
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

**CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): December 16, 2013

ACELRX PHARMACEUTICALS, INC.
(Exact name of registrant as specified in its charter)

DELAWARE
(State of incorporation)

001-35068
(Commission
File No.)

41-2193603
(IRS Employer
Identification No.)

**351 Galveston Drive
Redwood City, CA 94063**
(Address of principal executive offices and zip code)

Registrant's telephone number, including area code: (650) 216-3500

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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ITEM 1.01 ENTRY INTO A MATERIAL DEFINITIVE AGREEMENT.

On December 16, 2013, AcclRx Pharmaceuticals, Inc. (the “Company”) entered into an Amended and Restated Loan and Security Agreement (the “Loan Agreement”) with Hercules Technology II, L.P. and Hercules Technology Growth Capital, Inc. (together, the “Lenders”) under which the Company may borrow up to \$40.0 million in three tranches. The loans are represented by secured convertible term promissory notes (collectively, the “Notes”). The Loan Agreement amends and restates the Loan and Security Agreement between the Company and the Lenders dated as of June 29, 2011 (the “Original Loan Agreement”).

The Company borrowed the first tranche of \$15.0 million upon closing of the transaction on December 16, 2013. The Company used approximately \$8.5 million of the proceeds from the first tranche to repay its obligations under the Original Loan Agreement, and plans to use the proceeds of the remaining tranches to provide additional funding for the commercialization of Zalviso, as a potential source of funding for clinical trials for other development programs in its pipeline and for general corporate purposes. The second tranche of up to \$10.0 million can be drawn, at the Company’s option, anytime prior to June 30, 2014. The third tranche, of up to \$15.0 million, can be drawn at anytime between December 15, 2014 and March 15, 2015, but only if the Company has obtained approval for Zalviso from the U.S. Food and Drug Administration (the “Milestone”). The interest rate for each tranche will be calculated at a rate equal to the greater of either (i) 9.10% plus the prime rate as reported from time to time in The Wall Street Journal minus 5.25%, and (ii) 9.10%. Payments under the Loan Agreement are interest only until April 1, 2015 (which will be extended until January 1, 2016 if the Company achieves the Milestone on or before April 1, 2015) followed by equal monthly payments of principal and interest through the scheduled maturity date on October 1, 2017 (which would be extended until January 1, 2018 if the Company achieves the Milestone on or prior to April 1, 2015) (the “Loan Maturity Date”). In addition, a final payment equal to \$1,700,000 will be due on the Loan Maturity Date, or such earlier date specified in the Loan Agreement. The Company’s obligations under the Loan Agreement are secured by a security interest in substantially all of its assets, other than its intellectual property.

If the Company prepays the loan prior to maturity, it will pay the Lenders a prepayment charge, based on a percentage of the then outstanding principal balance, equal to 3% if the prepayment occurs prior to December 16, 2014, 2% if the prepayment occurs after December 16, 2014, but prior to December 16, 2015, or 1% if the prepayment occurs after December 16, 2015.

Subject to certain conditions and limitations set forth in the Loan Agreement, the Company has the right to convert up to \$5.0 million of scheduled principal installments under the Notes into freely tradeable shares of the Company’s common stock (“Common Stock”). The number of shares of Common Stock that would be issued upon conversion of the Notes would be equal to the number determined by dividing (x) the product of (A) the principal amount to be paid in shares of Common Stock and (B) 103%, by (y) \$9.30 (subject to certain proportional adjustments as provided for in the Loan Agreement).

The Loan Agreement includes customary affirmative and restrictive covenants, but does not include any financial maintenance covenants, and also includes standard events of default, including payment defaults, breaches of covenants following any applicable cure period, a material impairment in the perfection or priority of Lenders’ security interest or in the value of the collateral, and events relating to bankruptcy or insolvency. Upon the occurrence of an event of default, a default interest rate of an additional 5% may be applied to the outstanding loan balances, and the Lenders may declare all outstanding obligations immediately due and payable and take such other actions as set forth in the Loan Agreement.

In connection with the Loan Agreement, the Company issued a warrant to each Lender which together are exercisable for an aggregate of 176,730 shares of Common Stock and each carry an exercise price of \$6.79 (the “Warrants”). Each Warrant may be exercised on a cashless basis. The Warrants are exercisable for a term beginning on the date of issuance and ending on the earlier to occur of seven years from the date of issuance or the consummation of certain acquisitions of the Company as set forth in the Warrants. The number of shares for which the Warrants are exercisable and the associated exercise price are subject to certain proportional adjustments as set forth in the Warrants.

The descriptions of the Loan Agreement and the Warrants contained herein do not purport to be complete and are qualified in their entirety by reference to the complete text of the Loan Agreement and the Warrants, including the exhibits thereto, copies of which will be filed as exhibits to the Company’s Annual Report on Form 10-K for the period ending December 31, 2013.

On December 19, 2013, the Company issued a press release regarding the above transactions, which is attached hereto as Exhibit 99.1 and incorporated herein by reference.

ITEM 2.03 CREATION OF A DIRECT FINANCIAL OBLIGATION OR AN OBLIGATION UNDER AN OFF-BALANCE SHEET ARRANGEMENT OF A REGISTRANT.

The information set forth above and referenced under Item 1.01 that relates to the Loan Agreement and the Notes is hereby incorporated by reference into this Item 2.03.

ITEM 3.02 UNREGISTERED SALES OF EQUITY SECURITIES.

The information set forth above and referenced under Item 1.01 that relates to the issuance of the Warrants and the Notes is hereby incorporated by reference into this Item 3.02.

Neither the Company nor the Lenders engaged any investment advisors with respect to the issuance of the Warrants or the Notes, and no finders' fees were paid to any party in connection therewith. The issuance of the Warrants and the Notes was made in reliance on the exemption from registration contained in Section 4(a)(2) of the Securities Act of 1933, as amended (the "Act").

ITEM 9.01 FINANCIAL STATEMENTS AND EXHIBITS.**(d) Exhibits.**

Exhibit Number	Description
99.1	Press Release titled "AcelRx Secures \$40 Million Credit Facility with Hercules Technology Growth Capital," dated as of December 19, 2013.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: December 19, 2013

ACELRX PHARMACEUTICALS, INC.

By: /s/ James H. Welch
James H. Welch
Chief Financial Officer

INDEX TO EXHIBITS

**Exhibit
Number**

Description

99.1 Press Release titled "AcelRx Secures \$40 Million Credit Facility with Hercules Technology Growth Capital," dated as of December 19, 2013.



FOR IMMEDIATE RELEASE

AcelRx Secures \$40 Million Credit Facility with Hercules Technology Growth Capital

REDWOOD CITY, Calif., December 19, 2013 – AcelRx Pharmaceuticals, Inc. (Nasdaq: ACRX), a specialty pharmaceutical company focused on the development and commercialization of innovative therapies for the treatment of acute and breakthrough pain, today announced that it has entered into a new amended and restated credit facility with Hercules Technology Growth Capital, Inc. (NYSE: HTGC) that extends AcelRx's current relationship with Hercules, which was established in June 2011. The new Hercules credit facility provides for up to \$40 million of new loans.

"The proceeds from this credit facility provide AcelRx with additional operating capital and contingency funding for our commercialization activities as we continue to prepare for the launch, if approved, of Zalviso™," stated Richard King, president and CEO of AcelRx. "These proceeds also provide the financial flexibility to fund additional pipeline development programs should we decide to advance any of our pipeline opportunities forward. We appreciate the support of Hercules, and its confidence in Zalviso™ and the AcelRx management team."

AcelRx drew the first tranche of \$15 million at the closing of the new credit facility. AcelRx applied approximately \$8.5 million of the proceeds to repay its outstanding obligations under the prior credit facility with Hercules. This repayment eliminated approximately \$8.5 million of remaining scheduled principal payments in 2014. The second tranche of up to \$10 million can be drawn, at AcelRx's option, at any time prior to June 30, 2014. The third tranche of up to \$15 million is conditioned upon the approval of Zalviso by the U.S. Food and Drug Administration (FDA), and if approved, can be drawn at AcelRx's option, at any time between December 15, 2014 and March 15, 2015. AcelRx plans to use the proceeds of the remaining tranches to provide additional funding for the commercialization of Zalviso and as a potential source of funding for clinical trials for other development programs in its pipeline, and for general corporate purposes.

General terms of the loan agreement include interest-only payments for 15 months until April 1, 2015, with the possibility of extending the interest-only period to two years until January 1, 2016, if the FDA approves Zalviso on or prior to April 1, 2015. Following the interest-only period, AcelRx will repay the loans in equal monthly payments of principal and interest through the scheduled maturity date on October 1, 2017 (which would be extended until January 1, 2018 if the Company obtains FDA approval of Zalviso on or prior to April 1, 2015). Further information with respect to the loan arrangement with Hercules, is contained in a Current Report on Form 8-K to be filed on December 19, 2013 by AcelRx with the Securities and Exchange Commission.

About AcelRx Pharmaceuticals, Inc.

AcelRx Pharmaceuticals, Inc. is a specialty pharmaceutical company focused on the development and commercialization of innovative therapies for the treatment of acute and breakthrough pain. AcelRx's lead product candidate, Zalviso™, is designed to solve the problems associated with post-operative intravenous patient-controlled analgesia which has been shown to cause harm to patients following surgery because of the side effects of morphine, the invasive IV route of delivery and the complexity of infusion pumps. AcelRx has announced positive results from each of the three completed Phase 3 clinical trials for Zalviso, and has submitted an NDA to the FDA seeking approval for Zalviso in the treatment of moderate-to-severe acute pain in adult patients in the hospital setting. AcelRx has also announced positive top-line results for a Phase 2 trial for ARX-04, a product candidate for the treatment of moderate-to-severe acute pain in a medically supervised setting, funded through a grant from the U.S. Army Medical Research and Materiel Command. The company has two additional pain treatment product candidates, ARX-02 and ARX-03, which have completed Phase 2 clinical development. For additional information about AcelRx's clinical programs, please visit www.acelrx.com.

Forward Looking Statements

This press release contains forward-looking statements, including, but not limited to, statements related to AcelRx Pharmaceuticals' financial viability, the sufficiency of funds to support its clinical and development program and operations, planned or anticipated future clinical development of AcelRx Pharmaceuticals' product candidates, the therapeutic and commercial potential of Zalviso and the anticipated timing, therapeutic and commercial potential of other AcelRx product candidates, and statements related to future events under the credit facility with Hercules, including its ability to access the third tranche funds under such facility. These forward-looking statements are based on AcelRx's current expectations and inherently involve significant risks and uncertainties. AcelRx's actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties, which include, without limitation, risks related to: AcelRx's ability to receive regulatory approval for Zalviso; any delays or inability to obtain and maintain regulatory approval of its product candidates, including Zalviso, in the United States and Europe; its ability to attract funding partners or collaborators with development, regulatory and commercialization expertise; its ability to obtain sufficient financing to commercialize Zalviso; the market potential for its product candidates; the accuracy of AcelRx's estimates regarding expenses, capital requirements and needs for financing; AcelRx's ability to satisfy the conditions required to access the third tranche funds under the credit facility with Hercules, extend the interest-only period or maturity date under such facility; and other risks detailed in the "Risk Factors" and elsewhere in AcelRx's U.S. Securities and Exchange Commission filings and reports, including its Quarterly Report on Form 10-Q filed with the SEC on November 5, 2013. AcelRx undertakes no duty or obligation to update any forward-looking statements contained in this release as a result of new information, future events or changes in its expectations.

Contact:

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