

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

ALEXION PHARMACEUTICALS, INC.
(Name of Issuer)

Common Stock
(Title of Class of Securities)

0015351109
(CUSIP Number)

January 29, 1999
(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 disclosures provided in a prior cover page.

The information required on 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).

CUSIP No. 0015351109

- (1) Name of Reporting Person
S.S. or I.R.S. Identification No. of Above Person
OrbiMed Advisers Inc.

- (2) Check the Appropriate Box if a Member of Group (See Instructions)
 (a)
 (b)

- (3) SEC Use Only

- (4) Citizenship or Place of Organization British Virgin Islands

Number of Shares Beneficially Owned by Each Reporting Person With	(5)	Sole Voting Power	0
	(6)	Shared Voting Power	750,500
	(7)	Sole Dispositive Power	0

(8) Shared Dispositive Power 750,500

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
750,500

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

(11) Percent of Class Represented by Amount in Row (9)
6.7%

(12) Type of Reporting Person (See Instructions) IA

CUSIP No. 0015351109

(1) Name of Reporting Person
S.S. or I.R.S. Identification No. of Above Person
Worldwide Health Sciences Portfolio

(2) Check the Appropriate Box if a Member of Group (See Instructions)
 (a)
 (b)

(3) SEC Use Only

(4) Citizenship or Place of Organization New York

Number of	(5)	Sole Voting Power	0
Shares			
Beneficially			
Owned by	(6)	Shared Voting Power	750,500
Each			-
Reporting			
Person	(7)	Sole Dispositive Power	0
With			
	(8)	Shared Dispositive Power	750,500

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
750,500

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

(11) Percent of Class Represented by Amount in Row (9)
6.7%

(12) Type of Reporting Person (See Instructions) IV

CUSIP No. 0015351109

(1) Name of Reporting Person
S.S. or I.R.S. Identification No. of Above Person
OrbiMed Advisors LLC

(2) Check the Appropriate Box if a Member of Group (See Instructions)
 (a)
 (b)

(3) SEC Use Only

(4) Citizenship or Place of Organization Delaware

Number of	(5)	Sole Voting Power	0
Shares			
Beneficially			
Owned by	(6)	Shared Voting Power	750,500
Each			-
Reporting			
Person	(7)	Sole Dispositive Power	0
With			
	(8)	Shared Dispositive Power	750,500

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
750,500

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

(11) Percent of Class Represented by Amount in Row (9)
6.7%

(12) Type of Reporting Person (See Instructions) CO

CUSIP No. 0015351109

(1) Name of Reporting Person
S.S. or I.R.S. Identification No. of Above Person
Caduceus Capital Trust

(2) Check the Appropriate Box if a Member of Group (See Instructions)
 (a)
 (b)

(3) SEC Use Only

(4) Citizenship or Place of Organization Bermuda

Number of	(5)	Sole Voting Power	0
Shares			
Beneficially			
Owned by	(6)	Shared Voting Power	750,500
Each			-
Reporting			
Person	(7)	Sole Dispositive Power	0
With			
	(8)	Shared Dispositive Power	750,500

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
750,500

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

(11) Percent of Class Represented by Amount in Row (9)
6.7%

(12) Type of Reporting Person (See Instructions) OO

CUSIP No. 0015351109

(1) Name of Reporting Person
S.S. or I.R.S. Identification No. of Above Person
Finsbury Worldwide Pharmaceutical Trust

(2) Check the Appropriate Box if a Member of Group (See Instructions)
 (a)
 (b)

(3) SEC Use Only

(4) Citizenship or Place of Organization United Kingdom

Number of	(5)	Sole Voting Power	0
Shares			
Beneficially			
Owned by	(6)	Shared Voting Power	750,500
Each			-
Reporting			
Person	(7)	Sole Dispositive Power	0
With			
	(8)	Shared Dispositive Power	750,500

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
750,500

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

(11) Percent of Class Represented by Amount in Row (9)
6.7%

(12) Type of Reporting Person (See Instructions) OO

CUSIP No. 0015351109

(1) Name of Reporting Person
S.S. or I.R.S. Identification No. of Above Person
PHARMA/wHEALTH

(2) Check the Appropriate Box if a Member of Group (See Instructions)
 (a)
 (b)

(3) SEC Use Only

(4) Citizenship or Place of Organization Luxembourg

Number of Shares Beneficially Owned by Each Reporting Person With	(5)	Sole Voting Power	0
	(6)	Shared Voting Power	750,500
	(7)	Sole Dispositive Power	0
	(8)	Shared Dispositive Power	750,500

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
750,500

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

(11) Percent of Class Represented by Amount in Row (9)
6.7%

(12) Type of Reporting Person (See Instructions) OO

- Item 1. Issuer
- (a) Alexion Pharmaceuticals, Inc.
 - (b) 25 Science Park
New Haven, CT 06511
- Item 2. Persons Filing
- (a) Name of Persons Filing:

OrbiMed Advisers Inc.
OrbiMed Advisers LLC
Worldwide Health Sciences Portfolio
Finsbury Worldwide Pharmaceutical Trust
Caduceus Trust
PHARMA/WHEALTH
 - (b) Address of Principal Offices:
c/o OrbiMed Advisers Inc.
767 Third Avenue, 6th Floor
New York, New York 10010
 - (c) Citizenship:

Please refer to Item 4 on each cover sheet for each
filing person
 - (d) Title of Class of Securities:

Common Stock
 - (e) CUSIP Number: 0015351109
- Item 3. Not Applicable
- Item 4. Ownership
- Please see Items 5, 6, 7, 8, 9, and 11 for each
cover sheet for each filing entity.
- 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

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.

Date: February 12, 1999

ORBIMED ADVISERS INC.

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly
Title: President

ORBIMED ADVISORS LLC

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly
Title: Managing Member

WORLDWIDE HEALTH SERVICES
PORTFOLIO

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly
Title: Director

CADUCEUS CAPITAL TRUST

By: /s/ Deborah O'Donnel

Name: Deborah O'Donnel
Title: Secretary

FINSBURY WORLDWIDE
PHARMACEUTICAL TRUST

By: /s/ Samuel D. Isaly

Name: Samuel D. Isaly
Title: Director

PHARMA/wHEALTH

By:/s/ Samuel D. Isaly

Name: Samuel D. Isaly
Title: Director