UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

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

		Acadia Pharmaceuticals Inc.
		(Name of Issuer)
		Common Stock
		(Title of Class of Securities)
		US0042251084
		(CUSIP Number)
		January 10, 2005
		(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)	
\boxtimes	Rule 13d-1(c)	
0	Rule 13d-1(d)	
		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.
Excl		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.
CUSIP No. U	JS0042251084 Names of Reporting Sepracor Inc. 22-2536587	g Persons. I.R.S. Identification Nos. of above persons (entities only)
2.	Check the Appropri	iate 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	5.	Sole Voting Power 1,077,029 shares
Beneficially Owned by Each Reporting	6.	Shared Voting Power 0 shares
Person With	7.	Sole Dispositive Power 1,077,029 shares

		8.	Shared Dispositive Power 0 shares			
9.		ggregate Amount Beneficially Owned by Each Reporting Person 077,029				
10.	Che	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o				
11.	1. Percent of Class Represented by Amount in Row (9) 6.4%					
12.	Type of Reporting Person (See Instructions)					
			2	_		
T. 4						
Item 1.	(a)	Name of l Acadia Pl	ssuer narmaceuticals Inc. (the "Issuer")			
	(b)	3911 Sorr	of Issuer's Principal Executive Offices ento Valley Boulevard o, CA 92121			
Item 2.	(a)		Person Filing			
		Sepracor				
	(b)	84 Waterf	of Principal Business Office or, if none, Residence ford Drive ord Drive orgh, MA 01752			
	(c)	Citizenship Delaware corporation				
	(d)	d) Title of Class of Securities Common Stock, par value \$0.0001 per share (the "Common Stock").				
	(e)	(e) CUSIP Number US0042251084.				
Item 3.	If thi	is statemen	t is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:			
	(a)	o Br	oker or dealer registered under section 15 of the Act (15 U.S.C. 780).			
	(b)	o Ba	nk as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).			
	(c)	o Ins	surance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).			
	(d)	o Inv	vestment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).			
	(e)	o Ar	investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);			
	(f)	o Ar	employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);			
	(g)	o A	parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);			
	(h)	o A	sayings associations as defined in Section 3(b) of the Federal Denosit 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)	0	Group, in accordance with §240.13d-1(b)(1)(ii)(J).			
			3			
Item 4.		nership				
Provide the	followi	ng infor	mation regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.			
	(a)					
		1,077	7,029 shares of Common Stock			
	(b)	Perce	ent of class:			
	,	6.4%				
	(c)	Numl	ber of shares as to which the person has:			
		(i)	Sole power to vote or to direct the vote			
			1,077,029 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 1,077,029 shares of Common Stock			
		(iv)	Shared power to dispose or to direct the disposition of 0 shares			
Item 5.	Ow	nership	of Five Percent or Less of a Class			
	If th	is stater	ment 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 recent of the class of securities, check the following o.			
Item 6.	Ow	Ownership of More than Five Percent on Behalf of Another Person				
	Not	Applica	able			
Item 7.		Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person				
	Not	Applica	able			
Item 8.	Ide	ntificati	on and Classification of Members of the Group			
	Not	Applica	able			
Item 9.	Not	ice of D	sissolution of Group			
	Not	Applica	able			

Certification

Item 10.

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

	January 19, 2005
	Date
	SEPRACOR INC.
-	Signature
	Robert F. Scumaci
	Executive Vice President,
	Finance and Administration,
	and Treasurer
-	Name/Title