#### ALEXION PHARMACEUTICALS INC

Form SC 13G/A February 11, 2008

SECURITIES & EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G\* (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2(b)

(Amendment No. 1)

Alexion Pharmaceuticals, Inc. (Name of Issuer)

Common Stock, par value \$.0001 (Title of Class of Securities)

015351109 (CUSIP Number)

December 31, 2007 (Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

- [ ] Rule 13d-1(b)
- [X] Rule 13d-1(c)
- [ ] Rule 13d-1(d)

(Page 1 of 11 Pages)

\*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 purposes 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. 015351109

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(1)	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) Adage Capital Partners, L.P.						
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	**		[ ] [X]			
(3)	SEC USE ONLY						
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware						
NUMBER OF SHARES	(5) SOLE VOTING POWER -0-						
BENEFICIALL OWNED BY	Y (6) SHARED VOTING POWER 900,000						
EACH REPORTING	(7) SOLE DISPOSITIVE POWER -0-						
PERSON WITH	(8) SHARED DISPOSITIVE POWER 900,000						
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 900,000						
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES **			[ ]			
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9	∍)					
(12)	TYPE OF REPORTING PERSON ** PN						
	** SEE INSTRUCTIONS BEFORE FILLING OUT!						
CUSIP No.	015351109 13G/A E	ege?	3 of 1	.1 Pages			
(1)	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) Adage Capital Par	ctner	s GP,	L.L.C.			
	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUE		(a) (b)	[ ] [X]			

(3) SEC USE ONLY

(4)	CIT	'IZENS	SHIP OR De	PLACE laware		RGANIZ	ATION				
NUMBER OF		(5)	SOLE VC	TING F	OWER						
SHARES							-0-				
BENEFICIALL	Y	(6)	SHARED	VOTING	F POWE	lR	900,000				
OWNED BY		(7)									
EACH		( / )	SOLE DI	SPOSI1	IVE F	OWER	-0-				
REPORTING											
PERSON WITH		(8)	SHARED	DISPOS	SITIVE	E POWE	900 <b>,</b> 000				
(9)			E AMOUN			ALLY C	WNED				
			REPORTI				900,000				
(10)	CHE	CK BC	X IF TH	IE AGGF	REGATE		NT RES **				[ ]
(11)			OF CLAS				2.4%				
(12)	TYP	E OF	REPORTI	NG PEF	RSON *	*					
			** SEE	INSTRU	JCTION	IS BEF	ORE FILI	LING OUT	Γ!		
CUSIP No.	0153	51109	)		1	.3G/A			Page	4 of	11 Pages
(1)	I.R	.s. I	REPORT DENTIFI PERSON	CATION	NO.	ONLY	') Adage Ca	apital A	Adviso	rs, L.	L.C.
(2)	CHE	CK TH	IE APPRC	PRIATE	BOX	IF A	MEMBER (	OF A GRO	OUP **		[ ] [X]
(3)	SEC	USE	ONLY								
(4)	CIT	'IZENS	SHIP OR	PLACE Delaw			ATION				
NUMBER OF		(5)	SOLE VC	TING F	OWER		-0-				
BENEFICIALL'	Y	(6)	SHABED	V∩TTNC	D OME	IR					

900,000 OWNED BY EACH (7) SOLE DISPOSITIVE POWER -0-REPORTING PERSON WITH (8) SHARED DISPOSITIVE POWER 900,000 (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 900,000 (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES \*\* \_\_\_\_\_ (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.4% (12) TYPE OF REPORTING PERSON \*\* 00 \*\* SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No.	0153	35110	9 13G	/A	Page	5 (	of 1	1 Pages	
(1)	IDE	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) Robert Atchinson							
(2)	CHE	CK T	HE APPROPRIATE BOX I	F A MEMBER OF A GRO	UP **		. ,	[ ] [X]	
(3)	SEC	USE	ONLY						
(4)	CIT	IZEN	SHIP OR PLACE OF ORG United States						
NUMBER OF		(5)	SOLE VOTING POWER	-0-					
	LY	(6)	SHARED VOTING POWER	900,000					
OWNED BY		(7)	COLE DISPOSITIVE DO	MED					
EACH REPORTING			SOLE DISPOSITIVE PO	-0-					

PERSON WITH	(8)	SHARED DISPOSITIVE	POWER 900,000			
(9)		TE AMOUNT BENEFICIAL REPORTING PERSON	900,000			
(10)		OX IF THE AGGREGATE . (9) EXCLUDES CERTAIN				[ ]
(11)		OF CLASS REPRESENTE NT IN ROW (9)	2.4%			
(12)	TYPE OF	REPORTING PERSON **	IN			
		** SEE INSTRUCTIONS	BEFORE FILLING OUT	!		
CUSIP No.	01535110	9 13G	/A	Page 6	of 1:	l Pages
(1)	I.R.S.	F REPORTING PERSONS IDENTIFICATION NO. E PERSONS (ENTITIES	ONLY) Phillip Gross			
(2)	CHECK T	HE APPROPRIATE BOX I	F A MEMBER OF A GRO	 UP **	(a) (b)	
(3)	SEC USE	ONLY				
(4)	CITIZEN	SHIP OR PLACE OF ORG. United States	ANIZATION			
NUMBER OF SHARES	(5)	SOLE VOTING POWER	-0-			
BENEFICIALL OWNED BY	Y (6)	SHARED VOTING POWER	900,000			
EACH	(7)	SOLE DISPOSITIVE PO	WER -0-			
REPORTING	(0)		DOWER			
PERSON WITH	(8)	SHARED DISPOSITIVE	900,000			
(9)		TE AMOUNT BENEFICIAL REPORTING PERSON				
(10)		OX IF THE AGGREGATE . (9) EXCLUDES CERTAIN				[ ]

(11) PERCENT OF CLASS REPRESENTED
BY AMOUNT IN ROW (9)
2.4%

(12) TYPE OF REPORTING PERSON \*\*
IN

\*\* SEE INSTRUCTIONS BEFORE FILLING OUT!

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Item 1(a). Name of Issuer:

The name of the issuer is Alexion Pharmaceuticals, Inc. (the "Company").

Item 1(b). Address of Issuer's Principal Executive Offices:

The Company's principal executive offices are located at 352 Knotter Drive, Cheshire, CT 06410

Item 2(a). Name of Person Filing:

This statement is filed by:

- (i) Adage Capital Partners, L.P., a Delaware limited partnership ("ACP"), with respect to the shares of Common Stock directly owned by it;
- (ii) Adage Capital Partners GP, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACPGP"), as general partner of ACP with respect to the shares of Common Stock directly owned by ACP;
- (iii) Adage Capital Advisors, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACA"), as managing member of ACPGP, general partner of ACP, with respect to the shares of Common Stock directly owned by ACP;
- (iv) Phillip Gross ("Mr. Gross"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP; and
- (v) Robert Atchinson ("Mr. Atchinson"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP.

The foregoing persons are hereinafter collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

Item 2(b). Address of Principal Business Office or, if None, Residence:

The address of the business office of each of the Reporting Persons is 200 Clarendon Street, 52nd Floor, Boston, Massachusetts 02116.

Item 2(c). Citizenship:

ACP is a limited partnership organized under the laws of the State of Delaware. ACPGP and ACA are limited liability companies organized under the laws of the State of Delaware. Messrs. Gross and Atchinson are citizens of the United States.

Item 2(d). Title of Class of Securities:

Common Stock, par value \$.0001 (the "Common Stock")

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Item 2(e). CUSIP Number:

015351109

Item 3. If this statement is filed pursuant to Rules 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:

- (a) [ ] Broker or dealer registered under Section 15 of the Act,
- (b) [ ] Bank as defined in Section 3(a)(6) of the Act,
- (c) [ ] Insurance Company as defined in Section 3(a)(19) of the  $\operatorname{Act}$ ,
- (d) [ ] Investment Company registered under Section 8 of the Investment Company Act of 1940,
- (e) [ ] Investment Adviser in accordance with Rule 13d-1 (b) (1) (ii) (E),
- (f) [ ] Employee Benefit Plan or Endowment Fund in accordance with 13d-1 (b) (1) (ii) (F),
- (g) [ ] Parent Holding Company or control person in accordance with Rule 13d-1 (b) (1) (ii) (G),
- (h) [ ] Savings Association as defined in Section 3(b) of the Federal Deposit Insurance Act,
- (i) [ ] Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940,
- (j) [ ] Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to 13d-1(c), check this box: [x]

Item 4. Ownership.

- A. Adage Capital Partners, L.P., Adage Capital Partners GP, L.L.C. and Adage Capital Advisors, L.L.C.
  - (a) Amount beneficially owned: 900,000
  - (b) Percent of class: 2.4% The percentages used herein and in

the rest of Item 4 are based on 37,592,344 shares of Common Stock reported to be outstanding as of November 2, 2007, as reflected in the Form 10-K filed by the Company on November 9, 2007.

- (c)(i) Sole power to vote or direct the vote: -0-
  - (ii) Shared power to vote or direct the vote: 900,000
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 900,000

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ACP has the power to dispose of and the power to vote the shares of Common Stock beneficially owned by it, which power may be exercised by its general partner, ACPGP. ACA, as managing member of ACPGP, directs ACPGP's operations. Neither ACPGP nor ACA own directly any shares of Common Stock. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934 (the "Act"), ACPGP and ACA may be deemed to own beneficially the shares owned by ACP.

- B. Robert Atchinson and Phillip Gross
  - (a) Amount beneficially owned: 900,000
  - (b) Percent of class: 2.4%
  - (c)(i) Sole power to vote or direct the vote: -0-
    - (ii) Shared power to vote or direct the vote: 900,000
  - (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 900,000 Messrs. Atchinson and Gross, as managing members of ACA, have shared power to vote the Common Stock beneficially owned by ACP. Neither Mr. Atchinson nor Mr. Gross directly own any shares of Common Stock. By reason of the provisions of Rule 13d-3 of the Act, each may be deemed to beneficially own the shares beneficially owned by ACP.
- Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact 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 [X].

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.

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Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

Each of the Reporting Persons hereby makes the following 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.

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#### SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

DATED: February 11, 2008

ADAGE CAPITAL PARTNERS, L.P.

By: Adage Capital Partners GP, L.L.C.,

its general partner

By: Adage Capital Advisors, L.L.C.,

its managing member

/s/ ROBERT ATCHINSON

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Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C.

By: Adage Capital Advisors, L.L.C.,

its managing member

/s/ ROBERT ATCHINSON

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Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ ROBERT ATCHINSON

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Name: Robert Atchinson Title: Managing Member

ROBERT ATCHINSON

/s/ ROBERT ATCHINSON

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ROBERT ATCHINSON, individually

PHILLIP GROSS

/s/ PHILLIP GROSS

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PHILLIP GROSS, individually