The Securities and Exchange Commission has not necessarily reviewed the information in this filing and has not determined if it is accurate and complete.

The reader should not assume that the information is accurate and complete.

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM D OMB Number: 32 Estimated average burden

OMB Number: 3235-0076 Estimated average burden hours per response: 4.00

OMB APPROVAL

Notice of Exempt Offering of Securities

1. Issuer's Identity			
CIV (Filor ID Number)	Previous	None	Entity Type
CIK (Filer ID Number)	Names	None	Entity Type
0001501697	Arsanis, Inc.		X Corporation
Name of Issuer			Limited Partnership
X4 Pharmaceuticals, Inc			Limited Liability Company
Jurisdiction of Incorporation/Org	ganization		General Partnership
DELAWARE			Business Trust
Year of Incorporation/Organizat	ion		H
X Over Five Years Ago			Other (Specify)
Within Last Five Years (Spe	ecify Year)		
Yet to Be Formed			
2. Principal Place of Business	and Contact Information		
Name of Issuer			
X4 Pharmaceuticals, Inc			
Street Address 1		Street Address 2	
61 NORTH BEACON STREET		4TH FLOOR	
	State/Province/Country	ZIP/PostalCode	Phone Number of Issuer
City BOSTON	MASSACHUSETTS	02134	857-529-8300
DOSTON	MASSACHOSETTS	02134	037-329-0300
3. Related Persons			
Last Name	First Name		Middle Name
Ragan	Paula		
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Co	untry	ZIP/PostalCode
Boston	MASSACHUSETT	S	02134
Relationship: $\overline{\mathbf{X}}$ Executive Office	cer X Director Promoter		
Clarification of Response (if Nec	cessary):		
Last Name	First Name		Middle Name
Mostafa	Adam		made Hame
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Co	untry	ZIP/PostalCode
Boston	MASSACHUSETT	=	02134
Relationship: X Executive Office			0210
Clarification of Response (if Nec			
Last Name	First Name		Middle Name
DiBiase	Mary		
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Co	-	ZIP/PostalCode
Boston	MASSACHUSETT	S	02134
Relationship: X Executive Office	cer Director Promoter		

Clarification of Response (if Nece	ssary):		
Last Name	First Name	Middle Name	
Baldry	Mark		
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Country	ZIP/PostalCode	
Boston	MASSACHUSETTS	02134	
Relationship: X Executive Office		3-20	
Clarification of Response (if Nece	ssary):		
Last Name	First Name	Middle Name	
Taveras	Arthur	madio Hamo	
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Country	ZIP/PostalCode	
Boston	MASSACHUSETTS	02134	
_		02104	
Relationship: X Executive Office			
Clarification of Response (if Nece	ssary): 		
Last Name	First Name	Middle Name	
Stewart	Murray		
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Country	ZIP/PostalCode	
Boston	MASSACHUSETTS	02134	
Relationship: X Executive Office	er X Director Promoter		
Clarification of Response (if Nece	ssary):		
Last Name	First Name	Middle Name	
Aliski	William	madio Hamo	
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Country	ZIP/PostalCode	
Boston	MASSACHUSETTS	02134	
	er X Director Promoter	02181	
Clarification of Response (if Nece			
Last Name	First Name	Middle Name	
Lawton	Alison	Middle Name	
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
		ZIP/PostalCode	
City	State/Province/Country MASSACHUSETTS	02134	
Boston		02134	
Relationship: Executive Office	er X Director Promoter		
Clarification of Response (if Nece	ssary):		
Last Name	First Name	Middle Name	
Bridger	Gary		
Street Address 1	Street Address 2		
61 North Beacon Street	4th Floor		
City	State/Province/Country	ZIP/PostalCode	
Boston	MASSACHUSETTS	02134	
Relationship: Executive Office	er X Director Promoter		
Clarification of Response (if Nece	ssary):		
Last Name	First Name	Middle Name	

de Craecker	Francoise	
Street Address 1	Street Address 2	
61 North Beacon Street	4th Floor	
City	State/Province/Country	ZIP/PostalCode
Boston	MASSACHUSETTS	02134
Relationship: Executive Officer X Dire	ector Promoter	
Clarification of Response (if Necessary):		
Last Name	First Name	Middle Name
McGirr	David	
Street Address 1	Street Address 2	
61 North Beacon Street	4th Floor	
City	State/Province/Country	ZIP/PostalCode
Boston	MASSACHUSETTS	02134
Relationship: Executive Officer X Dire	ector Promoter	
Clarification of Response (if Necessary):		
——————————————————————————————————————		
Last Name	First Name	Middle Name
Wyzga	Michael	
Street Address 1	Street Address 2	
61 North Beacon Street	4th Floor	
City	State/Province/Country	ZIP/PostalCode
Boston	MASSACHUSETTS	02134
Relationship: \square Executive Officer \boxed{X} Dire	ector Promoter	
Clarification of Response (if Necessary):		
4. Industry Group		
Agriculture	Health Care	Data:line
Banking & Financial Services	X Biotechnology	Retailing
		Restaurants
Commercial Banking	Health Insurance	Technology
Insurance	Hospitals & Physicians	Computers
Investing	Pharmaceuticals	
Investment Banking		Telecommunications
Pooled Investment Fund	Other Health Care	Other Technology
Is the issuer registered as	Manufacturing	Travel
an investment company under	Real Estate	Airlines & Airports
the Investment Company Act of 1940?	Commercial	
Yes No	Construction	Lodging & Conventions
Other Banking & Financial Service		Tourism & Travel Services
	REITS & Finance	Other Travel
Business Services	Residential	Other
Energy	Other Real Estate	U Other
Coal Mining	Utilei Real Estate	
Electric Utilities		
Energy Conservation		
Environmental Services		
Oil & Gas		
Other Energy		
5. Issuer Size		
Revenue Range OR	Aggregate Net Asset Va	alue Range
No Revenues	No Aggregate Net A	
\$1 - \$1,000,000	\$1 - \$5,000,000	
		0.000
\$1,000,001 - \$5,000,000	\$5,000,001 - \$25,00	0,000

\$5,000,001 - \$25,000,000	\$25,000,001 - \$50,000,000			
\$25,000,001 -	\$50,000,001 - \$100,000,000			
\$100,000,000 Over \$100,000,000	Over \$100,000,000			
X Decline to Disclose	Decline to Disclose			
Not Applicable	Not Applicable			
6. Federal Exemption(s) and Exclusion(s) Claime	ed (select all that apply)			
	Investment Company Act Section 3(c)			
	Section 3(c)(1) Section 3(c)(9)			
Rule 504(b)(1) (not (i), (ii) or (iii))				
Rule 504 (b)(1)(i)	Section 3(c)(2) Section 3(c)(10)			
Rule 504 (b)(1)(ii)	Section 3(c)(3) Section 3(c)(11)			
Rule 504 (b)(1)(iii) X Rule 506(b)	Section 3(c)(4) Section 3(c)(12)			
Rule 506(c)	Section 3(c)(5) Section 3(c)(13)			
Securities Act Section 4(a)(5)	Section 3(c)(6) Section 3(c)(14)			
	Section 3(c)(7)			
7. Type of Filing				
	First Sale Yet to Occur			
Amendment				
8. Duration of Offering				
Does the Issuer intend this offering to last more tha	n one year? Yes X No			
9. Type(s) of Securities Offered (select all that ap	ply)			
V Cavity	Decled Investment Fund Interests			
X Equity Pooled Investment Fund Interests				
Debt Tenant-in-Common Securities Variant or Other Right to Acquire Another Security Mineral Property Securities				
Security to be Acquired Unon Evercise of Ontion, Warrant or Other				
Right to Acquire Security Other (describe)				
10. Business Combination Transaction				
Is this offering being made in connection with a business combination transaction, such as a merger, acquisition or exchange offer?				
Clarification of Response (if Necessary):				
11. Minimum Investment				
Minimum investment accepted from any outside inv	restor \$0 USD			
12. Sales Compensation				
Recipient	Recipient CRD Number None			
Stifel, Nicolaus & Company, Inc.	793			
Stifel, Nicolaus & Company, Inc. (Associated) Broker or Dealer X None				
	793			
(Associated) Broker or Dealer X None None Street Address 1	793 (Associated) Broker or Dealer CRD Number X None			
(Associated) Broker or Dealer X None None Street Address 1 One South Street, 15th Floor	793 (Associated) Broker or Dealer CRD Number X None None Street Address 2	ZID/Destel Ossis		
(Associated) Broker or Dealer X None None Street Address 1 One South Street, 15th Floor City	793 (Associated) Broker or Dealer CRD Number X None None Street Address 2 State/Province/Country	ZIP/Postal Code		
(Associated) Broker or Dealer X None None Street Address 1 One South Street, 15th Floor City Baltimore State(s) of Solicitation (select all that apply)	793 (Associated) Broker or Dealer CRD Number X None None Street Address 2 State/Province/Country MARYLAND	ZIP/Postal Code 21202		
(Associated) Broker or Dealer X None None Street Address 1 One South Street, 15th Floor City Baltimore State(s) of Solicitation (select all that apply) Check "All States" or check individual States	793 (Associated) Broker or Dealer CRD Number X None None Street Address 2 State/Province/Country			
(Associated) Broker or Dealer X None None Street Address 1 One South Street, 15th Floor City Baltimore State(s) of Solicitation (select all that apply) Check "All States" or check individual States CONNECTICUT	793 (Associated) Broker or Dealer CRD Number X None None Street Address 2 State/Province/Country MARYLAND			
(Associated) Broker or Dealer X None None Street Address 1 One South Street, 15th Floor City Baltimore State(s) of Solicitation (select all that apply) Check "All States" or check individual States CONNECTICUT DELAWARE	793 (Associated) Broker or Dealer CRD Number X None None Street Address 2 State/Province/Country MARYLAND			
(Associated) Broker or Dealer X None None Street Address 1 One South Street, 15th Floor City Baltimore State(s) of Solicitation (select all that apply) Check "All States" or check individual States CONNECTICUT	793 (Associated) Broker or Dealer CRD Number X None None Street Address 2 State/Province/Country MARYLAND			

Recipient CRD Number \ None Recipient States & Ca. (Associated) Broker or Dealer \ None None None None None None None None None Street Address 2 States Address 2 Street Address 2 Street Address 3 Street Address 4 Street Address 4 Street Address 5 Street Address 5 Street Address 6 Foreign/non-US Street Address 7 Street Address 7 Street Address 7 Street Address 8 ZIPPostat Code MINNSOTA States Foreign/non-US Recipient Recipient Recipient CRD Number \ None Recipient Recipient CRD Number \ None None	MASSACHUSETTS		
Recipient CRD Number None Piper Smaller & Co. (Associlated) Broker or Dealer None None None None None None None None	NEW YORK		
Pipes Sandler & Co. (Associated) Broker or Dealer [X] None None None None None None None None	OREGON		
Pipes Sandler & Co. (Associated) Broker or Dealer [X] None None None None None None None None			
Associated Broker or Dealer None	Recipient	Recipient CRD Number None	
Street Address 1 Street Address 2 Street Address 2 Street Address 2 Street Address 2 Street Address 3 States Province Country States 9 of Solicitation (select all that apply) States 9 of Solicitation (select all that apply) STAN YOUNG NOT BE ADDRESS AND STREET ADDRESS AND STREE	Piper Sandler & Co.	665	
Street Address 1 City	(Associated) Broker or Dealer X None	(Associated) Broker or Dealer CRD Number X None	
City	None	None	
City Orac Triagnald fivestors, LLC City New York New York City New York		Street Address 2	
State(s) of Solicitation (select all that apphy) All States Foreign/mon-US		State/Drovince/Country	7ID/Dostal Codo
State(s) of Solicitation (select all that apply) Check All States or check individual States Foreign/non-US	-	-	
CONNECTICUT DELAWARE FLORIDA MASSACHUSETIS New YORK DRFCON Recipient	State(s) of Solicitation (select all that apply)		
FLORIDA MARKLAND	CONNECTICUT		
MASSACHUSETTS NEW YORK OREGON			
Recipient Recipient Recipient CRD Number None Cantor Fizegrald & Co. 134 (Associated) Broker or Dealer None None None None None None None None	MARYLAND		
Recipient CRD Number None Associated) Broker or Dealer None (Associated) Broker or Dealer None None None None Street Address 1 Street Address 2 co Cantor Fitzgerald Investors, I.I.C City State/Province/Country XIP/Postal Code New York NEW YORK 10022 State(s) of Solicitation (select all that apply) Check 'All States' or check individual States All States Foreign/non-US CONNECTICUT DEFI AWARE FLORIDA MARYLAND MASSACHUSETTS NEW YORK Orac GON DEFI AWARE FLORIDA MARYLAND MASSACHUSETTS DEFI AWARE FLORIDA MARYLAND Contain of Response (if Necessary): Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$83,263 USD or Indefinite Total Amount Sold Total Free Address 2 Cartification of Response (if Necessary): Total Offering Amount Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering:	MASSACHUSETTS		
Recipient CRD Number None Cantor Fitzgerald & Co. 134 (Associated) Broker or Dealer None None Street Address 1 Street Address 2 c/o Cantor Fitzgerald Investors, LLC 110 E. 59th Street City 110 E. 59th Street State(Ps) of Solicitation (select all that apply) New York NEW YORK 10022 CONNECTICUT DELAWARE FLORIDA MARYLAND MASSACHUSETTS NEW YORK Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Amount Sold \$83,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-second share investors who already have invested in the offering:	NEW YORK		
Cantor Fitzgerald & Co. 134 (Associated) Broker or Dealer \(\) None None None None Street Address 1 Street Address 2 co Cantor Fitzgerald Investors, I.I.C 110 F. 59th Street City State/Province/Country ZIP/Postal Code New York 10022 State(s) of Solicitation (select all that apply) Check 'All States' or check individual States All States Foreign/non-US CONNECTICUT DELAWARE FLORIDA MARYLAND MARYLAND MASSACHUSETTS NEW YORK DREGON 3. Offering and Sales Amounts Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Total Amount Sold Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering: Total Continue or the Interval of the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering: Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the lotal number of investors who already have invested in the offering: Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the lotal number of investors who already have invested in the offering:	OREGON		
Cantor Fitzgerald & Co. 134 (Associated) Broker or Dealer \(\) None None None None Street Address 1 Street Address 2 co Cantor Fitzgerald Investors, I.I.C 110 F. 59th Street City State/Province/Country ZIP/Postal Code New York 10022 State(s) of Solicitation (select all that apply) Check 'All States' or check individual States All States Foreign/non-US CONNECTICUT DELAWARE FLORIDA MARYLAND MARYLAND MASSACHUSETTS NEW YORK DREGON 3. Offering and Sales Amounts Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Total Amount Sold Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering: Total Continue or the Interval of the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering: Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the lotal number of investors who already have invested in the offering: Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the lotal number of investors who already have invested in the offering:			
Cassociated Broker or Dealer \ None	•		
None Street Address 1 Street Address 2 c/o Cantor Fitzgerald Investors, LLC LID E. 59th Street City State(Province)Country State(S) of Solicitation (select all that apply) New York NEW YORK 10022 State(s) of Solicitation (select all that apply) All States Foreign/non-US CONNECTICUT DELAWARE FLORIDA MARYLAND MASSACHUSETTS NEW YORK OREGON 13. Offering and Sales Amounts Total Offering Amount \$65,023.725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:			
Street Address 2 c/o Cantor Fitzgerald Investors, LLC City New York NEW YORK State/Province/Country State/s of Solicitation (select all that apply) Check* All States* or check individual States All States Foreign/non-US CONNECTICUT DELAWARE FLORIDA MARYLAND MASSACHUSETTS NEW YORK OREGON 13. Offering and Sales Amounts Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors All Investors Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering.	<u>—</u>		
Control Fitzgerald Investors, LLC City State/Province/Country ZIP/Postal Code New York NEW YORK 10022 State(s) of Solicitation (select all that apply) Check "All States" or check individual States All States Foreign/non-US CONNECTICUT DELAWARE FLORIDA MARYLAND MASSACHUSETTS NEW YORK DREGON 13. Offering and Sales Amounts Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering.			
City State(s) of Solicitation (select all that apply) All States Foreign/non-US CONNECTICUT DELAWARE FLORIDA MASSACHUSETTS NEW YORK NEW YORK			
New York NEW YORK 10022 State(s) of Solicitation (select all that apply) Check "All States" or check individual States			ZIP/Postal Code
CONNECTICUT DELAWARE FLORIDA MARYLAND MASSACHUSETTS NEW YORK OREGON Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	-	-	
DELAWARE FLORIDA MARYLAND MASSACHUSETTS NEW YORK OREGON Total Offering and Sales Amounts \$65,023,725 USD or Indefinite Indefinite		Foreign/non-US	
Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	CONNECTICUT		
MARYLAND MASSACHUSETTS NEW YORK OREGON 13. Offering and Sales Amounts Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	DELAWARE		
MASSACHUSETTS NEW YORK	FLORIDA		
13. Offering and Sales Amounts 15. Offering Amount 15. Offer	MARYLAND		
Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	MASSACHUSETTS		
13. Offering and Sales Amounts Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	NEW YORK		
Total Offering Amount \$65,023,725 USD or Indefinite Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	OREGON		
Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	13. Offering and Sales Amounts		
Total Amount Sold \$65,015,462 USD Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	Total Offering Amount \$45,000,705 LICE and Indefinite		
Total Remaining to be Sold \$8,263 USD or Indefinite Clarification of Response (if Necessary): "Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:			
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"Total Offering Amount" includes amounts receivable by the Issuer upon the exercise of certain warrants to purchase the Issuer's Common Stock (assuming no cashless exercise). 14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	Total Remaining to be Sold \$8,263 USD or Indefinite		
14. Investors Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:			
Select if securities in the offering have been or may be sold to persons who do not qualify as accredited investors, and enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:		on the exercise of certain warrants to purchase the Issuer's Commo	n Stock (assuming no
enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	14. Investors		
enter the number of such non-accredited investors who already have invested in the offering. Regardless of whether securities in the offering have been or may be sold to persons who do not qualify as accredited investors, enter the total number of investors who already have invested in the offering:	Select if securities in the offering have been or may be sold	to persons who do not qualify as accredited investors, and	
investors, enter the total number of investors who already have invested in the offering:	enter the number of such non-accredited investors who alre	eady have invested in the offering.	
			22
45 Octor Octorios of City and	15. Sales Commissions & Finder's Fees Expenses		

Provide separately the amounts of sales commissions and finders fees expenses, if any. If the amount of an expenditure is not known, provide an estimate and check the box next to the amount.
Sales Commissions \$4,000,000 USD X Estimate
Finders' Fees \$0 USD Estimate
Clarification of Response (if Necessary):
L6. Use of Proceeds
Provide the amount of the gross proceeds of the offering that has been or is proposed to be used for payments to any of the persons required to be named as executive officers, directors or promoters in response to Item 3 above. If the amount is unknown, provide an estimate and check he box next to the amount.
\$0 USD Estimate

Clarification of Response (if Necessary):

Signature and Submission

Please verify the information you have entered and review the Terms of Submission below before signing and clicking SUBMIT below to file this notice.

Terms of Submission

In submitting this notice, each issuer named above is:

- Notifying the SEC and/or each State in which this notice is filed of the offering of securities described and undertaking to furnish them, upon written request, in the accordance with applicable law, the information furnished to offerees.*
- Irrevocably appointing each of the Secretary of the SEC and, the Securities Administrator or other legally designated officer of the State in which the issuer maintains its principal place of business and any State in which this notice is filed, as its agents for service of process, and agreeing that these persons may accept service on its behalf, of any notice, process or pleading, and further agreeing that such service may be made by registered or certified mail, in any Federal or state action, administrative proceeding, or arbitration brought against the issuer in any place subject to the jurisdiction of the United States, if the action, proceeding or arbitration (a) arises out of any activity in connection with the offering of securities that is the subject of this notice, and (b) is founded, directly or indirectly, upon the provisions of: (i) the Securities Act of 1933, the Securities Exchange Act of 1934, the Trust Indenture Act of 1939, the Investment Company Act of 1940, or the Investment Advisers Act of 1940, or any rule or regulation under any of these statutes, or (ii) the laws of the State in which the issuer maintains its principal place of business or any State in which this notice is filed.
- Certifying that, if the issuer is claiming a Regulation D exemption for the offering, the issuer is not disqualified from relying on Rule 504 or Rule 506 for one of the reasons stated in Rule 504(b)(3) or Rule 506(d).

Each Issuer identified above has read this notice, knows the contents to be true, and has duly caused this notice to be signed on its behalf by the undersigned duly authorized person.

For signature, type in the signer's name or other letters or characters adopted or authorized as the signer's signature.

Issuer	Signature	Name of Signer	Title	Date
X4 Pharmaceuticals, Inc	/s/ Adam Mostafa	Adam Mostafa	Chief Financial Officer	2023-06-01

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

^{*} This undertaking does not affect any limits Section 102(a) of the National Securities Markets Improvement Act of 1996 ("NSMIA") [Pub. L. No. 104-290, 110 Stat. 3416 (Oct. 11, 1996)] imposes on the ability of States to require information. As a result, if the securities that are the subject of this Form D are "covered securities" for purposes of NSMIA, whether in all instances or due to the nature of the offering that is the subject of this Form D, States cannot routinely require offering materials under this undertaking or otherwise and can require offering materials only to the extent NSMIA permits them to do so under NSMIA's preservation of their anti-fraud authority.