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

SCHEDULE 13G Under the Securities Exchange Act of 1934

> Acadia Pharmaceuticals Inc. (Name of Issuer)

Common Stock (Title of Class of Securities)

> US0042251084 (CUSIP Number)

May 26, 2004

	May 20, 2004
(Da	te of Event Which Requires Filing of this Statement)
Check the approp is filed:	riate box to designate the rule pursuant to which this Schedule
[x] Rule 13d-1(b	)
[ ] Rule 13d-1(c	)
[ ] Rule 13d-1(d	)
initial filing of for any subseque	f this cover page shall be filled out for a reporting person's n this form with respect to the subject class of securities, and nt amendment containing information which would alter the ided in a prior cover page.
to be "filed" fo 1934 ("Act") or	required in the remainder of this cover page shall not be deemed r the purpose of Section 18 of the Securities Exchange Act of otherwise subject to the liabilities of that section of the Act ject to all other provisions of the Act (however, see the
	CUSIP No. US0042251084
	of Reporting Persons. I.R.S. Identification Nos. of above s (entities only).
OrbiMe	d Advisors LLC
2. Check th	e Appropriate Box if a Member Of a Group (See Instructions)
[ ] (a [ ] (b	
3. SEC Us	e Only
4. Citize	nship or Place of Organization
Delawa	re
5. Sole Vot	ing Power: 0
Number of Shares Beneficially	6. Shared Voting Power: 621,606
Owned by Each Reporting	7. Sole Dispositive Power: 0
Person With	8. Shared Dispositive Power: 621,606

11. Percent of Class Represented by Amount in Row (9) 3.69%

12. Type of Reporting Person (See Instructions) IA

Instructions)

Aggregate Amount Beneficially Owned by Each Reporting Person 621,606

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

1.	Names of Reporting Persons.		
	I.R.S. Identification Nos. of above persons	(entities	only).
	OrbiMed Capital LLC		

- 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

5. Sole Voting Power: 0

Number of Shares 6. Shared Voting Power: 414,403 Beneficially Owned by 7. Sole Dispositive Power: 0

Each Reporting

Person With 8. Shared Dispositive Power: 414,403

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 414,403
- Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
- 11. Percent of Class Represented by Amount in Row (9) 2.46%
- 12. Type of Reporting Person (See Instructions) IA

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).
	Samuel D. Isaly
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

United States

5. Sole Voting Power: 0

Number of Shares

6. Shared Voting Power: 1,036,009

Beneficially

Owned by

7. Sole Dispositive Power: 0

Each Reporting Person With

8. Shared Dispositive Power: 1,036,009

- Aggregate Amount Beneficially Owned by Each Reporting Person: 1,036,009
- Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)
- 11. Percent of Class Represented by Amount in Row (9) 6.15%
- 12. Type of Reporting Person (See Instructions) HC

- Item 1. (a) Issuer: Acadia Pharmaceuticals Inc.
  - 1. Address:

3911 Sorrento Valley Blvd. San Diego, CA 92121

Item 2. (a) Name of Person Filing:
OrbiMed Advisors LLC
OrbiMed Capital LLC
Samuel D. Isaly

(b) Address of Principal Business Offices:

767 Third Avenue, 30th Floor New York, New York 10017

- (c) Citizenship:
- (d) Title of Class of Securities Common stock

(e) CUSIP Number: US0042251084

Please refer to Item 4 on each cover sheet for each filing person

Item 3. OrbiMed Advisors LLC and OrbiMed Capital LLC are investment advisors in accordance with ss.240.13d-1(b)(1)(ii)(E). Samuel D. Isaly is a control person in accordance with ss.240.13d-1(b)(1)(ii)(G).

Item 4. Ownership

Please see Items  ${\bf 5}$  -  ${\bf 9}$  and  ${\bf 11}$  for each cover sheet for each filing separately

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.

Reporting persons are holding 6.15% (3.69% in the case of OrbiMed Advisors LLC and 2.46% in the case of OrbiMed Capital LLC) of the securities on behalf of other persons who have the right to receive or the power to direct the receipt of dividends from, or proceeds from sale of, such securities. No one such other person's interest in the securities whose ownership is reported here relates to more than five percent of the class.

OrbiMed Advisors LLC and OrbiMed Capital LLC hold shares on behalf of Eaton Vance Worldwide Health Sciences (621,606 shares) and Finsbury Worldwide Pharmaceutical Trust (414,403 shares).

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

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 acquired and held in the ordinary course of business and 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.

Date: September 2, 2004

OrbiMed Advisors LLC

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly

Title: President

OrbiMed Capital LLC

By: /s/ Samuel D. Isaly
Name: Samuel D. Isaly
Title: Managing Member

By: /s/ Samuel D. Isaly
Name: Samuel D. Isaly

#### JOINT FILING AGREEMENT

The undersigned hereby agree that the Statement on this Schedule 13G, dated May 26, 2004, (the "Schedule 13G"), with respect to the Common Stock, \$0.0001 par value per share, of Acadia Pharmaceuticals Inc. is filed on behalf of each of us pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities and Exchange Act of 1934, as amended, and that this Agreement shall be included as an Exhibit to this Schedule 13G. Each of the undersigned agrees to be responsible for the timely filing of the Schedule 13G, and for the completeness and accuracy of the information concerning itself contained therein. This Agreement may be executed in any number of counterparts, all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned have executed this Agreement as of the 2nd day of September 2004.

OrbiMed Advisors LLC

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly

Title: President

OrbiMed Capital LLC

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly

Title: Managing Member

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly

### Statement of Control Person

The Statement on this Schedule 13G dated May 26, 2004 with respect to the common stock \$0.0001 par value per share of Acadia Pharmaceuticals Inc. is filed by Samuel D. Isaly in accordance with the provisions of Rule 13d-1(b) and Rule 13d-1(k), respectively, as a control person (HC) of OrbiMed Advisors LLC and OrbiMed Capital LLC.

OrbiMed Advisors LLC and OrbiMed Capital LLC file this statement on Schedule 13G in accordance with the provisions of Rule 13d-1(b) and Rule 13d-1(k), respectively, as investment advisors (IA).