ALEXION PHARMACEUTICALS INC

Form SC 13G/A February 14, 2001

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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. 015351109

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 Benefici Owned by Each Reporting	5. Sole Voting Power ally -0-
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 (See Instructions) HC, CO

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CUSIP No.	015351	109		
	1.	I.R.S.	of Reporting Persons. Identification Nos. of above persons (entities onl	Ly).
	2.		the Appropriate Box if a Member of a Group [X]	
	3.	SEC U	se Only	
	4.	Citize	nship or Place of Organization PANAMA	
Number of Shares Beneficially Owned by Each Reporting Person With:		 lly	5. Sole Voting Power	
			6. Shared Voting Power 874,113	
			7. Sole Dispositive Power -0-	
			8. Shared Dispositive Power 874,113	
	9.	 Aggreg	ate Amount Beneficially Owned by Each Reporting Pers	 30n

874,113

- 10. Check if the Aggregate Amount in Row (11) Excludes Certain shares ${}^{\circ}$
- 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.

- (a) Amount beneficially owned: 874,113
- (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, ${\tt I}$ certify that the information set forth in this statement is true, complete and correct.

BB BIOTECH AG

Date: February 14, 2001 By: /s/ Dubravka Racjnak

Name: Dubravka Racjnak

Title: Signatory Authority

Date: February 14, 2001 By: /s/ Anders Hove

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Name: Anders Hove

Title: Signatory Authority

BIOTECH TARGET S.A.

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

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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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