| <b>UNITED STATES</b> | SECURITIES AND | EXCHANGE | COMMISSION |
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Washington, D.C. 20549

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).

FORM 4

## 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

| 1. Name and Address of Reporting Person <sup>*</sup><br>Mahoney Stephen F. |   |  | 2. Issuer Name <b>and</b> Ticker or Trading Symbol<br><u>Kiniksa Pharmaceuticals, Ltd.</u> [KNSA] |  | ationship of Reporting Person(s) to Issuer<br>k all applicable)<br>Director 10% Owner<br>Officer (give title Other (spec<br>below) below) |  |  |  |
|--|---|--|---|--|---|--|--|--|
|  | (First) (Middle)<br>NIKSA PHARMACEUTICALS, LTD.<br>NDON HOUSE 2 CHURCH STREET |  | 3. Date of Earliest Transaction (Month/Day/Year)<br>05/29/2018                                    |  | President & COO   |  |  |  |
| (Street)<br>HAMILTON D0 HM11<br>(City) (State) (Zip)                       |   |  | 4. If Amendment, Date of Original Filed (Month/Day/Year)  | 6. Individual or Joint/Group Filing (Check Applicable Line<br>X Form filed by One Reporting Person<br>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<br>Date<br>(Month/Day/Year) |  | 3.<br>Transaction<br>Code (Instr.<br>8) |   |        |               |        | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership  |
|---------------------------------|--|--|---|---|--------|---------------|--------|---|---|--|
|                                 |  |  | Code                                    | v | Amount | (A) or<br>(D) | Price  | Reported<br>Transaction(s)<br>(Instr. 3 and 4)                |   | (Instr. 4)   |
| Class A Common Shares           | 05/29/2018                                 |  | С                                       |   | 6,392  | A             | \$0.00 | 79,589  | D   |  |
| Class A Common Shares           |  |  |   |   |        |               |        | 36,598  | I   | By Krisha<br>S.<br>Mahoney<br>as trustee<br>for the<br>Stephen F.<br>Mahoney<br>2016<br>Irrevocable<br>Trust |

|   |  |  |   |                              |   |  |   | <u> </u>            |   |                             |   | 1  |  |  |  |
|---|--|--|---|------------------------------|---|--|---|---------------------|---|-----------------------------|---|--|--|--|--|
|   | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned   (e.g., puts, calls, warrants, options, convertible securities) |  |   |                              |   |  |   |                     |   |                             |   |  |  |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security  | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transa<br>Code (<br>8) |   | Derivativ<br>Securitie<br>Acquired<br>Disposed | rivative Expiration Date of Se<br>curities (Month/Day/Year) Unde<br>puired (A) or Deriv |                     | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |                             | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|   |  |  |   | Code                         | v | (A)  | (D)   | Date<br>Exercisable | Expiration<br>Date  | Title                       | Amount<br>or<br>Number<br>of Shares                 |  | Transaction(s)<br>(Instr. 4)   |  |  |
| Series C<br>Preferred<br>Shares                     | (1)  | 02/09/2018                                 |   | Р                            |   | 6,392 <sup>(2)</sup>                           |   | (1)                 | (1)   | Class A<br>Common<br>Shares | 6,392 <sup>(2)</sup>                                | \$15.6438 <sup>(2)</sup>   | 6,392 <sup>(2)</sup>   | D  |  |
| Series A<br>Preferred<br>Shares                     | (3)  | 05/29/2018                                 |   | с                            |   |  | 107,050   | (3)                 | (3)   | Class B<br>Common<br>Shares | 107,050   | \$0.00   | 0  | D  |  |
| Series C<br>Preferred<br>Shares                     | (1)  | 05/29/2018                                 |   | с                            |   |  | 6,392   | (1)                 | (1)   | Class A<br>Common<br>Shares | 6,392   | \$0.00   | 0  | D  |  |
| Class B<br>Common<br>Shares                         | (4)  | 05/29/2018                                 |   | С                            |   | 107,050  |   | (4)                 | (4)   | Class A<br>Common<br>Shares | 107,050   | \$0.00   | 656,027  | D  |  |

## Explanation of Responses:

1. Upon closing of the Issuer's initial public offering, the preferred shares automatically converted into the Issuer's Class A Common Shares on a one-for-one basis.

2. Reflects the 1-for-2.73235 share consolidation effected May 11, 2018.

3. Upon closing of the Issuer's initial public offering, the preferred shares automatically converted into the Issuer's Class B Common Shares on a one-for-one basis.

4. Each share of Class B Common Shares is convertible at any time at the election of the holder, subject to certain contractual arrangements entered into between the Reporting Person and the Issuer, into one share of Class A Common Shares or one share of Class B1 Common Shares and will automatically convert into Class A Common Shares upon transfer to an unaffiliated party.

## /s/ Thomas W. Beetham,

Attorney-in-Fact for Stephen F. 05/29/2018 Mahoney

\*\* 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.

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