

ALNYLAM PHARMACEUTICALS, INC.

Form SC 13G/A

February 11, 2013

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT

TO § 240.13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED

PURSUANT TO § 240.13d-2

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 4)*

Alynlam Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock, par value \$0.01 per share
(Title of Class of Securities)

02043Q107
(CUSIP Number)

December 31, 2012
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page. The information required in the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1 NAMES OF REPORTING PERSONS

Novartis AG

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Switzerland

5 SOLE VOTING POWER

NUMBER OF

SHARES 0
6 SHARED VOTING POWER

BENEFICIALLY

OWNED BY 4,051,002
EACH 7 SOLE DISPOSITIVE POWER

REPORTING

PERSON 0
8 SHARED DISPOSITIVE POWER

WITH

4,051,002
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,051,002
10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

11 ..
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

12 7.7%
TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

CO

1 NAMES OF REPORTING PERSONS

Novartis Pharma AG

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

(a)

(b)

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CO

CUSIP No. 02043Q107

13G

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Item 1(a). Name of Issuer:

Alnylam Pharmaceuticals, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:

300 Third Street

Cambridge, MA 02142

Item 2(a). Name of Person Filing:

Novartis AG

Novartis Pharma AG

Item 2(b). Address of Principal Business Office or, if None, Residence:

Lichtstrasse 35

CH-4002

Basel, Switzerland

Item 2(c). Citizenship:

Novartis AG and Novartis Pharma AG are corporations organized under the laws of Switzerland.

Item 2(d). Title of Class of Securities:

Common Stock, par value \$0.01 per share

Item 2(e). CUSIP Number:

02043Q107

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a) " Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b) " Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c);

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- (c) " Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d) " Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e) " An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
- (f) " An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g) " A parent holding company or control person in accordance with §240.13d-1(b)(ii)(G);
- (h) " A savings association as defined in section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) " A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act (15 U.S.C. 80a-3);
- (j) " A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);
- (k) " Group, in accordance with § 240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution: .

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 4,051,002 ⁽¹⁾.
- (b) Percent of class: 7.7% ⁽¹⁾.
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote: 0.
 - (ii) Shared power to vote or to direct the vote: 4,051,002 ⁽¹⁾.
 - (iii) Sole power to dispose or to direct the disposition of: 0.
 - (iv) Shared power to dispose or to direct the disposition of: 4,051,002 ⁽¹⁾.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

- (1) Novartis Pharma AG is the record and beneficial owner of 4,051,002 shares of Common Stock. Novartis AG, as parent of Novartis Pharma AG, is the indirect beneficial owner of such 4,051,002 shares of Common Stock.

Item 10. Certifications.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 7, 2013

NOVARTIS AG

/s/ Peter Rupprecht
Name: Peter Rupprecht

Title: Authorized Signatory

/s/ Felix Eichhorn
Name: Felix Eichhorn

Title: Authorized Signatory

NOVARTIS PHARMA AG

/s/ Simone Pfirter
Name: Simone Pfirter

Title: Head NIBR General Legal Europe

/s/ Petra Wittlin
Name: Petra Wittlin

Title: Head NIBR Finance Europe