the issuer or the SEC staff, upon request, information regarding the number of shares sold at each price within the range.
- The option was granted February 5, 2018 and vested in 48 equal monthly installments beginning March 5, 2018. These options will expire ten years from the date of grant on February 05, 2028.
- The option was granted February 7, 2019 and vested in 48 equal monthly installments beginning March 7, 2019. These options will expire ten years from the date of grant on February 07, 2029.

**Remarks:**

/s/ Darin Lippoldt, Attorney-in-Fact 04/17/2024

\*\* 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.