

OMB APPROVAL	
OMB Number:	3235-0287
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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).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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>RA CAPITAL MANAGEMENT, L.P.</u>  (Last) (First) (Middle) <u>200 BERKELEY STREET 18TH FLOOR</u>  (Street) <u>BOSTON MA 02116</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Acumen Pharmaceuticals, Inc. [ ABOS ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>07/21/2023</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		
Rule 10b5-1(c) Transaction Indication <input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.		

**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	07/21/2023		P		5,161,290	A	\$7.75 <sup>(1)</sup>	13,043,179 <sup>(2)</sup>	I	See Footnotes <sup>(1)</sup> <sup>(2)</sup> <sup>(3)</sup>
Common Stock								1,300,034 <sup>(4)</sup>	I	See Footnotes <sup>(3)</sup> <sup>(4)</sup>
Common Stock								588,850 <sup>(5)</sup>	I	See Footnotes <sup>(3)</sup> <sup>(5)</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)		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	(A)	(D)					

1. Name and Address of Reporting Person\*  
RA CAPITAL MANAGEMENT, L.P.  
 (Last) (First) (Middle)  
200 BERKELEY STREET 18TH FLOOR  
 (Street)  
BOSTON MA 02116  
 (City) (State) (Zip)

1. Name and Address of Reporting Person\*  
RA Capital Healthcare Fund LP  
 (Last) (First) (Middle)  
C/O RA CAPITAL MANAGEMENT, L.P.  
200 BERKELEY STREET, 18TH FLOOR  
 (Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[RA Capital Nexus Fund II, L.P.](#)

(Last) (First) (Middle)

C/O RA CAPITAL MANAGEMENT, L.P.  
200 BERKELEY STREET, 18TH FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Kolchinsky Peter](#)

(Last) (First) (Middle)

C/O RA CAPITAL MANAGEMENT, L.P.  
200 BERKELEY STREET, 18TH FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

1. Name and Address of Reporting Person\*

[Shah Rajeev M.](#)

(Last) (First) (Middle)

C/O RA CAPITAL MANAGEMENT, L.P.  
200 BERKELEY STREET, 18TH FLOOR

(Street)

BOSTON MA 02116

(City) (State) (Zip)

**Explanation of Responses:**

1. Acquired from the Issuer pursuant to the public offering described in the Issuer's Prospectus filed with the Securities and Exchange Commission on July 20, 2023.
2. Held directly by RA Capital Healthcare Fund, L.P. (the "Fund").
3. RA Capital Management, L.P. (the "Adviser") is the investment manager for RA Capital Healthcare Fund, L.P. (the "Fund"), RA Capital Nexus Fund II, L.P. (the "Nexus Fund II") and a separately managed account (the "Account"). The general partner of the Adviser is RA Capital Management GP, LLC (the "Adviser GP"), of which Dr. Peter Kolchinsky and Mr. Rajeev Shah are the managing members. The Adviser, the Adviser GP, Dr. Kolchinsky, and Mr. Shah disclaim beneficial ownership of any of the reported securities, except to the extent of their pecuniary interest therein.
4. Held directly by the Nexus Fund II.
5. Held directly by the Account.

**Remarks:**

Ms. Stoppel, a Principal of the Adviser, serves on the Issuer's board of directors.

[/s/ Peter Kolchinsky, Manager  
of RA Capital Management,  
L.P.](#) 07/25/2023

[/s/ Peter Kolchinsky, Manager  
of RA Capital Healthcare  
Fund GP, LLC, the General  
Partner of RA Capital  
Healthcare Fund, L.P.](#) 07/25/2023

[/s/ Peter Kolchinsky, Manager  
of RA Capital Nexus Fund II  
GP, LLC, the General Partner  
of RA Capital Nexus Fund II,  
L.P.](#) 07/25/2023

[/s/ Peter Kolchinsky,](#) 07/25/2023  
[individually](#)

[/s/ Rajeev Shah, individually](#) 07/25/2023

\*\* 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.