FORM 3

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## OMB APPROVAL

OMB Number: 3235-0104

Estimated average burden hours per response: 0.5

# INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

					n 16(a) of the Securities I of the Investment Compa			1934				
1. Name and Address of Reporting Person*  RA CAPITAL  MANAGEMENT, L.P.			Requir (Month	e of Event ring Statemen n/Day/Year) n/2021	3. Issuer Name and Ticker or Trading Symbol Acumen Pharmaceuticals, Inc. [ ABOS ]							
(Last) (First) (Middle)			_		4. Relationship of Relsuer (Check all applicable	)				Amendment, d (Month/Day	Date of Original 'Year)	
200 BERKELEY STREET, 18TH FLOOR					X Director Officer (give title below)	Officer (give Other (specify			Individual or Joint/Group Filing (Check Applicable Line)     Form filed by One Reporting     Person			
(Street) BOSTON M	ΙA	02116							)	Form filed	by More than One Person	
(City) (S	tate)	(Zip)										
			Table I - I	Non-Deriv	ative Securities Be	enefic	ially O	wned				
1. Title of Security (Instr. 4)					2. Amount of Securities Beneficially Owned (Instr. 4) 3. Owners Form: Dire (D) or Indi (I) (Instr. 5)		Direct ndirect	ect Ownership (Instr. 5) rect				
					ve Securities Benerants, options, cor		-		)			
4) Expi (Mor		2. Date Exerc Expiration Day/ (Month/Day/	ate	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)			4. Conversion or Exercise		5. Ownership Form:	6. Nature of Indirect Beneficial Ownership (Instr.		
		Date Exercisable	Expiration Date	Title	Amou Numi Share				Direct (D) or Indirect (I) (Instr. 5)	5)		
Series B Preferred Stock		(1)	(1)	Common Stock	6,122	6,122,557(2)			I	See footnotes <sup>(2)</sup>		
Series B Prefer	red Stock		(1)	(1)	Common Stock	1,18	4,366(4)	(1)		I	See footnote <sup>(3)(4)</sup>	
Series B Prefer	red Stock		(1)	(1)	Common Stock	588	,850 <sup>(5)</sup>	(1)		I	See footnote <sup>(3)(5)</sup>	
1. Name and Addr RA CAPITA (Last) 200 BERKELE	•	J										

# (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

(State)

(Zip)

(City)

	dress of Reporting		
KA Capita	l Nexus Fund	<u> </u>	_
(Last)	(First)	(Middle)	
	PITAL MANAG		
200 BERKEI	LEY STREET, 1	8TH FLOOR	_
(Street)			
BOSTON	MA	02116	_
(City)	(State)	(Zip)	
	dress of Reporting	Person*	
Kolchinsky	<u> Peter</u>		
(Last)	(First)	(Middle)	
C/O RA CAP	PITAL MANAG	EMENT, L.P.	
200 BERKEI	LEY STREET, 1	8TH FLOOR	
(Street)			
BOSTON	MA	02116	
(City)	(State)	(Zip)	
	dress of Reporting	Person*	
Shah Rajee	<u>ev M.</u>		
(Last)	(First)	(Middle)	
C/O RA CAP	PITAL MANAG	EMENT, L.P.	
200 BERKEI	LEY STREET, 1	8TH FLOOR	
(Street)			
BOSTON	MA	02116	
(City)	(State)	(Zip)	

## ${\bf Explanation\ of\ Responses:}$

- 1. Each share of Series B Preferred Stock will automatically convert into one share of Common Stock of the Issuer upon the closing of the Issuer's initial public offering. The Series B preferred Stock has no expiration date.
- 2. Shares held directly by RA Capital Healthcare Fund, L.P. (the "Fund").
- 3. RA Capital Management, L.P. (the "Adviser") is the investment manager for 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. Shares held directly by the Nexus Fund II.
- 5. Shares held directly by the Account.

/s/ Peter Kolchinsky, Manager of RA Capital Management, L.P.	06/29/2021
/s/ Peter Kolchinsky, Manager of RA Capital Healthcare GP, LLC, the General Partner of RA Capital Healthcare Fund, L.P.	06/29/2021
/s/ Peter Kolchinsky, Manager of RA Capital Nexus Fund GP, LLC, the General Partner of RA Capital Nexus Fund, L.P.	06/29/2021
/s/ Peter Kolchinsky, individually	06/29/2021
/s/ Rajeev Shah, individually ** Signature of Reporting	06/29/2021 Date

### Person

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 5 (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.