### 900622990

### TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 ETAS ID: TM653274

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SIXTH AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT

### **CONVEYING PARTY DATA**

Name	Formerly	<b>Execution Date</b>	Entity Type
AKEBIA THERAPEUTICS, INC.		06/04/2021	Corporation: DELAWARE
KERYX BIOPHARMACEUTICALS, INC.		06/04/2021	Corporation: DELAWARE

### **RECEIVING PARTY DATA**

Name:	BIOPHARMA CREDIT PLC
Street Address:	51 NEW NORTH ROAD
Internal Address:	C/O BEAUFORT HOUSE
City:	EXETER EX4 4EP
State/Country:	UNITED KINGDOM
Entity Type:	Public Limited Company: ENGLAND AND WALES

### **PROPERTY NUMBERS Total: 1**

Property Type	Number	Word Mark
Serial Number:	86390566	AURYXIA

### CORRESPONDENCE DATA

Fax Number: 2028874288

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2028874000

Email: dlee@akingump.com

**Correspondent Name:** David C. Lee

Address Line 1: 2001 K Street, N.W. Address Line 2: Robert S. Strauss Tower Address Line 4: Washington, D.C. 20006

**ATTORNEY DOCKET NUMBER:** 687747.0050

### **DOMESTIC REPRESENTATIVE**

Name: David C. Lee

Address Line 1: 2001 K Street NW

Address Line 4: Washington, D.C. 20006

> TRADEMARK REEL: 007323 FRAME: 0610

900622990

NAME OF SUBMITTER:	David C. Lee			
SIGNATURE:	/David C. Lee/			
DATE SIGNED:	06/11/2021			
Total Attachments: 9				
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This SIXTH AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT, dated as of June 4, 2021, (this "Agreement") is made by AKEBIA THERAPEUTICS, INC. and KERYX BIOPHARMACEUTICALS, INC., (the "Grantors" and each a "Grantor"), in favor of BIOPHARMA CREDIT PLC (together with its successors and permitted assigns in such capacity, the "Collateral Agent") on behalf of Lenders and the other Secured Parties (as defined in the Loan Agreement referred to below).

### WITNESSETH

WHEREAS, pursuant to the Loan Agreement, dated as of November 11, 2019 (as the same may be amended, amended and restated, supplemented or otherwise modified from time to time, the "Loan Agreement"), by and among AKEBIA THERAPEUTICS, INC. ("Borrower"), KERYX BIOPHARMACEUTICALS, INC. (as an additional Credit Party), BIOPHARMA CREDIT PLC (as the "Collateral Agent"), BPCR LIMITED PARTNERSHIP (as a "Lender") and BIOPHARMA CREDIT INVESTMENTS V (MASTER) LP (as a "Lender"), each Lender has agreed to make extensions of credit to Borrower upon the terms and subject to the conditions set forth therein;

WHEREAS, each Grantor has agreed, pursuant to a Guaranty and Security Agreement dated as of November 25, 2019 in favor of the Collateral Agent for the benefit of Lenders and the other Secured Parties (as such agreement may be amended, amended and restated, supplemented or otherwise modified from time to time, the "Guaranty and Security Agreement"), to guarantee the Obligations (as defined in the Loan Agreement) of Borrower; and

WHEREAS, each Grantor is party to the Guaranty and Security Agreement pursuant to which Grantor executed and delivered to the Collateral Agent a Fifth Amended and Restated Intellectual Property Security Agreement, dated as of March 26, 2021 (the "Existing Intellectual Property Security Agreement");

WHEREAS, events impacting certain of the Intellectual Property Collateral (defined below) have subsequently occurred and, pursuant to the Guaranty and Security Agreement, the Grantors are required to execute and deliver to the Collateral Agent this Agreement; and

WHEREAS, this Agreement amends and restates the Existing Intellectual Property Security Agreement in its entirety;

NOW, THEREFORE, in consideration of the mutual covenants, terms and conditions set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree, intending to be legally bound, as follows:

Section 1. <u>Defined Terms</u>. Capitalized terms used herein without definition are used as defined in the Guaranty and Security Agreement.

Section 2. <u>Grant of Security Interest in IP Collateral</u>. Each Grantor, as collateral security for the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations, hereby mortgages, pledges and hypothecates to the Collateral Agent, for the benefit of Lenders and the other Secured Parties, and grants to the Collateral Agent, for the benefit of Lenders and the other Secured Parties, a Lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of such Grantor, in each case, solely to the extent constituting Collateral (and excluding any Excluded Property) (the "Intellectual Property Collateral"):

- (a) any and all United States Patents, Trademarks and other Intellectual Property and IP Licenses (including any IP Licenses under the Current Company IP Agreements to which a Grantor is a party and the rights of such Grantor thereunder, and all of a Grantor's right, title and interest in, to and under any Internet Domain Names and Software) owned by a Grantor, in each case, relating to the research, development, manufacture, production, use, commercialization, marketing, importing, storage, transport, offer for sale, distribution or sale of the Product in the Territory, including, without limitation, those referred to on Schedule 1 hereto: and
- (b) all proceeds, products, accessions, rents and profits of or in respect of any of the foregoing.
- Section 3. <u>Guaranty and Security Agreement</u>. The security interest granted pursuant to this Agreement is granted in conjunction with the security interest granted to the Collateral Agent for the benefit of Lenders and the other Secured Parties, pursuant to the Guaranty and Security Agreement and each Grantor hereby acknowledges and agrees that the obligations, rights and remedies of such Grantor and of the Collateral Agent on behalf of Lenders and the other Secured Parties with respect to the security interest in the Intellectual Property Collateral made and granted hereby are more fully set forth in the Guaranty and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.
- Section 4. <u>Grantor Remains Liable</u>. Each Grantor hereby agrees that, anything herein to the contrary notwithstanding, such Grantor shall assume full and complete responsibility for the prosecution, defense, enforcement or any other reasonably necessary actions in connection with their Intellectual Property and IP Licenses subject to a security interest hereunder.
- Section 5. <u>Counterparts</u>. This Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart.
- Section 6. Governing Law. This Agreement and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the law of the State of New York without regard to any principle of conflicts of law that could require the application of the law of any other jurisdiction.

IN WITNESS WHEREOF, each Grantor has caused this Sixth Amended and Restated Intellectual Property Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

AKEBIA THERAPEUTICS, INC.

as Grantor

By:

Name: Title: John P. Buttler President and CEO

KERYX BIOPHARMACEUTICALS, INC.

as Grantor

By:

Name: Title: ohn P. Buttle

Signature Page to Sixth Amended and Restated Intellectual Property Security Agreement

ACCEPTED AND AGREED as of the date first above written:

BIOPHARMA CREDIT PLC, as Collateral Agent

By: Pharmakon Advisors, LP, its Investment Manager

By: Pharmakon Management I, LLC,

its General Partner

Name: Pedro Gonzalez de Cosio

Title: Managing Member

# AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT SCHEDULE 1 TO

## Intellectual Property

# 1. REGISTERED PATENTS, PATENT APPLICATIONS AND PATENT LICENSES

Fatent: Patent ID	Application Number	Effective Filing Date	Patent Number	Issue Date	Status (High-Level)	All Assignees/ Owner	Title
							FERRIC ORGANIC
		***					COMPOUNDS, USES
	******					Panion & BF	THEREOF AND METHODS
P20001US1	11/206,981	2/18/2004	7.767.851	8/3/2010	In Force	Biotech Inc.	OF MAKING SAME
				·			FERRIC ORGANIC
			~~~~~			******	COMPOUNDS, USES
				(Night since		Panion & BF	THEREOF AND METHODS
P20001US12	17/141,765	2/18/2004			Pending	Biotech Inc.	OF MAKING SAME
							FERRIC ORGANIC
			-				COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20001US2	12/711,679	2/18/2004	8.338,642	12/25/2012	In Force	Biotech Inc.	OF MAKING SAME
	·····						FERRIC ORGANIC
	*****						COMPOUNDS, USES
						Pamion & BF	THEREOF AND METHODS
P20001US3	13/672,900	2/18/2004	8,609,896	12/17/2013	In Force	Biotech Inc.	OF MAKING SAME
							FERRIC ORGANIC
							COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20001US4	14/011,291	2/18/2004	8,754,258	6/17/2014	In Force	Biotech Inc.	OF MAKING SAME
		200 300 200 200 200 200					FERRIC ORGANIC
					•••••		COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20001US5	14/011,325	2/18/2004	8,901,349	12/2/2014	In Force	Biotech Inc.	OF MAKING SAME
	•					Panion & BF	FERRIC ORGANIC
P20001US6	14/011,357	2/18/2004	8,846,976	9/30/2014	In Force	Biotech Inc.	COMPOUNDS, USES

							THEREOF AND METHODS OF MAKING SAME
#30 1 1 0 0 0 CA	3.4 (500) 1774	1000000000	20,00	21,000,673	, j	Panion & BF	FERRIC ORGANIC COMPOUNDS, USES THEREOF AND METHODS
r20001.03/	14/302,774	+A07/01/7	9,328,133	3/3/2010	III rotce	Diotech Inc.	OF MANING SAIME
							FERRIC ORGANIC COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20001US8	15/143,987	2/18/2004	9,913,821	3/14/2018	In Force	Biotech Inc.	OF MAKING SAME
		***************************************					PHARMACEUTICAL-GRADE
							FERRIC ORGANIC
							COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20002US1	12/064,058	8/18/2006	8,093,423	1/10/2012	In Force	Biotech Inc.	OF MAKING SAME
							PHARMACEUTICAL-GRADE
							FERRIC ORGANIC
							COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20002US2	13/289,048	8/18/2006	8,299,298	10/30/2012	In Force	Biotech Inc.	OF MAKING SAME
							PHARMACEUTICAL-GRADE
							FERRIC ORGANIC
							COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20002US3	13/661,558	8/18/2006	8,754,257	6/17/2014	In Force	Biotech Inc.	OF MAKING SAME
							PHARMACEUTICAL-GRADE
							FERRIC ORGANIC
							COMPOUNDS, USES
~~~						Panion & BF	THEREOF AND METHODS
P20002US4	14/306,756	8/18/2006	9,050,316	6/9/2015	In Force	Biotech Inc.	OF MAKING SAME
							PHARMACEUTICAL-GRADE
							FERRIC ORGANIC
							COMPOUNDS, USES
						Panion & BF	THEREOF AND METHODS
P20002US5	14/701,933	8/18/2006	9,757,416	9/12/2017	In Force	Biotech Inc.	OF MAKING SAME

							PHARMACEUTICAL-GRADE
·····		-					COMPOUNDS, USES
				******	era eja ayaya	Panion & BF	THEREOF AND METHODS
P20002US9	17/091,090	8/18/2006			Pending	Biotech Inc.	OF MAKING SAME
						HSU, Chen	METHOD FOR TREATING
P20003US1	08/794,328	2/3/1997	5,753,706	8/16/168	In Force	Hsing	RENAL FAILURE
) () () () () ()	11 33 4 4 4 4 4 4 4 4 4 4	1			*******	Panion & BF	PHARMACEUTICAL-GRADE
P20004US	10/682,045	10/8/2003	6.903,235	6/7/2005	In Force	Biotech Inc.	FERRIC CITRATE
							METHOD OF REVERSING,
						3	PREVENTINGOR
						Panion & BF	STABILIZING SOFT TISSUE
P20005US1	12/162,558	1/26/2007	9,750,715	9/5/2017	In Force	Biotech Inc.	CALCIFICATION
						Panion & BF	METHOD OF TREATING
P20006US2	15/814,767	1/26/2007	10,898,459	1/16/2021	In Force	Biotech Inc.	CHRONIC KIDNEY DISEASE
•	:					Panion & BF	METHOD OF TREATING
P20006US3	17/119,554	1/26/2007			Pending	Biotech Inc.	CHRONIC KIDNEY DISEASE
						Keryx	
	3 9 9 9 9	1 1 1 2 3				Biopharmaceutic	FERRIC CITRATE DOSAGE
P20007US1	13/255,326	7/21/2010	9.387.191	7/12/2016	In Force	als, Inc.	FORMS
		1 La				Keryx	
000000000	\$ 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	(	( ) ( ) ( ) ( )	j	Bropharmaceutic	FERRIC CITRATE DOSAGE
P2000/US3	15/159,008	7/21/2010	10,300,039	5/28/2019	In Force	als, Inc.	FORMS
	•					Keryx	
		3				Biopharmaceutic	FERRIC CITRATE DOSAGE
P20007US4	10/3/6,90/	0102/12//			Pending	als, Inc.	FORMS
						Keryx	
	0000	, , , , , , , , , , , , , , , , , , ,			;	Biopharmaceutic	FERRIC CITRATE DOSAGE
P2000/US5	16/894, [2]	//21/2020			Pending	als, Inc.	FORMS
				***************************************			USE OF FERRIC CITRATE IN
				•		Keryx	THE TREATMENT OF
: : : : : : :			******	••••		Biopharmaceutic	CHRONIC KIDNEY DISEASE
P20008US5	16/154,268	6/21/2013			Pending	als, Inc.	PATIENTS
				*********	•	Keryx	USE OF FERRIC CITRATE IN
CS116000Cd	027 910/91	11/3/2014		************	Dending	Biopharmaceutic	THE TREATMENT OF AND
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							MORTALITY AND
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		44-4-4			MORBIDITY RELATED TO
	~~~~						ADVERSE CARDIAC
	•••••						EVENTS IN CHRONIC
							KIDNEY DISEASE PATIENTS
	٠					Keryx	USE OF FERRIC CITRATE IN
	·					Biopharmaceutic	THE TREATMENT OF IRON-
P20010US1	15/553,348	3/3/2016			Pending	als, Inc.	DEFICIENCY ANEMIA
							HIGH PURITY FERRIC
	,	······································				Keryx	CITRATE, METHODS OF
	••••					Biopharmaceutic	MANUFACTURE AND USES
P20011US9	17/203,245	3/12/2014			Pending	als, Inc.	FOR THE SAME
							IRON (III) CITRATE,
							SUBSTANTIALLY FREE OF
						Japan Tobacco,	BETA-IRON HYDROXIDE
	14/184,062	2/19/2014	9,624,135	4/18/2017	Issued	Inc.	OXIDE
							IRON (III) CITRATE,
							SUBSTANTIALLY FREE OF
	air aireanna					Japan Tobacco,	BETA-IRON HYDROXIDE
	16/815,472	2/19/2014		:	Pending	Inc.	OXIDE
						Japan Tobacco,	TABLET CONTAINING
	16/438,694	7/20/2011			Pending	Inc.	FERRIC CITRATE
******************************							

## 2. TRADEMARK REGISTRATIONS<sup>1</sup>

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### 3. IPLICENSES

<sup>1</sup> NTD: Any trademarks which are not part of the Collateral have been removed, but these are still referenced in the perfection certificate.

Amended and Restated Sublicense Agreement between Keryx and Japan Tobacco and TORII Pharmaceutical Co., Ltd., dated June 8, Second Amended and Restated License Agreement between the Borrower and Panion & BF Biotech, Inc., dated April 17, 2019. ன் ம்

2009.

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First Amendment to Amended and Restated Sublicense Agreement between Keryx and Japan Tobacco and TORII Pharmaceutical Co., Ltd., dated June 12, 2013.

TRADEMARK
RECORDED: 06/11/2021 REEL: 007323 FRAME: 0620