UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): November 21, 2023

ARCH THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

Nevada (State or other jurisdiction of incorporation) **000-54986** (Commission File Number)

46-0524102 (I.R.S. Employer Identification No.)

235 Walnut Street, Suite 6 Framingham, Massachusetts (Address of principal executive offices)

01702 (Zip Code)

Registrant's telephone number, including area code: (617) 431-2313

Check the appropriate box General Instruction A.2. be		d to simultaneously satisfy the filing obligati	on of the registrant under any of the following provisions (see		
☐ Written communication	s pursuant to Rule 425 under the Securi	ities Act (17 CFR 230.425)			
□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)					
☐ Pre-commencement com	nmunications pursuant to Rule 14d-2(b)) under the Exchange Act (17 CFR 240.14d-2	2(b))		
☐ Pre-commencement con	nmunications pursuant to Rule 13e-4(c)	under the Exchange Act (17 CFR 240.13e-4	(c))		
Sacurities registered pursus	nt to Section 12(b) of the Act:				
Securities registered pursua	in to section 12(b) of the Act.				
0 1	itle of each class	Trading Symbol(s)	Name of each exchange on which registered		
0 1	,	Trading Symbol(s) N A	ě		
T	itle of each class N A ether the registrant is an emerging grow 1934 (17 CFR §240.12b-2).	N A	registered		

Item 1.01 Entry into a Material Definitive Agreement.

Note Modification Agreements

On November 21, 2023, and effective as of November 15, 2023, Arch Therapeutics, Inc. (the 'Company') entered into an amendment ("Amendment No. 13 to the First Notes") with the holders of the Company's outstanding Senior Secured Convertible Promissory Notes, as amended on February 14, 2023, and as subsequently amended on March 10, 2023, March 15, 2023, April 15, 2023, May 15, 2023, June 15, 2023, July 1, 2023, July 7, 2023, July 31, 2023, August 30, 2023, September 30, 2023, and October 31, 2023 (as amended, the "First Notes"), issued in connection with a private placement financing the Company completed on July 6, 2022 (the First Closing"). On November 21, 2023, and effective as of November 15, 2023, the Company also entered into an amendment ("Amendment No. 13 to the Second Notes") with the holders of the Company's outstanding Unsecured Convertible Promissory Notes, as amended on February 14, 2023, and as subsequently amended on March 10, 2023, March 15, 2023, April 15, 2023, June 15, 2023, July 1, 2023, July 31, 2023, July 31, 2023, August 30, 2023, September 30, 2023 and October 31, 2023 (as amended, the "Second Notes"), issued in connection with a private placement financing the Company completed on January 18, 2023 (the Second Closing"). On November 21, 2023, and effective as of November 15, 2023, the Company also entered into an amendment ("Amendment No. 8 to the Third Notes" and, together with Amendment No. 13 to the First Notes and Amendment No. 13 to the Second Notes, the "Amendments to the 2022 Notes") with the holders of the Company's outstanding Unsecured Convertible Promissory Notes, as amended on June 15, 2023, and as subsequently amended on July 1, 2023, July 31, 2023, August 30, 2023, September 30, 2023 and October 31, 2023 (as amended, the "Third Notes" and, together with the First Notes and Second Notes, the "2022 Notes"), issued in connection with a private placement financing the Company completed on May 15, 2023 (the "Third Closing" and together with the First Closing and Second Closing, th

Under the Amendments to the 2022 Notes, the 2022 Notes were amended to extend the date of the completion of an uplist to any of the Nasdaq Global Market, Nasdaq Capital Market, New York Stock Exchange, or NYSE American (such transaction, an "Uplist Transaction") from November 15, 2023, to January 6, 2024.

As a result of the entry into the Amendments to the 2022 Notes, and pursuant to the terms of the Company's outstanding Series 3B Convertible Promissory Notes (the "Series 3B Notes"), the Series 3B Notes were automatically amended to extend the date of completion of an Uplist Transaction from November 15, 2023, to January 6, 2024. Also, as a result of the entry into the Amendments to the 2022 Notes, and pursuant to the terms of the Company's outstanding Series 2 Unsecured Convertible Promissory Notes, as amended on March 10, 2023, the Series 2 Note Amendment Termination Date set forth under Amendment No. 1 to the Series 2 Unsecured Convertible Promissory Notes was automatically amended to extend from November 15, 2023, to January 6, 2024.

The foregoing descriptions of Amendment No. 13 to the First Notes, Amendment No. 13 to the Second Notes, and Amendment No. 8 to the Third Notes do not purport to be complete and are qualified in their entirety by the full text of the Form of Amendment No. 13 to the First Notes, Form of Amendment No. 13 to the Second Notes, and Form of Amendment No. 8 to the Third Notes, attached hereto as Exhibits 10.1, 10.2, and 10.3, respectively, which are incorporated herein by reference.

Notes Offering Second Amended and Restated Registration Rights Agreement Amendment

Additionally, on November 21, 2023, the Company entered into an amendment ("Amendment No. 3 to the Second A&R Registration Rights Agreement") to that certain Second Amended and Restated Registration Rights Agreement, dated as of May 15, 2023, as amended on June 17, 2023, and as subsequently amended on November 8, 2023 by and among the Company and certain institutional and accredited individual investors (as amended, the "Second A&R Registration Rights Agreement"). Under Amendment No. 3 to the Second A&R Registration Rights Agreement, the Second A&R Registration Rights Agreement was amended to extend the filing deadline by which the Company is obligated to file with the Securities and Exchange Commission (the "SEC") a registration statement under the Securities Act of 1933, as amended, registering certain securities issued in the Notes Offering to the earlier of (i) the date that is 30 days following the Uplist Transaction and (ii) January 31, 2024.

The foregoing description of Amendment No. 3 to the Second A&R Registration Rights Agreement does not purport to be complete and is qualified in its entirety by reference to the full text of the Form of Amendment No. 3 to the Second A&R Registration Rights Agreement, attached hereto as Exhibit 10.4 and is incorporated herein by reference.

Bridge Offering Registration Rights Agreement Amendment

Additionally, on November 22, 2023, the Company entered into an amendment ("Amendment No. 3 to the Bridge Registration Rights Agreement") to that certain Registration Rights Agreement, dated as of July 7, 2023, as amended on August 30, 2023, and as subsequently amended on November 8, 2023, by and among the Company and certain institutional and accredited individual investors (as amended the "Bridge Registration Rights Agreement") in connection with a private placement offering of pre-funded warrants to purchase shares of common stock, par value \$0.001, of the Company ("Common Stock"), common warrants to purchase shares of Common Stock, and shares of Common Stock (the "Bridge Offering"). Under Amendment No. 3 to the Bridge Registration Rights Agreement, the Bridge Registration Rights Agreement was amended to extend the filing deadline by which the Company is obligated to file with the SEC a registration statement under the Securities Act of 1933, as amended, registering certain securities issued in the Bridge Offering, to the earlier of (i) the date that is 30 days following the Uplist Transaction and (ii) January 31, 2024.

The foregoing description of Amendment No. 3 to the Bridge Registration Rights Agreement does not purport to be complete and is qualified in its entirety by reference to the full text of the Form of Amendment No. 3 to the Bridge Registration Rights Agreement, attached to hereto as Exhibit 10.5 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) The following exhibits are being filed herewith:

<u>Exhibit</u>	<u>Description</u>
10.1	Form of Amendment No. 13 to the First Notes, dated November 21, 2023
10.2	Form of Amendment No. 13 to the Second Notes, dated November 21, 2023
10.3	Form of Amendment No. 8 to the Third Notes, dated November 21, 2023
10.4	Form of Amendment No. 3 to Second A&R Registration Rights Agreement
10.5	Form of Amendment No. 3 to the Bridge Registration Rights Agreement
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ARCH THERAPEUTICS, INC.

Dated: November 22, 2023 By: /s/ Terrence W. Norchi, M.D.

Name: Terrence W. Norchi, M.D.

Title: President, Chief Executive Officer

AMENDMENT NO. 13 TO SENIOR SECURED CONVERTIBLE PROMISSORY NOTE

This Amendment No. 13 (this "Amendment") to those certain Senior Secured Convertible Promissory Notes, as amended on February 14, 2023, and as subsequently amended on March 10, 2023, March 15, 2023, April 15, 2023, May 15, 2023, June 15, 2023, July 1, 2023, July 7, 2023, July 31, 2023, August 30, 2023, September 30, 2023, and October 31, 2023 (as amended, the "First Notes"), issued by Arch Therapeutics, Inc., a Nevada corporation (the "Company"), to each Holder pursuant to that certain Securities Purchase Agreement, dated July 6, 2022, by and among the Company and the signatories thereto (the "Holders"), as amended on January 18, 2023 and as subsequently amended on May 15, 2023 (as amended, the "Securities Purchase Agreement") is made and entered into effective November 15, 2023 by and among the Company and the Consenting Stockholders (as defined below). Capitalized terms used herein but not otherwise defined shall have the meanings ascribed to them in the Securities Purchase Agreement.

WITNESSETH:

WHEREAS, the Company and the Consenting Stockholders desire to extend the date for completion of the Uplist;

WHEREAS, pursuant to Section 4.3 of the First Notes and Section 7(e) of the Securities Purchase Agreement, the First Notes may be amended in a written instrument signed by the Company, the Lead Investor, and Holders which purchased at least 50% plus \$1.00 of the Notes based on the initial Principal Amounts thereunder (the Lead Investor and such Holders, collectively the "Consenting Stockholders"); and

WHEREAS, the undersigned Holders constitute the Consenting Stockholders.

NOW, THEREFORE, in exchange for good and valuable consideration including, without limitation, the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the parties hereby agree as follows:

1. Amendments to the First Notes.

1.1 The First Notes are hereby amended by deleting the words "by November 15, 2023" in Section 3.23 of the First Notes and replacing such words with the following sentence in substitution therefor:

"by January 6, 2024"

2. Miscellaneous.

- 2.1 The "First Note Amendment Termination Date" is hereby extended to January 6, 2024.
- 2.2 Except as expressly amended by this Amendment, the terms and provisions of the First Notes shall continue in full force and effect. No reference to this Amendment need be made in any instrument or document making reference to the First Notes; any reference to the First Notes in any such instrument or document shall be deemed a reference to the First Notes as amended hereby. The First Notes as amended hereby shall be binding upon the parties thereto and their respective assigns and successors.

- 2.3 This Amendment shall be governed by and construed in accordance with the laws of the State of Nevada as such laws are applied to agreements between parties in Nevada.
- 2.4 This Amendment may be executed in separate counterparts, each such counterpart being deemed to be an original instrument, and all such counterparts shall together constitute the same agreement.

[Signature Pages Follow]

ARCH	THER	APEUTICS	INC

By:
Name: Michael S. Abrams
Title: Chief Financial Officer

Signature Page to Amendment No. 13 to the First Notes

[]	
By:		
Name:		
Title:		

Signature Page to Amendment No. 13 to the First Notes

AMENDMENT NO. 13 TO UNSECURED CONVERTIBLE PROMISSORY NOTE

This Amendment No. 13 (this "Amendment") to those certain Unsecured Convertible Promissory Notes, as amended on February 14, 2023, and as subsequently amended on March 10, 2023, March 15, 2023, April 15, 2023, May 15, 2023, June 15, 2023, July 1, 2023, July 1, 2023, July 31, 2023, August 30, 2023, September 30, 2023, and October 31, 2023 (as amended, the "Second Notes"), issued by Arch Therapeutics, Inc., a Nevada corporation (the "Company"), to certain Holders pursuant to that certain Securities Purchase Agreement, dated July 6, 2022, by and among the Company and the signatories thereto (the "Holders"), as amended on January 18, 2023 and as subsequently amended on May 15, 2023 (as amended, the "Securities Purchase Agreement") is made and entered into effective November 15, 2023 by and among the Company and the Consenting Stockholders (as defined below). Capitalized terms used herein but not otherwise defined shall have the meanings ascribed to them in the Securities Purchase Agreement.

WITNESSETH:

WHEREAS, the Company and the Consenting Stockholders desire to amend the Second Notes to extend the date for completion of the Uplist;

WHEREAS, pursuant to Section 4.3 of the Second Notes and Section 7(e) of the Securities Purchase Agreement, the Second Notes may be amended in a written instrument signed by the Company, the Lead Investor, and Holders which purchased at least 50% plus \$1.00 of the Notes based on the initial Principal Amounts thereunder (the Lead Investor and such Holders, collectively the "Consenting Stockholders"); and

WHEREAS, the undersigned Holders constitute the Consenting Stockholders.

NOW, THEREFORE, in exchange for good and valuable consideration including, without limitation, the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the parties hereby agree as follows:

1. Amendments to the Second Notes.

1.1 The Second Notes are hereby amended by deleting the words "by November 15, 2023" in Section 3.23 of the Second Notes and replacing such words with the following in substitution therefor:

"by January 6, 2024"

2. Miscellaneous.

- 2.1 The "Second Note Amendment Termination Date" is hereby extended to January 6, 2024.
- 2.2 Except as expressly amended by this Amendment, the terms and provisions of the Second Notes shall continue in full force and effect. No reference to this Amendment need be made in any instrument or document making reference to the Second Notes; any reference to the Second Notes in any such instrument or document shall be deemed a reference to the Second Notes as amended hereby. The Second Notes as amended hereby shall be binding upon the parties thereto and their respective assigns and successors.

- 2.3 This Amendment shall be governed by and construed in accordance with the laws of the State of Nevada as such laws are applied to agreements between parties in Nevada.
- 2.4 This Amendment may be executed in separate counterparts, each such counterpart being deemed to be an original instrument, and all such counterparts shall together constitute the same agreement.

[Signature Pages Follow]

ΔRCH	THER	APELITICS	INC

By:	
Name: Michael S. Abrams	
Title: Chief Financial Officer	

Signature Page to Amendment No. 13 to the Second Notes

[]		
By: _			
Name	:		
Title:			

Signature Page to Amendment No. 13 to the Second Notes

AMENDMENT NO. 8 TO UNSECURED CONVERTIBLE PROMISSORY NOTE

This Amendment No. 8 (this "Amendment") to those certain Unsecured Convertible Promissory Notes, as amended on June 15, 2023, and as subsequently amended on July 1, 2023, July 7, 2023, July 31, 2023, August 30, 2023, September 30, 2023, and October 31, 2023 (as amended, the "Third Notes"), issued by Arch Therapeutics, Inc., a Nevada corporation (the "Company"), to each Holder pursuant to that certain Securities Purchase Agreement, dated July 6, 2022, by and among the Company and the signatories thereto (the "Holders"), as amended on January 18, 2023 and as subsequently amended on May 15, 2023 (as amended, the "Securities Purchase Agreement") is made and entered into effective November 15, 2023 by and among the Company and the Consenting Stockholders (as defined below). Capitalized terms used herein but not otherwise defined shall have the meanings ascribed to them in the Securities Purchase Agreement.

WITNESSETH:

WHEREAS, the Company and the Consenting Stockholders desire to amend the Third Notes to extend the date for completion of the Uplist;

WHEREAS, pursuant to Section 4.3 of the Third Notes and Section 7(e) of the Securities Purchase Agreement, the Third Notes may be amended in a written instrument signed by the Company, the Lead Investor, and Holders which purchased at least 50% plus \$1.00 of the Notes based on the initial Principal Amounts thereunder (the Lead Investor and such Holders, collectively the "Consenting Stockholders"); and

WHEREAS, the undersigned Holders constitute the Consenting Stockholders.

NOW, THEREFORE, in exchange for good and valuable consideration including, without limitation, the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the parties hereby agree as follows:

1. Amendments to the Third Notes.

1.1 The Third Notes are hereby amended by deleting the words "by November 15, 2023" in Section 3.23 of the Third Notes and replacing such words with the following sentence in substitution therefor:

"by January 6, 2024"

2. Miscellaneous.

- 2.1 The "Third Note Amendment Termination Date" is hereby extended to January 6, 2024.
- 2.2 Except as expressly amended by this Amendment, the terms and provisions of the Third Notes shall continue in full force and effect. No reference to this Amendment need be made in any instrument or document making reference to the Third Notes; any reference to the Third Notes in any such instrument or document shall be deemed a reference to the Third Notes as amended hereby. The Third Notes as amended hereby shall be binding upon the parties thereto and their respective assigns and successors.

- 2.3 This Amendment shall be governed by and construed in accordance with the laws of the State of Nevada as such laws are applied to agreements between parties in Nevada.
- 2.4 This Amendment may be executed in separate counterparts, each such counterpart being deemed to be an original instrument, and all such counterparts shall together constitute the same agreement.

[Signature Pages Follow]

By: Name: Michael S. Abr.	
Title: Chief Financial (

Signature Page to Amendment No. 8 to the Third Notes

[]		
By:			
Name:			
Title:			

Signature Page to Amendment No. 8 to the Third Notes

AMENDMENT NO. 3 TO SECOND AMENDED AND RESTATED REGISTRATION RIGHTS AGREEMENT

This Amendment No. 3 to the Second Amended and Restated Registration Rights Agreement (this "Amendment") is made and entered into effective November 21, 2023 (the "Amendment Effective Date") between Arch Therapeutics, Inc., a Nevada corporation (the "Company"), and certain holders of the Company's securities identified on the signature pages hereto (collectively, the "Consenting Holders"). Capitalized terms not defined herein shall have the same meaning as set forth in the Second Amended and Restated Registration Rights Agreement.

RECITALS:

WHEREAS, the Company and the Consenting Holders identified on the signature pages thereto entered into the Second Amended and Restated Registration Rights Agreement dated as of May 15, 2023, as amended on June 17, 2023, and as subsequently amended on November 8, 2023 (as amended, the "Second A&R Registration Rights Agreement");

WHEREAS, Section 7(c) of the Second A&R Registration Rights Agreement provides that any provision of the Second A&R Registration Rights Agreement may be amended with the written consent of the Company and the Holders of 51% or more of the then outstanding Registrable Securities;

WHEREAS, the Company and the Consenting Holders wish to amend the Second A&R Registration Rights Agreement in order to extend the date of the Effectiveness Deadline; and

WHEREAS, the Consenting Holders collectively constitute 51% or more of the outstanding Registerable Securities.

NOW, THEREFORE, for due and adequate consideration, the receipt and adequacy of which are hereby acknowledged, the parties agree as follows:

- 1. The definitions of Filing Deadline in Section 1 of the Second A&R Registration Rights Agreement shall be amended and restated as follows:
- "Filing Deadline" means: (i) with respect to the Initial Registration Statement, the date that is 45 days following the First Closing; (ii) with respect to the Second Closing Registration Statement, the earlier of (A) the date that is 30 days following the Uplist Transaction, and (B) January 31, 2024; and (iii) with respect to the Third Closing Registration Statement, the earlier of (A) the date that is 30 days following the Uplist Transaction, and (B) January 31, 2024; and (iv) with respect to any additional Registration Statements which may be required pursuant to Section 2(c), the earliest practical date on which the Company is permitted by SEC Guidance to file such additional Registration Statement related to the Registrable Securities."
- 2. Except as modified by this Amendment, all other terms and conditions in the Second A&R Registration Rights Agreement shall remain in full force and effect and this Amendment shall be governed by all provisions thereof, including Section 7(h) regarding governing law. No reference to this Amendment need be made in any instrument or document making reference to the Second A&R Registration Rights Agreement; any reference to the Second A&R Registration Rights Agreement as amended hereby. The Second A&R Registration Rights Agreement as amended hereby shall be binding upon the parties thereto and their respective assigns and successors.
- 3. This Amendment may be executed in separate counterparts, each such counterpart being deemed to be an original instrument, and all such counterparts shall together constitute the same agreement.

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IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly executed by their respective authorized signatories as of the date first indicated above.

ARCH THERAPEUTICS, INC.

By:

Name: Michael S. Abrams
Title: Chief Financial Officer

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK SIGNATURE PAGE FOR CONSENTING HOLDERS FOLLOWS]

[CONSENTING HOLDERS SIGNATURE PAGES TO AMENDMENT]

IN WITNESS WHEREOF, the undersigned have caused this Amendment to be duly executed by their respective authorized signatories as of the date first indicated

above.	·	•	Î	-	
Name of Holder:					
Signature of Authorized Signatory of Holder:					
Name of Authorized Signatory:					
Title of Authorized Signatory:					

AMENDMENT NO. 3 TO REGISTRATION RIGHTS AGREEMENT

This Amendment No. 3 to the Registration Rights Agreement (this "Amendment") is made and entered into effective November 21, 2023 (the "Amendment Effective Date") between Arch Therapeutics, Inc., a Nevada corporation (the 'Company'), and certain holders of the Company's securities identified on the signature pages hereto (collectively, the "Consenting Holders"). Capitalized terms not defined herein shall have the same meaning as set forth in the Registration Rights Agreement.

RECITALS:

WHEREAS, the Company and the Consenting Holders identified on the signature pages thereto entered into the Registration Rights Agreement dated as of July 7, 2023, as amended on August 30, 2023, and as subsequently amended on November 8, 2023 (as amended, the "Registration Rights Agreement");

WHEREAS, Section 7(c) of the Registration Rights Agreement provides that any provision of the Registration Rights Agreement may be amended with the written consent of the Company and the Holders of 51% or more of the then outstanding Registrable Securities;

WHEREAS, the Company and the Consenting Holders wish to amend the Registration Rights Agreement in order to extend the date of the Filing Deadline; and

WHEREAS, the Consenting Holders collectively constitute 51% or more of the outstanding Registerable Securities.

NOW, THEREFORE, for due and adequate consideration, the receipt and adequacy of which are hereby acknowledged, the parties agree as follows:

- 1. The definition of Filing Deadline in Section 1 of the Registration Rights Agreement shall be amended and restated as follows:
- ""Filing Deadline" means: (i) with respect to the Initial Registration Statement, the earlier of (A) the date that is 30 days following the closing date of the Uplist, and (B) January 31, 2024, and (ii) with respect to any additional Registration Statements which may be required pursuant to Section 2(c), the earliest practical date on which the Company is permitted by SEC Guidance to file such additional Registration Statement related to the Registrable Securities."
- 2. Except as modified by this Amendment, all other terms and conditions in the Registration Rights Agreement shall remain in full force and effect and this Amendment shall be governed by all provisions thereof, including Section 7(h) regarding governing law. No reference to this Amendment need be made in any instrument or document making reference to the Registration Rights Agreement; any reference to the Registration Rights Agreement in any such instrument or document shall be deemed a reference to the Registration Rights Agreement as amended hereby shall be binding upon the parties thereto and their respective assigns and successors.
- 3. This Amendment may be executed in separate counterparts, each such counterpart being deemed to be an original instrument, and all such counterparts shall together constitute the same agreement.

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IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly executed by their respective authorized signatories as of the date first indicated above.

ARCH THERAPEUTICS, INC.

By:

Name: Michael S. Abrams
Title: Chief Financial Officer

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK SIGNATURE PAGE FOR CONSENTING HOLDERS FOLLOWS]

[CONSENTING HOLDERS SIGNATURE PAGES TO AMENDMENT]

IN WITNESS WHEREOF, the undersigned have caused this Amendment to be duly executed by their respective authorized signatories as of the above.	date first indicated
Name of Holder:	
Signature of Authorized Signatory of Holder:	
Name of Authorized Signatory:	
Title of Authorized Signatory:	