UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549 SCHEDULE 13G/A UNDER THE SECURITIES EXCHANGE ACT OF 1934 (AMENDMENT NO. 1)* ALEXION PHARMACEUTICALS, INC. _____ (Name of Issuer) COMMON STOCK, PAR VALUE \$.0001 PER SHARE _____ (Title of Class of Securities) 015351109 (CUSIP Number) _____ (Date of Event Which Requires Filing This Statement)

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

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

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CUSIP No.	015351	109
	1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only). BB BIOTECH AG
	2.	Check the Appropriate Box if a Member of a Group (See Instructions)
		(a) [X]
		(b) []
	3.	SEC Use Only
	4.	Citizenship or Place of Organization
		SWITZERLAND
Number of Shares Ber Owned by E Reporting Person Wit	ach	5. Sole Voting Power
		874,113
		7. Sole Dispositive Power
		- 0 -
		8. Shared Dispositive Power
		874,113
	9.	Aggregate Amount Beneficially Owned by Each Reporting Person
		874,113
	10.	Check if the Aggregate Amount in Row (11) Excludes Certain shares
	11.	Percent of Class Represented by amount in Row (11) 4.9%

- - - - - - -

of Reporting Person (See Instructions) HC, CO 12. Type of Reporting Person (See Instructions) _____

Page 2 of 6 pages

CUSIP No. 015351	1109
1.	Names of Reporting Persons.
	I.R.S. Identification Nos. of above persons (entities only).
	BIOTECH TARGET S.A.
2.	Check the Appropriate Box if a Member of a Group
	(a) [X]
	(b) []
3.	SEC Use Only
	Citizonobin or Dloop of Organization
4.	Citizenship or Place of Organization
	PANAMA
Number of Shares Beneficia Owned by Each	5. Sole Voting Power
Reporting Person With:	
	6. Shared Voting Power
	874,113
	7. Sole Dispositive Power
	-0-
	8. Shared Dispositive Power
	874,113
9.	Aggregate Amount Beneficially Owned by Each Reporting Person
	874,113
10.	Check if the Aggregate Amount in Row (11) Excludes Certain shares
11.	Percent of Class Represented by amount in Row (11)
	4.9%
12.	Type of Reporting Person
	CO
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CUSIP No. 015351109

ITEM 2.

- (a) Name of Person Filing BB Biotech AG ("BB Biotech") Biotech Target S.A. ("Biotech Target")
- (b) Address of Principal Business Office or, if none, Residence

BB Biotech	Biotech Target
Vordergasse 3	Swiss Bank Tower
8200 Schaffhausen	Panama 1
CH/Switzerland	Republic of Panama

(c) Citizenship

See Item No. 4 of cover pages.

- (d) Title of Class of Securities Common Stock, Par Value \$.0001 Per Share
- (e) CUSIP Number 015351109
- ITEM 4. OWNERSHIP

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (b) Percent of class: 4.9%

(c) Number of shares as to which the person has:

- (i) Sole power to vote or to direct the vote -0-
- (ii) Shared power to vote or to direct the vote 874,113
- (iii) Sole power to dispose or to direct the disposition of -0-
- (iv) Shared power to dispose or to direct the disposition of 874,113

ITEM 5. 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: [X]

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

This statement is filed jointly by BB Biotech and Biotech Target. Biotech Target is a wholly-owned subsidiary of BB Biotech.

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SIGNATURES

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

	BB BIOTE	CH AG
Date: February 14, 2001	By:	/s/ Dubravka Racjnak
	Name:	Dubravka Racjnak
	Title:	Signatory Authority
Date: February 14, 2001	By:	/s/ Anders Hove
	Name:	Anders Hove
	Title:	Signatory Authority
	BIOTECH	TARGET S.A.
Date: February 14, 2001		TARGET S.A. /s/ Dubravka Racjnak
Date: February 14, 2001		/s/ Dubravka Racjnak
Date: February 14, 2001	By: Name:	/s/ Dubravka Racjnak Dubravka Racjnak
Date: February 14, 2001 Date: February 14, 2001	By: Name:	/s/ Dubravka Racjnak Dubravka Racjnak Signatory Authority
	By: Name: Title:	/s/ Dubravka Racjnak Dubravka Racjnak Signatory Authority /s/ Anders Hove

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EXHIBIT INDEX

Exhibit 1: Agreement by and between BB Biotech and Biotech Target with respect to the filing of this disclosure statement.*

* Previously filed.

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