

HISTORICAL BIOPHARMACEUTICAL TRANSACTIONS

COUNTERPARTY	PRODUCT(S)	MARKETER¹	YEAR OF INITIAL INVESTMENT	INVESTMENT VEHICLE
Vertex Pharmaceuticals, Inc.	Lexiva	ViiV Healthcare UK Limited	2008	HCR 1
Dyax Corp.	Phage display platform	Multiple	2008	HCR 1, SMA
Undisclosed	Sanctura, Sanctura XR	Allergan, Inc.	2008	HCR 1
Shore Therapeutics, Inc.	Fenoglide	Sciele Pharma, Inc.	2008	HCR 1
Undisclosed	Oracea, Sanctura XR	Galderma S.A. / Allergan, Inc.	2008	HCR 1, HCR 2
AEterna Zentaris, Inc.	Cetrotide	Merck Serono S.A.	2008	HCR 1
NeurogesX, Inc.	Qutenza	Astellas Pharma Inc.	2010	HCR 1
Undisclosed	Undisclosed vaccine	Undisclosed	2010	HCR 1, HCR 2
Undisclosed	Myozyme	Genzyme Corp. / Sanofi-Aventis U.S. LLC	2011	HCR 1
Inventor (undisclosed)	Krystexxa	Savient Pharmaceuticals, Inc.	2011	HCR 1
Zogenix, Inc.	Sumavel Dosepro, Zohydro	Zogenix, Inc.	2011	HCR 2
Inventor	Cervarix	GlaxoSmithKline plc	2011	HCR 2
Raptor Pharmaceutical Corp.	Procysbi	Raptor Pharmaceutical Corp.	2012	HCR 2, SMA
Undisclosed	Undisclosed	Undisclosed	2012	HCR 2
Nuron Biotech, Inc.	Meningitec, HibTITER	Nuron Biotech, Inc.	2012	HCR 2
Medigene AG	Eligard	Astellas Pharma Inc.	2012	HCR 2
Undisclosed	Lyrice	Pfizer, Inc.	2012	HCR 2, SMA
Ironwood Pharmaceuticals, Inc.	Linzess	Forest Laboratories, Inc.	2012	SMA
Undisclosed	Inavir	Daiichi Sankyo Company, Limited	2013	HCR 2
Undisclosed	Benlysta	GlaxoSmithKline plc	2013	HCR 2
Northwestern University	Lyrice	Pfizer, Inc.	2013	HCR 3, SMA
Undisclosed	Breo, Anoro Ellipta	GlaxoSmithKline plc	2014	HCR 3, SMA
Supernus Pharmaceuticals, Inc.	Orenitram	United Therapeutics Corporation	2014	HCR 3
Cardiorentis AG	Ularitide	N/A	2014	HCR 3
Undisclosed	Undisclosed	Undisclosed	2014	HCR 3
Undisclosed	Breo, Anoro Ellipta	GlaxoSmithKline plc	2015	HCR 3, SMA
XOMA Corporation	Trumenba	Pfizer, Inc.	2016	HCR 2
XOMA Corporation	Takhzyro	Shire plc	2016	HCR 2
Coherus Biosciences, Inc.	Biosimilars development program	Coherus Biosciences, Inc.	2016	HCR 3, SMA
Undisclosed	Basket of dermatology products	Undisclosed	2016	HCR 3
Relypsa, Inc.	Veltassa	Relypsa, Inc.	2016	HCR 3

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Aviragen Therapeutics, Inc.	Inavir	Daiichi Sankyo Company, Limited	2016	HCR 3
Undisclosed	Brineura	BioMarin Pharmaceutical Inc.	2016	HCR 3
Progenics Pharmaceuticals, Inc.	Relistor	Salix Pharmaceuticals, Inc.	2016	HCR 3
Undisclosed	Breo, Anoro Ellipta	GlaxoSmithKline plc	2017	HCR 3, SMA
Portola Pharmaceuticals, Inc.	AndexXa	Portola Pharmaceuticals, Inc.	2017	HCR 3, HCR 2, SMA
Curis, Inc.	Erivedge	F. Hoffmann-La Roche AG	2017	HCR 3
Adamas Pharmaceuticals, Inc.	Gocovri	Adamas Pharmaceuticals, Inc.	2017	HCR 3, SMA
Adamas Pharmaceuticals, Inc.	Namzaric	Allergan plc	2017	HCR 3, SMA
Acorda Therapeutics, Inc.	Fampyra	Biogen, Inc.	2017	SMA
Albireo Pharma, Inc.	Goofice	EA Pharma Co., Ltd.	2017	HCR 3
Agenus, Inc.	Shingrix	GlaxoSmithKline plc	2018	HCR 3, SMA
La Jolla Pharmaceutical Company	Giapreza	La Jolla Pharmaceutical Company	2018	HCR 3, SMA
Undisclosed	Botox	AbbVie Inc.	2018	HCR 3, SMA
Theravance Biopharma, Inc.	Trelegy Ellipta	GlaxoSmithKline plc	2018	SMA
Coherus Biosciences, Inc.	Udenyca, Biosimilars development program	Coherus Biosciences, Inc.	2019	HCR 3, SMA
Paratek Pharmaceuticals, Inc.	Seysara	Almirall, S.A.	2019	HCR 3
Portola Pharmaceuticals, Inc.	AndexXa	Portola Pharmaceuticals, Inc.	2019	HCR 4, HCR 3, SMA
Infinity Pharmaceuticals, Inc.	Copiktra	Verastem, Inc.	2019	HCR 3
Undisclosed	Sunosi	Jazz Pharmaceuticals, Inc.	2019	HCR 4, HCR 3
Undisclosed	Krystexxa	Horizon Therapeutics plc	2019	HCR 3
Karyopharm Therapeutics, Inc.	Xpovio	Karyopharm Therapeutics, Inc.	2019	HCR 4, HCR 3
RedHill Biopharma Ltd.	Movantik, Talicia, Aemcolo	RedHill Biopharma Ltd.	2020	HCR 4, SMA
Theravance Biopharma, Inc.	Trelegy Ellipta	GlaxoSmithKline plc	2020	HCR 4, SMA
Chiasma, Inc.	Mycapssa	Chiasma, Inc.	2020	HCR 4
Undisclosed	Vimpat	UCB S.A.	2020	HCR 4, SMA
Nektar Therapeutics	Movantik, Adynovate, Rebinyn, Esperoct	RedHill Biopharma Ltd., Takeda Pharmaceutical Co, Novo Nordisk A/S.	2020	HCR 4, SMA
RegenxBio, Inc.	Zolgensma	Novartis	2020	HCR 4, SMA
Undisclosed	Krystexxa	Horizon Therapeutics plc	2021	HCR 4
Akebia Therapeutics Inc.	Vafseo	Mitsubishi Tanabe Pharma Corporation	2021	HCR 4
Aptevo Therapeutics	Ruxience	Pfizer, Inc.	2021	HCR 4
Undisclosed	Botox	AbbVie Inc.	2021	HCR 4
Karyopharm Therapeutics, Inc.	Xpovio	Karyopharm Therapeutics, Inc.	2021	HCR 4, SMAs
ADC Therapeutics SA	Zynlonta, Camidanlumab Tesirine	ADC Therapeutics SA	2021	HCR 4, SMAs
Spero Therapeutics	Tebipenem HBr	Spero Therapeutics	2021	HCR 4, SMAs
Eye Therapies	Lumify	Bausch + Lomb	2022	HCR 4, SMAs
Rhythm Pharmaceuticals	Imcivree	Rhythm Pharmaceuticals	2022	HCR 4, SMAs
Ardelyx	Tenapanor	Kyowa Kirin Co.	2022	HCR 4
Clearside Biomedical, Inc.	Xipere, ARVN001, RGX-314, AU-011	Bausch + Lomb Corp., Artic Vision (Hong Kong) Limited, RegenXBio Inc., Auro Biosciences, Inc.	2022	HCR 4

1) Represents marketer at time of investment