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.				
		Common Stock		
		(Title of Class of Securities)		
		US0042251084		
		(CUSIP Number)		
		December 31, 2006		
		(Date of Event Which Requires Filing of this Statement)		
Check the app	propriate box to desig	gnate the rule pursuant to which this Schedule is filed:		
0	Rule 13d-1(b)			
X	Rule 13d-1(c)			
0	Rule 13d-1(d)			
and t The Exch	for any subsequent as information required	over page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, mendment containing information which would alter the disclosures provided in a prior cover page. In the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.		
1.	Names of Reporting	g 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) o			
	(b) o			
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) o				
11.	Percent of Class Represented by Amount in Row (9) 6.3%				
12.	Туре СО	Type of Reporting Person (See Instructions) CO			
			2		
Item 1.	(a)	Name of Issue	r		
	(4)		aceuticals Inc. (the "Issuer")		
	(b)		uer's Principal Executive Offices Valley Boulevard A 92121		
Item 2.					
item 2.	(a)	(a) Name of Person Filing Sepracor Inc.			
	(b)				
	(c) Citizenship Delaware corporation		oration		
	(d) Title of Class of Securities Common Stock, par value \$0.0001 per share (the "Common Stock").		k, par value \$0.0001 per share (the "Common Stock").		
	(e)	(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)	o Broker	or dealer registered under section 15 of the Act (15 U.S.C. 780).		
	(b)	o Bank as	s defined in section 3(a)(6) of the Act (15 U.S.C. 78c).		
	(c)	o Insuran	ice company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).		
	(d)	o Investn	nent company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).		
	(e)	o An inve	estment adviser in accordance with §240.13d-1(b)(1)(ii)(E);		
	(f)	o An emp	ployee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);		
	(g)	o A parei	nt holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);		
	(h)	o A savir	ngs associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);		

A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company (i) Act of 1940 (15 U.S.C. 80a-3); Group, in accordance with §240.13d-1(b)(1)(ii)(J). (j) 3 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 Shared power to dispose or to direct the disposition of 0 shares 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. Ownership of More than Five Percent on Behalf of Another Person Not Applicable Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person Not Applicable Identification and Classification of Members of the Group Not Applicable

Notice of Dissolution of Group

Not Applicable

Item 4.

Item 5.

Item 6.

Item 7.

Item 8.

Item 9.

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.

SignatureAfter 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