

EDELMAN JOSEPH

Form 3

December 13, 2012

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

OMB APPROVAL

OMB
Number: 3235-0104Expires: January 31,
2005Estimated average
burden hours per
response... 0.5**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF
SECURITIES**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
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting
Person *Â PERCEPTIVE ADVISORS
LLC

(Last) (First) (Middle)

499 PARK AVENUE, 25TH
FLOOR,Â

(Street)

NEW YORK,Â NYÂ 10022

(City) (State) (Zip)

2. Date of Event Requiring
Statement(Month/Day/Year)
12/07/20123. Issuer Name **and** Ticker or Trading Symbol

ACELRX PHARMACEUTICALS INC [ACRX]

4. Relationship of Reporting
Person(s) to Issuer5. If Amendment, Date Original
Filed(Month/Day/Year)

(Check all applicable)

____ Director ____X__ 10% Owner
____ Officer ____ Other
(give title below) (specify below)6. Individual or Joint/Group
Filing(Check Applicable Line)
____ Form filed by One Reporting
Person
X Form filed by More than One
Reporting Person**Table I - Non-Derivative Securities Beneficially Owned**1. Title of Security
(Instr. 4)2. Amount of Securities
Beneficially Owned
(Instr. 4)3. Ownership
Form:
Direct (D)
or Indirect
(I)
(Instr. 5)4. Nature of Indirect Beneficial
Ownership
(Instr. 5)

Common Stock

5,008,400

I

See Footnotes (1) (2)Reminder: Report on a separate line for each class of securities beneficially
owned directly or indirectly.

SEC 1473 (7-02)

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information contained in this form are not
required to respond unless the form displays a
currently valid OMB control number.****Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**1. Title of Derivative Security
(Instr. 4)2. Date Exercisable and
Expiration Date
(Month/Day/Year)3. Title and Amount of
Securities Underlying
Derivative Security
(Instr. 4)4. Conversion
or Exercise
Price of
Derivative5. Ownership
Form of
Derivative
Security:6. Nature of Indirect
Beneficial Ownership
(Instr. 5)

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Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
PERCEPTIVE ADVISORS LLC 499 PARK AVENUE, 25TH FLOOR NEW YORK, NY 10022	^	^ X	^	^
PERCEPTIVE LIFE SCIENCES MASTER FUND LTD C/O PERCEPTIVE ADVISORS LLC 499 PARK AVENUE, 25TH FLOOR NEW YORK, NY 10022	^	^ X	^	^
EDELMAN JOSEPH C/O PERCEPTIVE ADVISORS LLC 499 PARK AVENUE, 25TH FLOOR NEW YORK, NY 10022	^	^ X	^	^

Signatures

/s/ Joseph Edelman, managing member of Perceptive Advisors
LLC

12/13/2012

__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).

(1) This Form 3 is being filed by Perceptive Life Science Master Fund Ltd. (the "Master Fund"), Perceptive Advisors LLC (the "Advisor") and Joseph Edelman. The Advisor serves as the investment manager of Master Fund. Mr. Edelman is the managing member of the Advisor.

(2) This amount reflects the amount of securities held by the Master Fund immediately following the transaction requiring the filing of this statement. In accordance with Instruction 5(b)(iv) of Form 3, the entire amount of the Issuer's securities held by Master Fund is reported herein. Each of Mr. Edelman and the Advisor disclaims, for purposes of Section 16 of the Securities Exchange Act of 1934, beneficial ownership of such securities, except to the extent of his/its indirect pecuniary interest therein, and this report shall not be deemed an admission that either Mr. Edelman or the Advisor is the beneficial owner of such securities for purposes of Section 16 or for any other purposes.

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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