

ACADIA PHARMACEUTICALS INC  
Form SC 13G/A  
February 06, 2007

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549  
**SCHEDULE 13G/A**

**Under the Securities Exchange Act of 1934**  
**(Amendment No. 1)\***

**Acadia Pharmaceuticals Inc.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**US0042251084**

(CUSIP Number)

**December 31, 2006**

(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.  
Sepracor Inc.

I.R.S. Identification Nos. of above persons (entities only)  
22-2536587

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  
Delaware

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
1,890,422 shares

6. Shared Voting Power  
0 shares

7. Sole Dispositive Power  
1,890,422 shares

8. Shared Dispositive Power  
0 shares

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
1,890,422

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9)  
6.3%

12. Type of Reporting Person (See Instructions)  
CO

Item 1.

- (a) Name of Issuer  
Acadia Pharmaceuticals Inc. (the Issuer )
- (b) Address of Issuer's Principal Executive Offices  
3911 Sorrento Valley Boulevard  
San Diego, CA 92121

Item 2.

- (a) Name of Person Filing  
Sepracor Inc.
- (b) Address of Principal Business Office or, if none, Residence  
84 Waterford Drive  
Marlborough, MA 01752
- (c) Citizenship  
Delaware corporation
- (d) Title of Class of Securities  
Common Stock, par value \$0.0001 per share (the Common Stock ).
- (e) CUSIP Number  
US0042251084

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).
  - (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)(1)(ii)(G);
  - (h)  A savings associations 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 of 1940 (15 U.S.C. 80a-3);
  - (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Item 4. Ownership

- (a) Amount beneficially owned:  
1,890,422 shares of Common Stock
- (b) Percent of class:  
6.3%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote  
1,890,422 shares of Common Stock
  - (ii) Shared power to vote or to direct the vote  
0 shares
  - (iii) Sole power to dispose or to direct the disposition of  
1,890,422 shares of Common Stock
  - (iv) Shared power to dispose or to direct the disposition of  
0 shares

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  O.

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

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.

**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.

**SEPRACOR INC.**

January 29, 2007  
Date

/s/ Robert F. Scumaci  
Signature

Robert F. Scumaci  
Executive Vice President,  
Finance and Administration, and Treasurer  
Name/Title

5

---