Nussbaum Ran Form 3 December 29, 2017

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement Eloxx Pharmaceuticals, Inc. [SVOND] Nussbaum Ran (Month/Day/Year) 12/19/2017 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) C/O ELOXX (Check all applicable) PHARMACEUTICALS, INC., Â 950 WINTER STREET, 10% Owner _X_ Director 4TH FLOOR NORTH Officer Other (give title below) (specify below) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person WALTHAM, MAÂ 02451 Form filed by More than One Reporting Person

(City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 1 Title of Security 3 4 Nature of Indirect Repeticial

1. Title of Security	2. Amount of Securities	3.	4. Nature of indirect Beneficial
(Instr. 4)	Beneficially Owned	Ownership	Ownership
	(Instr. 4)	Form:	(Instr. 5)
		Direct (D)	
		or Indirect	
		(I)	
		(Instr. 5)	
Common Stock	2,287,937	I	By Pontifax Investment Fund (1)
Common Stock	4,900,249	I	By Pontifax Investment Fund (2)
Common Stock	381,518	I	By Pontifax Investment Fund (3)
Common Stock	783,664	I	By Pontifax Investment Fund (4)
Common Stock	423,703	I	By Pontifax Investment Fund (5)

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

SEC 1473 (7-02)

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

2. Date Exercisable and 3. Title and Amount of 1. Title of Derivative Security 6. Nature of Indirect 4. 5. Beneficial Ownership (Instr. 4) Securities Underlying Ownership **Expiration Date** Conversion (Month/Day/Year) **Derivative Security** or Exercise Form of (Instr. 5) (Instr. 4) Price of Derivative Derivative Security: Date Expiration Security Direct (D) Exercisable Date Amount or or Indirect Title Number of Shares (Instr. 5)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Nussbaum Ran C/O ELOXX PHARMACEUTICALS, INC. 950 WINTER STREET, 4TH FLOOR NORTH WALTHAM, MAÂ 02451

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Signatures

(3)

/s/ Gregory Weaver, Attorney in Fact

12/29/2017

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).

Represents shares of the Issuer held by Pontifax (Cayman) III, L.P. ("Cayman III"). Pontifax Management Fund III L.P. ("Pontifax III") is the general partner of Cayman III. Pontifax Management III G.P. (2011) Ltd. ("Management III") is the general partner of Pontifax III. Mr. Nussbaum is a Managing Partner of Management III. By virtue of this relationship, Mr. Nussbaum may be deemed to share voting and dispositive power with respect to the shares held by Cayman III. Mr. Nussbaum disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest therein, and the inclusion of the shares in this report shall not be deemed to be an admission of beneficial ownership of the reported shares for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise.

Represents shares of the Issuer held by Pontifax (Israel) III, L.P. ("Israel III"). Pontifax III is the general partner of Israel III.

Management III is the general partner of Pontifax III. Mr. Nussbaum is a Managing Partner of Management III. By virtue of this relationship, Mr. Nussbaum may be deemed to share voting and dispositive power with respect to the shares held by Israel III. Mr. Nussbaum disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest therein, and the inclusion of the shares in this report shall not be deemed to be an admission of beneficial ownership of the reported shares for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise.

Represents shares of the Issuer held by Pontifax (Cayman) IV, L.P. ("Cayman IV"). Pontifax IV GP L.P. ("Pontifax IV") is the general partner of Cayman IV. Pontifax Management 4 G.P. (2015) Ltd. ("Management 4") is the general partner of Pontifax IV. Mr. Nussbaum is a Managing Partner of Management 4. By virtue of this relationship, Mr. Nussbaum may be deemed to share voting and dispositive power with respect to the shares held by Cayman IV. Mr. Nussbaum disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest therein, and the inclusion of the shares in this report shall not be deemed to be an admission of beneficial ownership of the reported shares for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise.

Represents shares of the Issuer held by Pontifax (Israel) IV, L.P. ("Israel IV"). Pontifax IV is the general partner of Israel IV.

Management 4 is the general partner of Pontifax IV. By virtue of this relationship, Mr. Nussbaum may be deemed to share voting and dispositive power with respect to the shares held by Israel IV. Mr. Nussbaum disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest therein, and the inclusion of the shares in this report shall not be deemed to be an admission of beneficial ownership of the reported shares for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise.

Reporting Owners 2

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Represents shares of the Issuer held by Pontifax (China) IV, L.P. ("China IV"). Pontifax IV is the general partner of China IV.

Management 4 is the general partner of Pontifax IV. By virtue of this relationship, Mr. Nussbaum may be deemed to share voting and dispositive power with respect to the shares held by China IV. Mr. Nussbaum disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest therein, and the inclusion of the shares in this report shall not be deemed to be an admission of beneficial ownership of the reported shares for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise.

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Remarks:

Exhibit 24 - Power of Attorney. Gregory Weaver, Chief Financial Officer of the Issuer, is signing Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.