

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No. 4)

PRO-PHARMACEUTICALS, INC.

(Name of Issuer)

Common Stock, \$.001 par value

(Title of Class of Securities)

74267T109

(CUSIP Number)

December 31, 2004

(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)

1 NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

James C. Czirr

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

4,758,768

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER

29,400

7 SOLE DISPOSITIVE POWER

4,758,768

8 SHARED DISPOSITIVE POWER

29,400

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,788,168

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

17.5%

12 TYPE OF REPORTING PERSON

IN

The Statement on Schedule 13G, dated January 16, 2002, filed by James C. Czirr, as amended by Amendment No. 1, dated February 7, 2003, Amendment No. 2, dated February 11, 2004 and Amendment No. 3 dated August 23, 2004, is hereby amended and restated in its entirety to read as follows:

Item 1 (a). Name of Issuer:

Pro-Pharmaceuticals, Inc.

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

189 Wells Avenue
Newton, MA 02459

Item 2 (a). Name of Person Filing:

James C. Czirr

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

425 Janish Drive
Sandpoint, ID 83864

Item 2 (c). Citizenship:

United States

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

Common Stock, \$.001 par value

Item 2 (e). CUSIP Number:

74267T109

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under Section 15 of the Exchange Act.
- (b) Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c) Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d) Investment company registered under Section 8 of the Investment Company Act.
- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
- (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
- (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.
- (j) Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

Not Applicable

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: 4,788,168
- (b) Percent of class: 17.5**
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or direct the vote: 4,758,768
 - (ii) Shared power to vote or to direct the vote: 29,400*
 - (iii) Sole power to dispose or to direct the disposition of: 4,758,768
 - (iv) Shared power to dispose or to direct the disposition of: 29,400*

* Shares owned by minor children of Mr. Czirr, as to which Mr. Czirr disclaims beneficial ownership.

** Based on 27,315,411 shares outstanding as of December 31, 2004.

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

Not Applicable

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

Item 10. Certification.

Not Applicable

SIGNATURE

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.

Date: February 10, 2005

/s/ James C. Czirr

James C. Czirr