

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
---	---	--

Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) ____
B This return/report is:	☐ the first return/report ☐ the final return/report ☒ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here. ▶	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶	☐

Part II Basic Plan Information —enter all requested information		
1a Name of plan <u>ARROWHEAD 401(K) PLAN AND TRUST</u>	1b Three-digit plan number (PN) ▶	<u>001</u>
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>ARROWHEAD PHARMACEUTICALS, INC.</u> <u>177 E COLORADO BLVD.</u> <u>SUITE 700</u> <u>PASADENA, CA 91105</u>	1c Effective date of plan <u>01/15/2005</u>	2b Employer Identification Number (EIN) <u>46-0408024</u>
	2c Plan Sponsor's telephone number <u>626-304-3400</u>	2d Business code (see instructions) <u>561490</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/05/2023	JANE CULBERTSON
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN	
		3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report:		4b EIN	
a Sponsor's name		4d PN	
c Plan Name			
5 Total number of participants at the beginning of the plan year		5	404
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).			
a(1) Total number of active participants at the beginning of the plan year		6a(1)	346
a(2) Total number of active participants at the end of the plan year		6a(2)	428
b Retired or separated participants receiving benefits		6b	0
c Other retired or separated participants entitled to future benefits.....		6c	86
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d	514
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e	0
f Total. Add lines 6d and 6e		6f	514
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g	489
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h	0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7	
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2T 3H 3D			
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:			
9a Plan funding arrangement (check all that apply)		9b Plan benefit arrangement (check all that apply)	
(1) ☐ Insurance		(1) ☐ Insurance	
(2) ☐ Code section 412(e)(3) insurance contracts		(2) ☐ Code section 412(e)(3) insurance contracts	
(3) ☒ Trust		(3) ☒ Trust	
(4) ☐ General assets of the sponsor		(4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)			
a Pension Schedules		b General Schedules	
(1) ☒ R (Retirement Plan Information)		(1) ☒ H (Financial Information)	
(2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary		(2) ☐ I (Financial Information – Small Plan)	
(3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		(3) ☐ 0 A (Insurance Information)	
		(4) ☒ C (Service Provider Information)	
		(5) ☒ D (DFE/Participating Plan Information)	
		(6) ☐ G (Financial Transaction Schedules)	

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan ARROWHEAD 401(K) PLAN AND TRUST	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 ARROWHEAD PHARMACEUTICALS, INC.	D Employer Identification Number (EIN) 46-0408024	

Part I	Service Provider Information (see instructions)
--------	---

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL
04-2647786

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
--

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

GLOBAL RETIREMENT PARTNERS LLC

47-1411118

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	ADVISOR	45484	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 60 64 65	RECORDKEEPER	43093	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
AS DISC SMID CPGR IS - DST ASSET M 430 W 7TH STREET STE 219432 KANSAS CITY, MO 64105	0.15%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PGIM J UTILITY Z - PRUDENTIAL MUTU 22-3703799	0.15%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PUTNAM STABLE VALUE - SEE NOTE *2 ONE POST OFFICE SQUARE BOSTON, MA 02109	0.25%	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
---	--	---

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan ARROWHEAD 401(K) PLAN AND TRUST	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 ARROWHEAD PHARMACEUTICALS, INC.	D Employer Identification Number (EIN) 46-0408024	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
--------	--

a Name of MTIA, CCT, PSA, or 103-12 IE: CB LARGE CAP GR R1		
b Name of sponsor of entity listed in (a): WILMINGTON TRUST, N.A.		
c EIN-PN 82-4435820-375	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1011821
a Name of MTIA, CCT, PSA, or 103-12 IE: LD ABBETT CORE BOND		
b Name of sponsor of entity listed in (a): WILMINGTON TRUST, N.A.		
c EIN-PN 82-1986152-325	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 961613
a Name of MTIA, CCT, PSA, or 103-12 IE: WT INTL STK FUND R1		
b Name of sponsor of entity listed in (a): WILMINGTON TRUST, N.A.		
c EIN-PN 82-2436292-342	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 323340
a Name of MTIA, CCT, PSA, or 103-12 IE: PUTNAM STABLE VALUE		
b Name of sponsor of entity listed in (a): PUTNAM FIDUCIARY TRUST COMPANY		
c EIN-PN 04-3159710-202	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 895392
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>ARROWHEAD 401(K) PLAN AND TRUST</u>		B Three-digit plan number (PN) <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>ARROWHEAD PHARMACEUTICALS, INC.</u>		D Employer Identification Number (EIN) <u>46-0408024</u>

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	0	0
(2) Participant contributions.....	1b(2)	0	0
(3) Other.....	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	0	0
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common.....	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants).....	1c(7)	0	0
(8) Participant loans.....	1c(8)	181687	165800
(9) Value of interest in common/collective trusts.....	1c(9)	3353476	3192166
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts.....	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	24485827	26013673
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	0	0
(15) Other	1c(15)	0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	28020990	29371639

Liabilities

g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	28020990	29371639
---	-----------	----------	----------

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	1842625	
(B) Participants	2a(1)(B)	4548173	
(C) Others (including rollovers)	2a(1)(C)	1245525	
(2) Noncash contributions	2a(2)	0	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		7636323
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	0	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	7864	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		7864
(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	600993	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		600993
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		-554381
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-5182377
c Other income	2c		0
d Total income. Add all income amounts in column (b) and enter total	2d		2508422
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	1057648	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		1057648
f Corrective distributions (see instructions)	2f		11548
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	0	
(3) Investment advisory and management fees	2i(3)	0	
(4) Other	2i(4)	88577	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		88577
j Total expenses. Add all expense amounts in column (b) and enter total	2j		1157773
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		1350649
l Transfers of assets:			
(1) To this plan	2l(1)		0
(2) From this plan	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: ROSE, SNYDER & JACOBS LLP

(2) EIN: 45-4095250

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n		X	

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan ARROWHEAD 401(K) PLAN AND TRUST		B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 ARROWHEAD PHARMACEUTICALS, INC.		D Employer Identification Number (EIN) 46-0408024
Part I Distributions		
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-6568107		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3
Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)		
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III Amendments		
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.		
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
	a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a	
	b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
	c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
	b The corresponding number for the second preceding plan year.....	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
----------------	---

18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c) a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____% b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____
20	PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20. a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation _____



ARROWHEAD 401(K) PLAN AND TRUST
FINANCIAL STATEMENTS
DECEMBER 31, 2022



Rose, Snyder & Jacobs LLP
ACCOUNTANTS & ADVISORS

TABLE OF CONTENTS

INDEPENDENT AUDITORS' REPORT	1 - 4
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS	5
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS	6
NOTES TO FINANCIAL STATEMENTS	7 - 12
SUPPLEMENTAL SCHEDULE	
Schedule of Assets (Held at End of Year)	13



INDEPENDENT AUDITORS' REPORT

To the Plan Trustees of
Arrowhead 401(k) Plan and Trust

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed an audit of the financial statements of Arrowhead 401(k) Plan and Trust, an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year then ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audit of Arrowhead 401(k) Plan and Trust's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit need not extend to any statements or information related to assets held for investment of the plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained a certification from a qualified institution as of and for the years ended December 31, 2022 and 2021, stating that the certified investment information, as described in Note 5 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audit and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the Financial Statements section—

- the amounts and disclosures in the financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.
- the information in the financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of Arrowhead 401(k) Plan and Trust and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Arrowhead 401(k) Plan and Trust's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments; administering the plan; and determining that the plan's transactions that are presented and disclosed in the financial statements are in conformity with the plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor's Responsibilities for the Audit of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of Arrowhead 401(k) Plan and Trust's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Arrowhead 401(k) Plan and Trust's ability to continue as a going concern for a reasonable period of time.

Our audit did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter—Supplemental Schedules Required by ERISA

The supplemental schedule of assets held at year end as of December 31, 2022 is presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion—

- the form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- the information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Rose, Snyder & Jacobs LLP

Rose, Snyder & Jacobs LLP

Encino, California

October 4, 2023

ARROWHEAD 401(K) PLAN AND TRUST
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2022 AND 2021

ASSETS		
	<u>2022</u>	<u>2021</u>
INVESTMENTS, note 6		
Shares of registered investment companies	\$ 26,013,673	\$ 24,485,827
Common collective trusts	<u>3,192,166</u>	<u>3,353,476</u>
TOTAL INVESTMENTS	29,205,839	27,839,303
RECEIVABLES		
Notes receivable from participants, note 8	<u>165,800</u>	<u>181,687</u>
TOTAL ASSETS	<u>\$ 29,371,639</u>	<u>\$ 28,020,990</u>
NET ASSETS AVAILABLE FOR BENEFITS	<u>\$ 29,371,639</u>	<u>\$ 28,020,990</u>

See independent auditors' report
and notes to financial statements.

ARROWHEAD 401(K) PLAN AND TRUST
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
FOR THE YEAR ENDED DECEMBER 31, 2022

ADDITIONS TO NET ASSETS

CONTRIBUTIONS:

Participants	\$ 4,548,173
Employer	1,842,625
Rollovers	<u>1,245,525</u>

TOTAL CONTRIBUTIONS	<u>7,636,323</u>
---------------------	------------------

INVESTMENT INCOME (LOSSES):

Interest on notes receivable from participants	7,864
Dividends	600,993
Net investment loss from common collective trust	(554,381)
Net investment loss from registered investment companies	<u>(5,182,377)</u>

TOTAL INVESTMENT INCOME (LOSSES)	<u>(5,127,901)</u>
----------------------------------	--------------------

TOTAL ADDITIONS TO NET ASSETS	<u>2,508,422</u>
-------------------------------	------------------

DEDUCTIONS FROM NET ASSETS

Benefits paid to participants	1,057,648
Corrective distributions	11,548
Administrative expenses	<u>88,577</u>

TOTAL DEDUCTIONS FROM NET ASSETS	<u>1,157,773</u>
----------------------------------	------------------

NET INCREASE IN NET ASSETS AVAILABLE FOR BENEFITS	1,350,649
---	-----------

NET ASSETS AVAILABLE FOR BENEFITS, BEGINNING OF YEAR	<u>28,020,990</u>
--	-------------------

NET ASSETS AVAILABLE FOR BENEFITS, END OF YEAR	<u><u>\$ 29,371,639</u></u>
--	-----------------------------

See independent auditors' report
and notes to financial statements.

Note 1 – Description of Plan and Contributions

The following description of the Arrowhead 401(k) Plan and Trust (the "Plan") is provided for general information purposes only. Arrowhead Pharmaceuticals, Inc. (the "Company") is the Plan Sponsor. The Plan became effective January 15, 2005, and was designed to encourage employees to save for retirement and stay with the Company until their retirement. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions.

General: The Plan is a defined contribution plan established for the benefit of all employees of the Company. The Plan is intended to satisfy all of the requirements for a qualified retirement plan under the appropriate provisions of the Internal Revenue Code ("IRC") and similar state tax laws. Fidelity Management Trust Company serves as the trustee of the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended ("ERISA").

Eligibility: Employees may participate in the Plan, upon hiring, unless they are a resident of Puerto Rico, a leased employee, or a part-time employee who works less than 30 hours per week or is an intern. Part-time employees who work less than 30 hours per week will become eligible to participate in the Plan on the first entry date after they have reached age 21 and have completed at least 1,000 hours of service during an eligibility computation period.

Participant Contributions: Participants may voluntarily contribute to the Plan up to 100% of eligible earnings, subject to limitations of the Internal Revenue Code, as defined by the Plan agreement.

Employer Contributions: The Company's matching contribution equals 100% of the first 3% of the participant's compensation and 50% on the next 2% of the participant's compensation. Matching contributions are determined each payroll period. All employer contributions are invested in the same manner that the participant directs his or her investments.

Investment Direction: Each participant directs the investment of all assets attributable to their respective account.

Vesting: The participants, employer, and rollover contributions are 100% vested upon entering the Plan.

Notes Receivable from Participants: The Plan allows loans to participants up to 50% of their vested account balance, up to a maximum of \$50,000. The minimum loan amount is \$1,000. Loan repayments are made through payroll deductions and must generally be repaid within five years. Loans to acquire a principal residence may be repaid in excess of five years but no more than ten years. Loans are collateralized by the vested balance in the participant's account and bear interest at a rate commensurate with local prevailing rates.

See independent auditors' report.

Note 2 – Summary of Significant Accounting Policies

A summary of the Plan's significant accounting policies applied in the preparation of the accompanying financial statements is as follows:

Use of Estimates: The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the Plan Administrator to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results may differ from those estimates.

Notes Receivable from Participants: Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent notes receivable from participants are recorded as a distribution based upon the terms of the Plan document.

Payment of Benefits: Benefit payments to participants are recorded upon distribution.

Investment Valuation and Income Recognition: The Plan's investments are reported at fair value. Fair value is the price that would be received to sell an asset or would be paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 6 for a discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Management fees and operating expenses charged to the Plan are either deducted from income earned on a daily basis or presented as administrative expenses in the statement of changes in net assets available for benefits.

Investment Contracts: The Plan, through the Putnam Stable Value Fund ("PSVF"), ClearBridge Large Cap Growth Fund ("CBLGX"), Lord Abbett Core Bond Fund ("LAPLX"), and Wilmington Trust International Stock Fund ("WTISF") collective trust investments (the "Funds"), holds investments in common collective trust funds (the "Trust Funds"). The Trust Funds are valued based upon significant observable inputs, not based upon quoted market prices in an active market. The value is based upon the units of the Trust Fund held by the Plan at year end multiplied by the respective unit value. The unit value is based on the fair value of the underlying investments.

The Putnam Stable Value Fund shares' investment objective is to seek safety of principal and consistency of returns while attempting to maintain minimal volatility. The Putnam Stable Value Fund is primarily comprised of investment contracts including Guaranteed Investment Contracts (GICs), Separate Account GICs, and Security Backed Investment Contracts. GICs are issued by insurance companies which guarantee the return of principal and a stated rate of interest.

See independent auditors' report.

Note 2 – Summary of Significant Accounting Policies (Continued)

Investment Contracts (Continued): The ClearBridge Large Cap Growth Fund's investment objective is to seek long-term growth of capital through investing in stable, select and cyclical growth stocks. It has a concentrated large cap growth portfolio managed with a high conviction, low turnover approach.

The Lord Abbett Core Bond Fund seeks to deliver current income and the opportunity for capital appreciation by investing in a wide range of fixed income securities, including U.S. investment grade and high yield corporate bonds, mortgage-backed, asset-backed, and government-related securities, with select allocations to non-U.S. (including emerging market) debt securities.

The Wilmington Trust International Stock Fund seeks to achieve long-term capital appreciation by investing primarily in equity securities of companies outside the United States. The fund may invest in any number of companies from one country or industry.

Employer initiated events, if material, may affect the underlying economics of investment contracts. These events include plant closings, layoffs, plan termination, bankruptcy or reorganization, merger, early retirement incentive programs, tax disqualification of a trust or other events. The occurrence of one or more employer initiated events could limit the Trust's ability to transact at contract value with plan unitholders. The plan administrator does not believe that any of the events which could limit the Plan's ability to transact at contract value with participants are probable of occurring.

Note 3 – Income Tax Status

The IRS has determined and the Plan trustee has been informed by a letter dated June 30, 2020, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code (IRC). Although the Plan has been amended since receiving the determination letter, the Plan administrator believes that the Plan is designed, and is currently being operated, in compliance with the applicable requirements of the IRC and, therefore, believes that the Plan is qualified, and the related trust is tax-exempt.

Note 4 – Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to terminate the Plan subject to the provisions of the Employee Retirement Income Security Act of 1974. Upon termination of the Plan, further contributions to the Plan shall cease and all participants who are affected by such termination would receive distributions of their account balances. Net assets available for benefits would be distributed to the participants based on each participant's interest in the Plan.

See independent auditors' report.

Note 5 – Information Certified by The Trustee

Certain information related to investments and notes receivable from participants disclosed in the accompanying financial statements and supplemental schedule, including investments and notes receivable from participants held at December 31, 2022 and 2021, net investment loss from common collective trust and registered investment companies, interest and dividends for the year ended December 31, 2022, was obtained or derived from information supplied to the plan administrator and certified as complete and accurate by Fidelity Management Trust Company, and, accordingly, are unaudited as permitted by ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor Rules and Regulations.

Note 6 – Fair Value Measurements

FASB Accounting Standards Codification Topic No. 820, Fair Value Measurements and Disclosures ("ASC 820"), establishes a framework for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy under ASC 820 are described below:

Level 1: Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2: Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

See independent auditors' report.

Note 6 – Fair Value Measurements (Continued)

Following are descriptions of the valuation methodologies used for assets measured at fair value:

Mutual funds: Mutual funds held by the Plan are open-end mutual funds that are registered with the Securities and Exchange Commission. The fair value of mutual fund investments are based upon the closing net asset value per share of the mutual fund on the day of the valuation as reflected on the active market on which the individual funds are traded. The mutual funds held by the Plan are deemed to be actively traded.

Common collective trust: This investment is measured using the net asset value per share practical expedient as of December 31, 2022. There are no participant redemption restrictions for these investments; the redemption notice period is applicable only to the Plan.

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2022:

Assets at Fair Value as of December 31, 2022				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 26,013,673	\$ -	\$ -	\$ 26,013,673
Total investments at fair value	<u>\$ 26,013,673</u>	<u>\$ -</u>	<u>\$ -</u>	\$ 26,013,673
Common collective trusts measured at NAV*				<u>3,192,166</u>
Total investments				<u>\$ 29,205,839</u>

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2021:

Assets at Fair Value as of December 31, 2021				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 24,485,827	\$ -	\$ -	\$ 24,485,827
Total investments at fair value	<u>\$ 24,485,827</u>	<u>\$ -</u>	<u>\$ -</u>	\$ 24,485,827
Common collective trusts measured at NAV*				<u>3,353,476</u>
Total investments				<u>\$ 27,839,303</u>

* Certain investments that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the Statements of Net Assets Available for Benefits.

The valuation techniques used to measure fair value of the investments are included in Note 2.

See independent auditors' report.

Note 7 – Exempt Party-In-Interest and Related Party Transactions

Certain plan investments are shares of mutual funds managed by Fidelity Management Trust Company. Fidelity Management Trust Company is the trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions. Investments managed by Fidelity Management Trust Company totaled \$5,837,498 at December 31, 2022. Fees paid by the Plan for investment management services are included as a reduction of the return earned on each fund. The Plan issues loans to participants, which are secured by the balance in the participant's account. Such transactions are also considered related party transactions. For the year ended December 31, 2022, total principal amounts of \$90,087 of loans were issued to participants.

Note 8 – Notes Receivable from Participants

Notes receivable from participants bear interests ranging from 4.25% to 7.25% and are receivable in monthly installments over a period of one to five years. The total loan balance is \$165,800 at December 31, 2022

Note 9 – Risk and Uncertainties

The Plan provides for various investment options in funds which participants can invest in a combination of investment securities. Investments are exposed to various risks such as interest rate, market and credit. Due to the level of risk associated with certain investments, it is at least reasonably possible that changes in the values of investments will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the Statements of Net Assets Available for Benefits and the Statement of Changes in Net Assets Available for Benefits.

Note 10 – Subsequent Event

The Plan has evaluated events occurring after the date of the accompanying statement of net assets available for benefits through October 4, 2023 the date the financial statements are available for issuance. The Plan did not identify any material subsequent events requiring adjustment to or disclosure in the accompanying financial statements.

See independent auditors' report.

SUPPLEMENTAL SCHEDULE

Schedule H, line 4i - Schedule of Assets (Held at End of Year)

(a)	(b)	(c)	(d)	(e)
Party-in	Identity of issue,	Description of investment including		Current
-interest	borrower, lessor, or	maturity date, rate of interest, collateral,	Cost	value
	similar party	par, or maturity value		
*	Fidelity 500 Index Fund	Registered investment company	**	\$ 4,057,675
	BlackRock LifePath Index 2040 Fund K	Registered investment company	**	\$ 3,283,220
	BlackRock LifePath Index 2050 Fund K	Registered investment company	**	\$ 2,239,730
	BlackRock LifePath Index 2045 Fund K	Registered investment company	**	\$ 2,193,754
	BlackRock LifePath Index 2030 Fund K	Registered investment company	**	\$ 2,053,939
	BlackRock LifePath Index 2025 Fund K	Registered investment company	**	\$ 1,762,986
	BlackRock LifePath Index 2055 Fund K	Registered investment company	**	\$ 1,745,576
	BlackRock LifePath Index Retirement Fund	Registered investment company	**	\$ 1,621,185
	BlackRock LifePath Index 2035 Fund K	Registered investment company	**	\$ 1,316,438
*	Fidelity Small Cap Index Fund	Registered investment company	**	\$ 1,135,234
	ClearBridge Large Cap Growth Fund Class R1	Common collective trust	**	\$ 1,011,821
	Lord Abbett Core Bond Fund Class R1	Common collective trust	**	\$ 961,613
	Putnam Stable Value Fund	Common collective trust	**	\$ 895,392
	BlackRock LifePath Index 2060 Fund	Registered investment company	**	\$ 848,500
	Victory Sycamore Established Value R6	Registered investment company	**	\$ 650,795
*	Fidelity Mid Cap Index Fund	Registered investment company	**	\$ 644,589
	JPMorgan U.S. Value Fund Class R6	Registered investment company	**	\$ 480,896
	Invesco Developing Markets R6	Registered investment company	**	\$ 428,216
	Eaton Vance Atlanta Capital SMID-Cap R6	Registered investment company	**	\$ 397,511
	Cohen & Steers Real Estate Securities Z	Registered investment company	**	\$ 358,093
	Franklin Small-Mid Cap Growth Fund Class R6	Registered investment company	**	\$ 342,980
	Wilmington Trust International Stock Fund Class R1	Common collective trust	**	\$ 323,340
	PGIM Jennison Utility Fund- Class Z	Registered investment company	**	\$ 292,372
	Allspring Discovery SMID Cap Growth Fund - Class Inst	Registered investment company	**	\$ 159,984
*	Notes receivable from participants	Rates 4.25%- 7.25% maturing in 2023 - 2027	-0-	\$ 165,800
*	Party-in-interest to the Plan for which a statutory exemption exists.			
**	Cost information has been omitted for participant-directed investments.			

See independent auditors' report.

Plan: 53962

Arrowhead 401(k) Plan and Trust
SUMMARY OF NET TRUST ASSETS
Total Plan Assets as of 12/31/2022

<u>Fund Name</u>	<u>Share Balance 12/31/2022</u>	<u>Historical Cost</u>
FID 500 INDEX	30,481.334	\$3,718,006.78
BLKRK LP IDX 2040 K	204,180.372	\$3,321,672.13
BLKRK LP IDX 2050 K	129,091.075	\$2,270,252.88
BLKRK LP IDX 2045 K	129,807.933	\$2,253,375.05
BLKRK LP IDX 2030 K	142,733.787	\$2,093,760.73
BLKRK LP IDX 2025 K	129,251.203	\$1,819,611.02
BLKRK LP IDX 2055 K	98,010.981	\$1,731,676.47
BLKRK LP IDX RTMT K	132,884.042	\$1,707,618.52
BLKRK LP IDX 2035 K	85,817.314	\$1,355,633.90
FID SM CAP IDX	52,314.929	\$1,137,523.05
CB LARGE CAP GR R1	74,728.279	\$1,046,654.43
LD ABBETT CORE BOND	95,398.076	\$1,026,753.83
PUTNAM STABLE VALUE	895,391.790	\$895,391.79
BLKRK LP IDX 2060 K	53,398.376	\$896,488.43
VICTORY S EST VAL R6	14,542.897	\$643,882.77
FID MID CAP IDX	24,868.404	\$664,168.68
JPM US VALUE R6	6,932.331	\$494,064.81
INVS DEVELOP MKT R6	12,262.761	\$524,971.61
EV INC FND BOSTON R6	81,624.411	\$445,673.03
C&S REAL ESTATE Z	23,605.307	\$390,408.21
FKLN SMMIDCP GRTH R6	10,168.391	\$561,833.27
WT INTL STK FUND R1	32,627.687	\$305,925.14
PGIM J UTILITY Z	19,675.126	\$306,498.89
AS DISC SMID CPGR IS	6,825.255	\$324,723.11
FA DIVERSIFIED STK O	0.000	\$0.00
OUTSTANDING LOAN BALANCE		

Assets are presented at fair value with the exception to fully benefit responsive investment contracts which are presented at contra Auditor's Guide for financial statement presentation and disclosure information.

Run Date: 03/18/2023

<u>Price</u>	<u>Total Market Value</u>
\$133.12	\$4,057,675.18
\$16.08	\$3,283,220.38
\$17.35	\$2,239,730.15
\$16.90	\$2,193,754.07
\$14.39	\$2,053,939.19
\$13.64	\$1,762,986.41
\$17.81	\$1,745,575.57
\$12.20	\$1,621,185.31
\$15.34	\$1,316,437.60
\$21.70	\$1,135,233.96
\$13.54	\$1,011,820.90
\$10.08	\$961,612.61
\$1.00	\$895,391.79
\$15.89	\$848,500.19
\$44.75	\$650,794.64
\$25.92	\$644,589.03
\$69.37	\$480,895.80
\$34.92	\$428,215.61
\$4.87	\$397,510.88
\$15.17	\$358,092.51
\$33.73	\$342,979.83
\$9.91	\$323,340.38
\$14.86	\$292,372.37
\$23.44	\$159,983.98
\$25.76	\$0.00
	\$165,799.80

NET ASSETS 12/31/2022:	----- \$29,371,638.14	29,205,838.34
------------------------	--------------------------	---------------

ict value as in previous years. See Chapter 7 of the Fidelity