

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>BAKER BROS. ADVISORS LP</u>  (Last) (First) (Middle) 860 WASHINGTON STREET 3RD FLOOR  (Street) NEW YORK NY 10014  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ALEXION PHARMACEUTICALS, INC.</u> [ ALXN ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner  Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 03/18/2020	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock								65,810 <sup>(1)</sup>	D	
Common Stock								66,153 <sup>(2)</sup>	D	
Common Stock								94,410	I	See Footnote <sup>(3)</sup>
Common Stock	03/18/2020		P		1,158	A	\$81.0907 <sup>(5)</sup>	988,713	I	See Footnotes <sup>(4)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		12,815	A	\$81.0907 <sup>(5)</sup>	7,779,733	I	See Footnotes <sup>(7)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		380	A	\$81.4747 <sup>(6)</sup>	989,093	I	See Footnotes <sup>(4)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		4,203	A	\$81.4747 <sup>(6)</sup>	7,783,936	I	See Footnotes <sup>(7)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		2,314	A	\$81.7864 <sup>(12)</sup>	991,407	I	See Footnotes <sup>(4)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		25,640	A	\$81.7864 <sup>(12)</sup>	7,809,576	I	See Footnotes <sup>(7)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		1,439	A	\$82.1289 <sup>(13)</sup>	992,846	I	See Footnotes <sup>(4)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		15,928	A	\$82.1289 <sup>(13)</sup>	7,825,504	I	See Footnotes <sup>(7)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		119	A	\$82.9194 <sup>(14)</sup>	992,965	I	See Footnotes <sup>(4)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		1,321	A	\$82.9194 <sup>(14)</sup>	7,826,825	I	See Footnotes <sup>(7)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		1,331	A	\$83.1442 <sup>(15)</sup>	994,296	I	See Footnotes <sup>(4)(8)(9)(10)(11)</sup>
Common Stock	03/18/2020		P		14,731	A	\$83.1442 <sup>(15)</sup>	7,841,556	I	See Footnotes <sup>(7)(8)(9)(10)(11)</sup>

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person\*  
BAKER BROS. ADVISORS LP

(Last) (First) (Middle)

860 WASHINGTON STREET  
3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

667, L.P.

(Last) (First) (Middle)

860 WASHINGTON STREET, 3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

Baker Bros. Advisors (GP) LLC

(Last) (First) (Middle)

860 WASHINGTON STREET  
3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

Baker Brothers Life Sciences LP

(Last) (First) (Middle)

860 WASHINGTON STREET  
3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

BAKER FELIX

(Last) (First) (Middle)

860 WASHINGTON STREET  
3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

BAKER JULIAN

(Last) (First) (Middle)

860 WASHINGTON STREET, 3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

**Explanation of Responses:**

1. Shares of common stock ("Common Stock") of Alexion Pharmaceuticals, Inc. (the "Issuer") directly held by Felix J. Baker.
2. Shares of Common Stock directly held by Julian C. Baker.

3. Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in shares of Common Stock directly held by FBB Associates. Felix J. Baker and Julian C. Baker are the sole partners of FBB Associates. Felix J. Baker and Julian C. Baker each disclaim beneficial ownership of the securities held directly by FBB Associates except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that Felix J. Baker or Julian C. Baker is a beneficial owner of such securities for purposes of Section 16 or any other purpose.
4. After giving effect to the transactions reported herein and as a result of their ownership interest in (i) Baker Biotech Capital, L.P. and (ii) 667, L.P. ("667"), Julian C. Baker and Felix J. Baker each may be deemed to have an indirect pecuniary interest in Common Stock reported in column 5 of Table I directly held by 667, a limited partnership of which the sole general partner is Baker Biotech Capital, L.P., a limited partnership of which the sole general partner is Baker Biotech Capital (GP), LLC, due their interest in 667 and Baker Biotech Capital, L.P.'s right to receive an allocation of a portion of the profits from 667. This amount includes beneficial ownership of 8,461 shares issued pursuant to the 2017 Incentive Plan ("Stock Incentive Plan") in lieu of director retainer fees, of which 667 may be deemed to own a portion.
5. The price reported in Column 4 is a weighted average price. These shares were traded by 667 and Baker Brothers Life Sciences, L.P. ("Life Sciences", and together with 667, the "Funds") in multiple transactions at prices ranging from \$80.48 to \$81.41, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission (the "Staff"), upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
6. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$81.23 to \$81.79, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the Staff, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
7. After giving effect to the transactions reported herein and as a result of their ownership interest in (i) Baker Brothers Life Sciences Capital L.P. and (ii) Life Sciences, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in Common Stock reported in column 5 of Table I directly held by Life Sciences, a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital, L.P., a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital (GP), LLC, due to their interest in Life Sciences and Baker Brothers Life Sciences Capital, L.P.'s right to receive an allocation of a portion of the profits from Life Sciences. This amount includes beneficial ownership of 8,461 shares issued pursuant to the Stock Incentive Plan in lieu of director retainer fees, of which Life Sciences may be deemed to own a portion.
8. This amount includes 12,763, 33,608 and 20,226 shares of Common Stock held directly, respectively by Julian C. Baker, Felix J. Baker and Stephen R. Biggar received from their service on the board of directors of Synageva Biopharma Corp. ("Synageva Board"), a company acquired by the Issuer pursuant to a merger agreement dated May 5, 2015, and its predecessor ("Predecessor Board"). Julian C. Baker, a managing member of the Adviser GP (defined below), served on the Predecessor Board. Felix J. Baker, a managing member of the Adviser GP, and Stephen R. Biggar, a full-time employee of the Adviser (defined below), served on the Synageva Board. Felix J. Baker serves on the board of directors of the Issuer (the "Board").
9. Pursuant to the policies of the Adviser, Julian C. Baker, Felix J. Baker and Stephen R. Biggar do not have any right to any of Synageva Biopharma Corp.'s or the Issuer's securities issued as part of their service on the Board, the Synageva Board or the Predecessor Board, and the Funds are entitled to receive all the pecuniary interest in the securities issued. The Funds each own an indirect proportionate pecuniary interest in the stock options, restricted stock units or Common Stock received for service on the Board, the Synageva Board and the Predecessor Board. Solely as a result of Felix J. Baker's and Julian C. Baker's ownership interest in (i) the general partners of the Funds and (ii) the Funds, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in the stock options, restricted stock units and Common Stock received from their service on the Board, the Synageva Board or the Predecessor Board (i.e. no direct pecuniary interest).
10. Baker Bros. Advisors LP (the "Adviser") serves as the investment adviser to the Funds. In connection with the services provided by the Adviser, the Adviser receives an asset-based management fee that does not confer any pecuniary interest in the securities held by the Funds. Baker Bros. Advisors (GP) LLC (the "Adviser GP") is the Adviser's sole general partner. Julian C. Baker and Felix J. Baker are managing members of the Adviser GP. The Adviser has complete and unlimited discretion and authority with respect to the investment and voting power of the securities held by the Funds.
11. The general partners of the Funds relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds. Julian C. Baker, Felix J. Baker, the Adviser GP and the Adviser disclaim beneficial ownership of the securities held directly by the Funds except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that any of Julian C. Baker, Felix J. Baker, the Adviser GP or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.
12. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$81.07 to \$82.00, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the Staff, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
13. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$81.65 to \$82.50, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the Staff, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
14. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$82.85 to \$82.98, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the Staff, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
15. The price reported in Column 4 is a weighted average price. These shares were traded by the Funds in multiple transactions at prices ranging from \$82.73 to \$83.64, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the Staff, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.

#### Remarks:

Felix J. Baker is a director of Alexion Pharmaceuticals, Inc. (the "Issuer"). By virtue of his representation on the board of directors of the Issuer, for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, the reporting persons other than Felix J. Baker are deemed directors by deputization of the Issuer. This is the second of two Form 4's reporting changes in beneficial ownership. Due to space limitations in Form 4 we are thus filing these two Forms 4.

By: Baker Bros. Advisors LP,  
Name: Scott L. Lessing, Title: 03/18/2020  
President /s/ Scott L. Lessing  
Baker Bros. Advisors LP,  
Mgmt. Co. and Inv. Adviser to  
667, L.P., pursuant to  
authority granted by Baker  
Biotech Capital, L.P., GP to 03/18/2020  
667, L.P. Name: Scott L.  
Lessing, Title: President /s/  
Scott L. Lessing  
By: Baker Bros. Advisors  
(GP) LLC, Name: Scott L. 03/18/2020  
Lessing, Title: President /s/  
Scott L. Lessing  
Baker Bros. Advisors LP,  
Mgmt. Co. and Inv. Adviser to  
BAKER BROTHERS LIFE  
SCIENCES, L.P., pursuant to  
authority granted by Baker  
Brothers Life Sciences 03/18/2020  
Capital, L.P., GP to Baker  
Brothers Life Sciences, L.P.,  
Name: Scott L. Lessing, Title:  
President /s/  
/s/ Felix J. Baker 03/18/2020  
/s/ Julian C. Baker 03/18/2020  
 \*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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