

Form 5500

Annual Return/Report of Employee Benefit Plan

OMB Nos. 1210-0110 1210-0089

2022

This Form is Open to Public Inspection

Department of the Treasury Internal Revenue Service

Department of Labor Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

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.

Part I Annual Report Identification Information

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

- A This return/report is for: a multiemployer plan, a multiple-employer plan, 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 MOLEKULE 401(K) PLAN
1b Three-digit plan number (PN) 001
1c Effective date of plan 01/01/2018
2a Plan sponsor's name (employer, if for a single-employer plan) MOLEKULE, INC.
2b Employer Identification Number (EIN) 47-3147970
2c Plan Sponsor's telephone number 352-871-3803
2d Business code (see instructions) 335310

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.

Table with 4 columns: SIGN HERE, Signature of plan administrator, Date, Enter name of individual signing as plan administrator. Includes rows for employer/plan sponsor and DFE.

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

Form 5500 (2022) v. 220413

3a Plan administrator's name and address <input checked="" type="checkbox"/> 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: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 219
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 a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits..... d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)..... h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6a(1) 116 6a(2) 90 6b 0 6c 115 6d 205 6e 0 6f 205 6g 182 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 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) (1) <input type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input checked="" type="checkbox"/> Trust (4) <input type="checkbox"/> General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) <input type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input checked="" type="checkbox"/> Trust (4) <input type="checkbox"/> 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 (1) <input checked="" type="checkbox"/> R (Retirement Plan Information) (2) <input type="checkbox"/> MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) <input type="checkbox"/> SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) <input checked="" type="checkbox"/> H (Financial Information) (2) <input type="checkbox"/> I (Financial Information – Small Plan) (3) <input type="checkbox"/> 0 A (Insurance Information) (4) <input checked="" type="checkbox"/> C (Service Provider Information) (5) <input type="checkbox"/> D (DFE/Participating Plan Information) (6) <input type="checkbox"/> 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) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

A Name of plan <u>MOLEKULE 401(K) PLAN</u>	B Three-digit plan number (PN) ▶	<u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>MOLEKULE, INC.</u>	D Employer Identification Number (EIN) <u>47-3147970</u>	

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

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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)

HUMAN INTEREST ADVISOR LLC

300 MONTGOMERY ST. SUITE 350
SAN FRANCISCO, CA 94101

47-4307706

(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?
13 27 51 15	RECORDKEEPER	31647	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(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 <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(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 <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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
(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.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(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.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(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.	

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

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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 H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A Name of plan MOLEKULE 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 MOLEKULE, INC.	D Employer Identification Number (EIN) 47-3147970

Part I	Asset and Liability Statement
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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	78768	97961
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	9390	33668
(2) U.S. Government securities.....	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred.....	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred.....	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests.....	1c(5)		
(6) Real estate (other than employer real property).....	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans.....	1c(8)	45580	29084
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts.....	1c(10)		
(11) Value of interest in master trust investment accounts.....	1c(11)		
(12) Value of interest in 103-12 investment entities.....	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	7202535	4981866
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other.....	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities.....	1d(1)		
(2) Employer real property.....	1d(2)		
e Buildings and other property used in plan operation.....	1e		
f Total assets (add all amounts in lines 1a through 1e).....	1f	7336273	5142579
Liabilities			
g Benefit claims payable.....	1g	55005	103128
h Operating payables.....	1h		
i Acquisition indebtedness.....	1i		
j Other liabilities.....	1j		
k Total liabilities (add all amounts in lines 1g through 1j).....	1k	55005	103128
Net Assets			
l Net assets (subtract line 1k from line 1f).....	1l	7281268	5039451

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)	424112	
(B) Participants.....	2a(1)(B)	918092	
(C) Others (including rollovers).....	2a(1)(C)	42111	
(2) Noncash contributions.....	2a(2)		
(3) Total contributions. Add lines 2a(1)(A), (B), (C), and line 2a(2).....	2a(3)		1384315
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)		
(B) U.S. Government securities.....	2b(1)(B)		
(C) Corporate debt instruments.....	2b(1)(C)		
(D) Loans (other than to participants).....	2b(1)(D)		
(E) Participant loans.....	2b(1)(E)	1234	
(F) Other.....	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F).....	2b(1)(G)		1234
(2) Dividends:			
(A) Preferred stock.....	2b(2)(A)		
(B) Common stock.....	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)	123247	
(D) Total dividends. Add lines 2b(2)(A), (B), and (C).....	2b(2)(D)		
(3) Rents.....	2b(3)		
(4) Net gain (loss) on sale of assets:			
(A) Aggregate proceeds.....	2b(4)(A)		
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result.....	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets:			
(A) Real estate.....	2b(5)(A)		
(B) Other.....	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B).....	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-1399458
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		109338
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	2319508	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		2319508
f Corrective distributions (see instructions).....	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees	2i(3)	31647	
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		31647
j Total expenses. Add all expense amounts in column (b) and enter total	2j		2351155
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d.....	2k		-2241817
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan.....	2l(2)		

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: **BPM LLP**

(2) EIN: **81-4234542**

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		148897

		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?.....	4e	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?	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.).....	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			

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) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

A Name of plan <u>MOLEKULE 401(K) PLAN</u>	B Three-digit plan number (PN) ▶	<u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>MOLEKULE, INC.</u>	D Employer Identification Number (EIN) <u>47-3147970</u>	

Part I	Distributions
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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	0
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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): 47-3868366

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

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: <input type="checkbox"/> last contributing employer <input type="checkbox"/> alternative <input type="checkbox"/> reasonable approximation (see instructions for required attachment).....	14a	
b The plan year immediately preceding the current plan year. <input type="checkbox"/> 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. <input type="checkbox"/> 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 _____

MOLEKULE 401(k) PLAN

**FINANCIAL STATEMENTS
AND SUPPLEMENTAL SCHEDULES**

December 31, 2022

MOLEKULE 401(k) PLAN

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INDEPENDENT AUDITORS' REPORT

To the Administrative Committee of
Molekule 401(k) Plan

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

We have performed audits of the financial statements of Molekule 401(k) Plan (the "Plan"), 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 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 audits of the 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 ("DOL's") Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits 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 ("qualified institution") in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Management has obtained a certification from a qualified institution as of December 31, 2022 and 2021, and for the ended December 31, 2022, stating that the certified investment information, as described in Note 4 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the Auditors' Responsibilities for the Audits of the Financial Statements section:

- The amounts and disclosures in the accompanying 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 ("U.S. GAAP").
- The information in the accompanying 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 audits in accordance with auditing standards generally accepted in the United States of America ("U.S. GAAS"). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audits of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. 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 the financial statements in accordance with U.S. GAAP, 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 the Plan's ability to continue as a going concern for one year after the date that 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.

Auditors' Responsibilities for the Audits of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audits 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 auditors' 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 U.S. 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 U.S. 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 the Plan'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 the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits 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 U.S. GAAP.

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 U.S. GAAP.

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

Other Matters - Supplemental Schedules Required by ERISA

The supplemental schedules of Schedule H, Line 4a - Schedule of Delinquent Participant Contributions for the year ended December 31, 2022, and Schedule H, Line 4i - Schedule of Assets (Held at End of Year) as of December 31, 2022, are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the DOL'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 schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits 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 U.S. 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 schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or are derived from the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedules 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).

BPM LLP

San Francisco, California
October 16, 2023

MOLEKULE 401(k) PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
As of December 31, 2022 and 2021

	2022	2021
ASSETS		
Investments:		
Cash - interest bearing	\$ 33,668	\$ 9,390
Mutual funds, at fair value	4,981,866	7,202,535
Total investments	5,015,534	7,211,925
Cash - non-interest bearing	97,961	78,768
Receivables:		
Employee contributions receivable	23,815	85,743
Employer contributions receivable	20,084	43,004
Notes receivable from participants	29,084	45,580
Total receivables	72,983	174,327
Total assets	5,186,478	7,465,020
Net assets available for benefits	\$ 5,186,478	\$ 7,465,020

MOLEKULE 401(k) PLAN

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

For the year ended December 31, 2022

Additions to net assets attributed to:

Interest and dividends	\$	123,247
Interest on notes receivable from participants		<u>1,234</u>

Total interest and dividend income, and interest on notes receivable from participants		<u>124,481</u>
--	--	----------------

Contributions and rollovers:

Employee contributions		856,164
Employer contributions		401,192
Rollovers		<u>42,111</u>

Total contributions and rollovers		<u>1,299,467</u>
-----------------------------------	--	------------------

Total additions to net assets		<u>1,423,948</u>
-------------------------------	--	------------------

Deductions from net assets attributed to:

Net depreciation in fair value of investments		1,399,458
Benefits paid to participants		2,271,385
Administrative expenses		<u>31,647</u>

Total deductions from net assets		<u>3,702,490</u>
----------------------------------	--	------------------

Net decrease in net assets		(2,278,542)
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Net assets available for benefits:

Beginning of year		<u>7,465,020</u>
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End of year	\$	<u><u>5,186,478</u></u>
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MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

1. Description of Plan

The following description of Molekule 401(k) Plan (the “Plan”) provides only general information. Participants should refer to the Summary Plan Description and/or Plan agreement for a more complete description of the Plan’s provisions.

General

The Plan was adopted by Molekule, Inc. (the “Company”) on January 1, 2018, and was amended and restated effective February 24, 2022 to bring the Plan into compliance with legislative and regulatory changes, as well as to update the maximum percentage of eligible compensation for deferrals from 100% of eligible compensation to 90% of eligible compensation for pre-tax deferrals, and 50% of eligible compensation for Roth deferrals. Additionally, the Plan was amended effective September 19, 2022 to update the force-out provisions for terminated participants such that the participant can elect payment in either a lump sum or installments. The Plan is a defined contribution retirement plan of the profit-sharing type containing a cash or deferred arrangement described in Internal Revenue Code (“IRC”) Section 401(k). All employees of the Company are eligible to participate in the Plan upon employment provided they are at least 21 years of age, except for employees covered by a collective bargaining agreement, leased employees, interns, and employees who are scheduled to work less than 500 hours during the Plan year. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”) and certain provisions of the IRC.

Plan Administration

The Company is the administrator of the Plan. As administrator, the Company has exclusive authority and responsibility for all matters in connection with the operation and administration of the Plan. Matrix Trust Company was the appointed custodian for the Plan for the years ended December 31, 2022 and 2021, and acted at the direction of the Plan’s administrator.

Contributions

Employees who elect to participate in the Plan may contribute a portion of their salary up to 90% of their eligible compensation for pre-tax deferrals and 50% of their eligible compensation for Roth deferrals, or up to the limits imposed by Section 402(g) of the IRC. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may elect to make Roth 401(k) contributions to the Plan and may contribute amounts representing distributions from other qualified defined benefit or contribution plans. The Company makes safe harbor matching contributions based on employee elective deferrals at a rate of 100% of the participant’s contribution, up to 4% of the participant’s eligible compensation. Additionally, the Plan allows for profit sharing contributions at the discretion of the Plan’s sponsor. In order to be eligible for a discretionary profit sharing contribution, a participant must be employed on the last day of the Plan year, except that participants who terminate prior to the Plan year end due to death, disability, or attainment of the normal retirement age of 65 would still receive an allocation of any such contributions. There were no profit sharing contributions for the year ended December 31, 2022. Participants direct the investment of their contributions into various investment options offered by the Plan.

Participant Accounts

Each participant’s account is credited with the participant’s contributions, rollovers from other qualified plans Company matching contributions, as well as an allocation of the Company’s qualified non-elective contributions, if any, and Plan earnings or losses. Participants are charged with an allocation of administrative expenses paid by the Plan. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined. Certain fees are charged to the fund investments and are offset against Plan investment income and loss as presented on the statement of changes in net assets available for benefits. Participants should refer to the prospectuses of these funds for details on the various types and amounts of investment fees charged to the Plan and their individual accounts.

MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

1. Description of Plan, continued

Vesting

Participant contributions, Company contributions, rollovers, and net earnings on these contributions, are fully vested when made or earned.

Notes Receivable from Participants

Participants are allowed one note receivable at any time and may borrow from their fund accounts a minimum of \$1,000 up to 50% of the value of their account balance, or \$50,000, whichever is less. Note receivable terms range from one to five years. The notes receivable are secured by no more than fifty percent of the balance in the participant's account and bear interest of prime plus one percentage point at the time the note receivable originates. Interest rates on notes receivable from participants as of December 31, 2022 ranged from 4.25% to 5.75% per annum. Principal and interest are paid in equal installments through payroll deductions, personal checks from employees on leave, or cashier's checks for the full payoff of the notes receivable.

Payments of Benefits

When participants leave the Company, upon termination, retirement, death, or any other reason, those participants (or their beneficiaries) may receive the vested value of their account in a single lump-sum payment. The Plan also allows for in-service withdrawals upon a participant attaining early retirement age of 59½, or having a hardship. In-service withdrawals may be taken from all vested accounts, with the exception of hardships which may only be taken from participants' elective deferral, rollover, safe harbor matching, and qualified non-elective contributions accounts. In addition, the Plan allows for withdrawals of any rollover contributions at any time.

Distributions under the Plan shall generally be made as soon as possible after the date of retirement, death, or termination of employment. Mandatory distributions of account balances under \$5,000 will be made as soon as possible. In the absence of any election by the participant, if the participant's account balance is more than \$1,000 but does not exceed \$5,000, the Plan's administrator will pay the distribution in a direct rollover to an individual retirement account designated by the Plan's administrator. If the participant's vested account balance is less than \$1,000, then the vested account balance will be distributed in cash. Under the force-out provisions of the Plan, participants may elect payment in either a lump sum or installments.

Investment Options

Upon enrollment in the Plan, a participant may direct his or her contributions in percentage increments into a series of mutual funds and an interest bearing cash account offered by the Plan. Participants may change their investment options at any time.

2. Summary of Significant Accounting Policies

Basis of Accounting

The accompanying financial statements have been prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP").

MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

2. Summary of Significant Accounting Policies, continued

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and changes therein, disclosure of contingent assets and liabilities and changes in net assets available for benefits. Actual results may differ from those estimates.

Investment Valuation and Income Recognition

Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Plan's Administrative Committee determines the Plan's valuation policies utilizing information provided by the investment advisor and custodian. See Note 3 for discussion of fair value measurements.

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

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2022 or 2021.

Payment of Benefits

Benefits are recorded when paid.

Expenses

Certain expenses of maintaining the Plan are paid by the Plan, unless otherwise paid by the Company. Expenses that are paid by the Company are excluded from these accompanying financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in net depreciation in fair value of investments.

Information Certified by the Custodian

Matrix Trust Company has prepared and certified as complete and accurate the Plan's schedule of investment assets and transactions, and net realized and unrealized gains and losses on investments, and interest and dividend income, which was used to prepare the accompanying financial statements and supplemental schedule of assets (held at end of year).

MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

3. Fair Value Measurements

Accounting standards for fair value measurements establish 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 these accounting standards 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.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used as of December 31, 2022 and 2021:

Mutual funds: Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily net asset value ("NAV") and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

3. Fair Value Measurements, continued

The following tables set forth, by level, within the fair value hierarchy, the Plan's assets, by type, at fair value as of December 31, 2022 and 2021:

	Assets at Fair Value as of December 31, 2022			
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 4,981,866	\$ -	\$ -	\$ 4,981,866

	Assets at Fair Value as of December 31, 2021			
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 7,202,535	\$ -	\$ -	\$ 7,202,535

Interest bearing and non-interest bearing cash are not included in the fair value hierarchy. The balances of interest bearing and non-interest bearing cash approximated fair value as of December 31, 2022 and 2021.

4. Certified Information

The following information included in the accompanying financial statements and supplemental schedules was obtained from data that has been prepared and certified as complete and accurate by Matrix Trust Company:

	2022	2021
Interest bearing cash	\$ 33,668	\$ 9,390
Mutual funds, at fair value	\$ 4,981,866	\$ 7,202,535
Non-interest bearing cash	\$ 97,961	\$ 78,768
Notes receivable from participants	\$ 29,084	\$ 45,580
Interest and dividends	\$ 123,247	N/A
Interest on notes receivable from participants	\$ 1,234	N/A
Net depreciation in fair value of investments	\$ (1,399,458)	N/A

5. Related-Party Transactions and Party-in-Interest Transactions

The Plan has non-interest bearing cash in an account managed by Matrix Trust Company, the custodian of the Plan. Additionally, participants may borrow from their vested account balance in the form of notes receivable. Such transactions, while considered party-in-interest transactions under ERISA regulations, are permitted under the provisions of the Plan, and are specifically exempt from the prohibition of party-in-interest transactions under ERISA.

MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

6. Tax Status

The Plan uses a prototype plan document sponsored by CCH Incorporated DBA FTWilliam.com (“CCH”). CCH received an opinion letter from the Internal Revenue Service (“IRS”) dated June 30, 2020 which states that the prototype document satisfies the applicable provisions of the IRC. The Plan itself has not received a determination letter from the IRS. The Plan has been amended since receiving the opinion letter. However, the Plan’s management believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC. Therefore, no provision for income tax has been included in the Plan’s financial statements

7. Plan Termination

The Company has established the Plan with the intention and expectation that the Plan will continue indefinitely. However, the Company reserves the right at any time to terminate the Plan subject to the provisions of ERISA. In the event of termination of the Plan, distributions will be made to participants as described in the Plan agreement.

8. Risks and Uncertainties

The Plan provides for various investment options in any combination of mutual funds and cash accounts offered by the Plan. Investment securities are exposed to various risks, such as interest rate, market fluctuations and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in risks in the near term would 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.

As of December 31, 2022 and 2021, approximately 78% and 77%, respectively, of net assets available for benefits were held in three mutual funds offered by the Plan.

9. Reconciliation of Financial Statements to Form 5500

The following table is a reconciliation of net assets available for benefits per the financial statements to Form 5500 as of December 31:

	2022	2021
Net assets available for benefits per the financial statements	\$ 5,186,478	\$ 7,465,020
Employee contributions receivable	(23,815)	(85,743)
Employer contributions receivable	(20,084)	(43,004)
Benefits paid in 2022 and recorded on financial statements in 2022, recorded in Form 5500 in 2021	-	(55,005)
Benefits paid in 2023 to be recorded on financial statements in 2023, recorded in Form 5500 in 2022	(103,128)	-
Net assets available for benefits per Form 5500	\$ 5,039,451	\$ 7,281,268

MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

9. Reconciliation of Financial Statements to Form 5500, continued

The following is a reconciliation of net decrease in net assets per the financial statements to Form 5500 for the year ended December 31, 2022:

Net decrease in net assets available for benefits per financial statements	\$ (2,278,542)
2022 employee contributions accrued on financial statements, to be recorded on Form 5500 in 2023	(23,815)
2021 employee contributions accrued on financial statements, recorded on Form 5500 in 2022	85,743
2022 employer contributions accrued on financial statements, to be recorded on Form 5500 in 2023	(20,084)
2021 employer contributions accrued on financial statements, recorded on Form 5500 in 2022	43,004
Benefits paid in 2023 to be recorded on financial statements in 2023, recorded on Form 5500 in 2022	(103,128)
Benefits paid in 2022 and recorded on financial statements in 2022, recorded on Form 5500 in 2021	<u>55,005</u>
Total net loss per Form 5500	<u>\$ (2,241,817)</u>

10. Subsequent Events

In accordance with accounting standards affecting disclosures of subsequent events, the Plan evaluated subsequent events for recognition and disclosure through October 16, 2023, the date which these financial statements were available to be issued.

On January 12, 2023, AeroClean Technologies, Inc. and its affiliates completed an acquisition of the Company. In conjunction with this transaction, the Company continued as a surviving entity and a wholly-owned subsidiary of AeroClean Technologies, Inc. In connection with this transaction, AeroClean Technologies, Inc. changed its name from AeroClean Technologies, Inc. to Molekule Group, Inc.

Effective May 22, 2023, the Plan was amended to exclude non-resident aliens from being eligible to participate in the Plan.

Effective September 1, 2023, the Plan was amended and restated for a change in the Plan's custodian and trustee to Fidelity Management Trust Company. In conjunction with this amendment and restatement, the Plan changed names to Molekule Group 401(k) Plan, changed the Plan's administrator and sponsoring employer to Molekule Group, Inc., and added Molekule, Inc. as a participating employer. In addition, AeroClean Technologies, Inc. 401(k) Plan merged with and transferred its plan assets and participants into the Molekule Group 401(k) Plan in September 2023.

The September 1, 2023 amendment and restatement also updated the maximum percentage of eligible compensation for elective deferrals to 90% for all types of elective deferrals, and allowed for additional discretionary employer matching contributions to be made to eligible participants, with any such contributions to be allocated over each Plan year.

On September 28, 2023, Plan assets were transferred from Matrix Trust Company to Fidelity Management Trust Company in conjunction with the change in custodian and trustee.

MOLEKULE 401(k) PLAN
NOTES TO FINANCIAL STATEMENTS
December 31, 2022

10. Subsequent Events, continued

On October 3, 2023, Molekule Group, Inc. and its wholly-owned subsidiary, Molekule, Inc., filed a voluntary petition in the U.S. Bankruptcy Court for the Southern District of Florida for relief under the provisions of Chapter 11 of Title 11 of the U.S. Code.

Management concluded that no other material subsequent events have occurred since December 31, 2022 which would require recognition or disclosure in these financial statements.

SUPPLEMENTAL SCHEDULES

MOLEKULE 401(k) PLAN

EIN: 47-3147970

Plan Number 001

Schedule H, Line 4a

SCHEDULE OF DELINQUENT PARTICIPANT CONTRIBUTIONS

For the year ended December 31, 2022

Participant Contributions Transferred Late to Plan	Total that Constitute Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP and Prohibited Transaction Exemption 2002-51
Check here if Late Participant Loan Repayments are included. <input checked="" type="checkbox"/>	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	
\$ 53,383	\$ -	\$ 53,383 (1)	\$ -	\$ -
\$ 95,514	\$ -	\$ 95,514 (2)	\$ -	\$ -

(1) Represents delinquent participant contributions in 2021. The Company remitted the delinquent participant contributions plus lost earnings to the Plan in 2022.

(2) Represents delinquent participant contributions in 2022. The Company remitted the delinquent participant contributions plus lost earnings to the Plan in 2022.

MOLEKULE 401(k) PLAN
EIN: 47-3147970
Plan Number 001
Schedule H, Line 4i
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
As of December 31, 2022

(a)	(b)	(c)	(e)
	Identity of Issuer, Borrower, Lessor or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral Par, or Maturity Value	Current Value
*	Cash	Non-interest bearing cash	\$ 97,961
	Banc Master Deposit Account A	Interest bearing cash	\$ 33,668
	DFA Emerging Markets Small Cap I	Mutual fund	\$ 1,290
	DFA Global Real Estate Securities Portfolio	Mutual fund	\$ 3,794
	DFA International Small Company I	Mutual fund	\$ 1,292
	TIAA-CREF Social Choice Equity Premier	Mutual fund	\$ 3,518
	Vanguard 500 Index Admiral	Mutual fund	\$ 69,091
	Vanguard Developed Markets Index Admiral	Mutual fund	\$ 39,680
	Vanguard Emerging Markets Stock Index Admiral	Mutual fund	\$ 42,275
	Vanguard FTSE Social Index Admiral	Mutual fund	\$ 22,062
	Vanguard Growth Index Admiral	Mutual fund	\$ 30,373
	Vanguard Intermediate-Term Bond Index Admiral	Mutual fund	\$ 2,403
	Vanguard Mid Cap Index Admiral	Mutual fund	\$ 12,550
	Vanguard Mid-Cap Growth Index Admiral	Mutual fund	\$ 21,198
	Vanguard Mid-Cap Value Index Admiral	Mutual fund	\$ 8,470
	Vanguard Real Estate Index Admiral	Mutual fund	\$ 351,005
	Vanguard Short-Term Bond Index Admiral	Mutual fund	\$ 2,471
	Vanguard Short-Term Inflation-Protected Securities Index Admiral	Mutual fund	\$ 39,563
	Vanguard Small Cap Growth Index Admiral	Mutual fund	\$ 24,646
	Vanguard Small Cap Index Admiral	Mutual fund	\$ 10,983
	Vanguard Small Cap Value Index Admiral	Mutual fund	\$ 4,947
	Vanguard Total Bond Market Index Admiral	Mutual fund	\$ 582,802
	Vanguard Total International Bond Index Admiral	Mutual fund	\$ 243,779
	Vanguard Total International Stock Index Admiral	Mutual fund	\$ 1,327,612
	Vanguard Total Stock Market Index Adm	Mutual fund	\$ 2,125,537
	Vanguard Value Index Admiral	Mutual fund	\$ 10,525
*	Participant loans	4.25% to 5.75%, various maturities	\$ 29,084

* Party-in-interest

MOLEKULE 401(k) PLAN
EIN: 47-3147970
Plan Number 001
Schedule H, Line 4i
SCHEDULE OF ASSETS (HELD AT END OF YEAR)
As of December 31, 2022

(a)	(b)	(c)	(e)
	Identity of Issuer, Borrower, Lessor or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral Par, or Maturity Value	Current Value
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	Vanguard Total Stock Market Index Adm	Mutual fund	\$ 2,125,537
	Vanguard Value Index Admiral	Mutual fund	\$ 10,525
*	Participant loans	4.25% to 5.75%, various maturities	\$ 29,084

* Party-in-interest