ROYALTY PHARMA

Corporate Presentation

May 2024

Forward looking statements & Non-GAAP Measures

This presentation has been prepared by Royalty Pharma plc (the "Company"), is made for informational purposes only and does not constitute an offer to sell or a solicitation of an offer to buy securities. The information set forth herein does not purport to be complete or to contain all of the information you may desire. Statements contained herein are made as of the date of this presentation unless stated otherwise, and neither the delivery of this presentation at any time, nor any sale of securities, shall under any circumstances create an implication that the information contained herein is correct as of any time after such date or that information will be updated or revised to reflect information that subsequently becomes available or changes occurring after the date hereof. This presentation contains statements that constitute "forward-looking statements" as that term is defined in the United States Private Securities Litigation Reform Act of 1995, including statements that express the Company's opinions, expectations, beliefs, plans, objectives, assumptions or projections regarding future events or future results, in contrast with statements that reflect historical facts. Examples include discussion of our strategies, financing plans, growth opportunities and market growth. In some cases, you can identify such forward-looking statements by terminology such as "anticipate," "intend," "believe," "estimate," "plan," "seek," "project," "expect," "may," "will," "would," "could" or "should," the negative of these terms or similar expressions. Forward-looking statements are based on management's current beliefs and assumptions and on information currently available to the Company. However, these forward-looking statements are not a guarantee of the Company's performance, and you should not place undue reliance on such statements. Forward-looking statements are subject to many risks, uncertainties and other variable circumstances, and other factors. Such risks and uncertainties may cause the statements to be inaccurate and readers are cautioned not to place undue reliance on such statements. Many of these risks are outside of the Company's control and could cause its actual results to differ materially from those it thought would occur. The forward-looking statements included in this presentation are made only as of the date hereof. The Company does not undertake, and specifically declines, any obligation to update any such statements or to publicly announce the results of any revisions to any such statements to reflect future events or developments, except as required by law. Certain information contained in this presentation relates to or is based on studies, publications, surveys and other data obtained from third-party sources and the Company's own internal estimates and research. While the Company believes these third-party sources to be reliable as of the date of this presentation, it has not independently verified, and makes no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, all of the market data included in this presentation involves a number of assumptions and limitations, and there can be no guarantee as to the accuracy or reliability of such assumptions. Finally, while the Company believes its own internal research is reliable, such research has not been verified by any independent source. For further information, please see the Company's reports and documents filed with the U.S. Securities and Exchange Commission ("SEC") by visiting EDGAR on the SEC's website at www.sec.gov.

Also, this presentation will include certain financial measures that were not prepared in accordance with U.S. generally accepted accounting principles ("GAAP"). Additional information regarding non-GAAP liquidity measures can be found in the Appendix. Any non-U.S. GAAP liquidity measures presented are not, and should not be viewed as, substitutes for measures required by GAAP, have no standardized meaning prescribed by GAAP and may not be comparable to the calculation of similar measures of other companies.



Our vision

To be the leading partner funding innovation in life sciences

Our mission

By collaborating to accelerate innovation, we enable our partners to transform patient lives

Royalty Pharma: A unique way to invest in biopharma

(Nasdaq: RPRX)

Market leader and pioneer

Compounding growth through value creation

years of compounding value

~60%

share of pharmaceutical royalty market⁽¹⁾

10%+

top-line CAGR expected over this decade(2)

Low-teens

% average unlevered IRR over multiple decades, high-teens or better with conservative leverage⁽³⁾

Long duration, diversified portfolio

year portfolio duration with track record of growing through royalty expirations

blockbusters (>\$1bn in annual sales) in portfolio⁽⁴⁾

Significant funding opportunity

Efficient business model

>\$1 trillion

capital required for biopharma innovation over next decade

\$10-12 billion

RP expected capital deployment from 2022-2026; path to double this longer term⁽⁵⁾

Strong track record

History

of identifying most transformative products ~13%

top-line CAGR achieved between 2010-2020

~7-8%

cost of capital even with higher rates

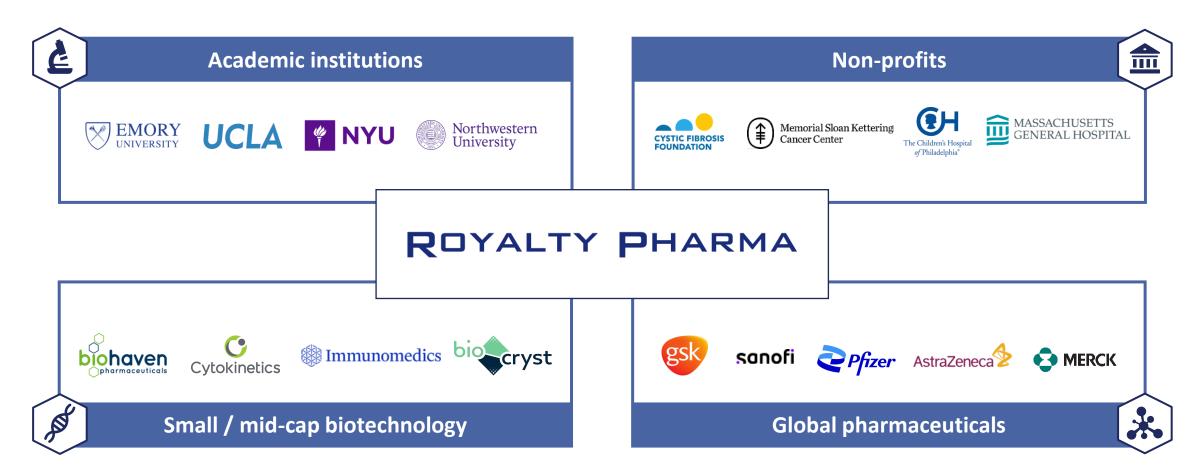
\$3.05 billion

2023 top line; 92% Adjusted EBITDA margins, providing consistent and growing cash flow to be redeployed

"Top-line" refers to Royalty Pharma's Portfolio Receipts

Deep network across the biopharma ecosystem

Leading provider of funding solutions for life sciences innovation



Clear strategic plan to drive robust and value-enhancing growth

Existing royalties

Acquire existing royalties on marketleading or late-stage development therapies with high commercial potential 2

Synthetic royalties / **R&D** funding

Acquire newly-created royalties on approved or late-stage development therapies with strong proof of concept and high commercial potential

3

Launch & development capital⁽¹⁾

Additional funding in exchange for long-term payment streams

4

M&A related

Acquire royalties by facilitating M&A transactions

5

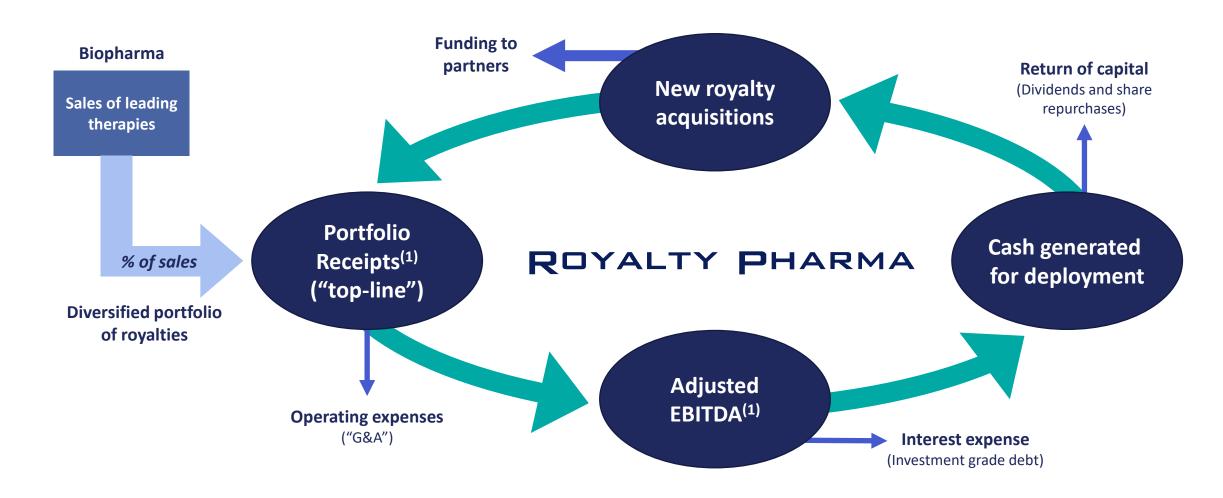
Adjacencies

Leverage team's capabilities in business adjacencies

Advancing our partners' core mission with win-win solutions

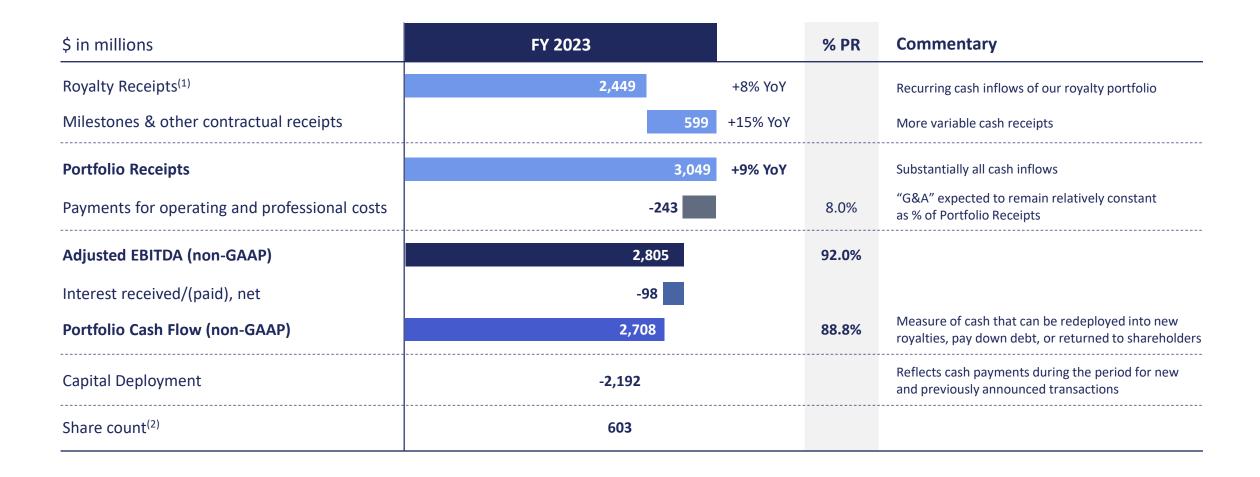
Potential benefits to partner Structure Memorial Sloan Kettering • Diversification of asset portfolio Cancer Center **Existing** Non-dilutive funding for business growth and investment royalties UCLA **MYU** • Upfront capital today in exchange for a long-dated stream of payments Mark Immunomedics • Funding for completion of development and commercialization of portfolio, **Synthetic** biohaven • Retain operational control of development programs royalties Cytokinetics Lower cost of capital than issuing equity 🥰 Pfizer 🚱 MERCK Sanofi Launch & • Launch funding offers flexible, patient, long-term alternative financing **Morphosus** development Cytokinetics • Lower cost of capital than selling equity and less restrictive than debt capital astellas • Monetize non-strategic passive royalties to reduce net M&A price M&A Perrigo[®] Capital provided through purchase of royalties and supplemental funding

Simple and efficient business model focused on cash flow



Large diversified royalty portfolio generates significant cash to redeploy in new royalties

Efficient model generates substantial cash flow to reinvest

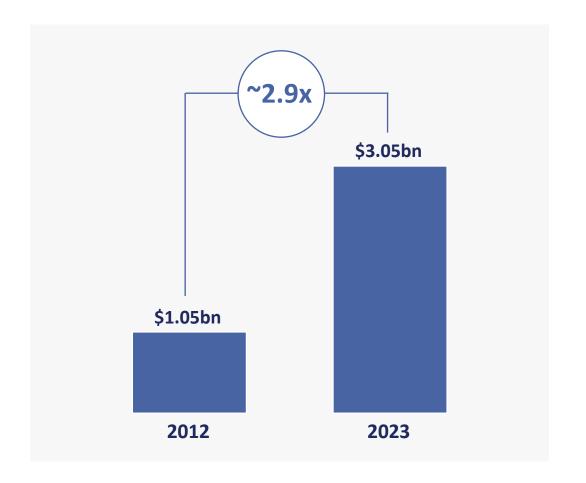


YoY: year over year; PR: Portfolio Receipts

^{1.} Reported net of legacy non-controlling interests to facilitate increased transparency of individual royalty economics and milestones.

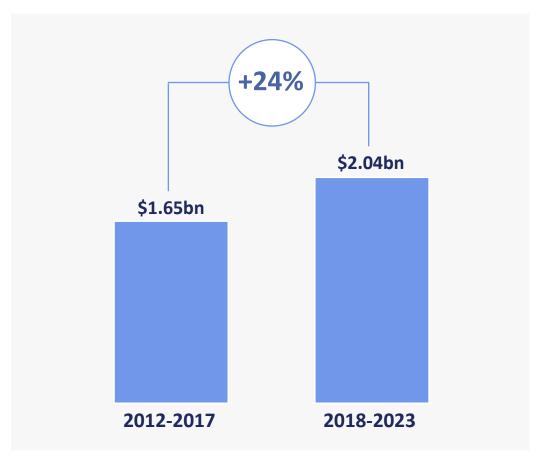
Track record of delivering strong growth



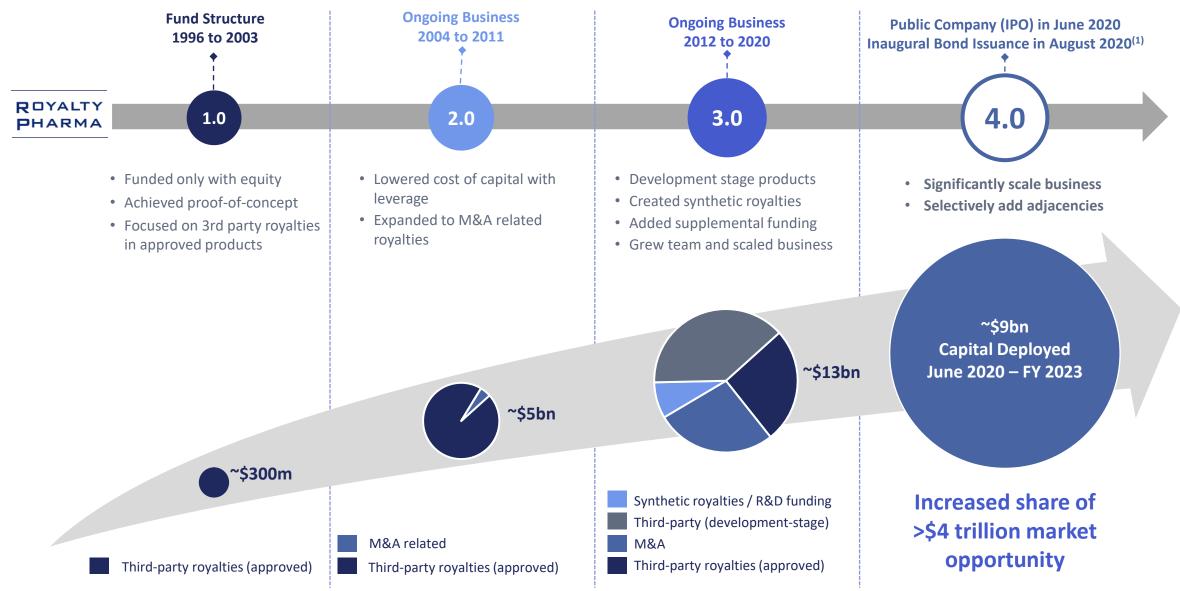


Capital Deployment

(annual average)



Innovative business model supports biopharma ecosystem



Strong competitive moat in biopharma royalty funding

	Business model	Scale	Platform
ROYALTY	 Publicly traded company Long royalty durations ~7-8% cost of capital ~2.5% cost of debt⁽¹⁾ 	 Portfolio >45 products Large investment capacity Deep capital markets access Ability to leverage portfolio 	 Long-tenured team Singular biopharma focus Long collaboration history Deep industry relationships Partner of choice
Other Royalty Buyers	 Serial fund structures Often shorter royalty durations High-single to double-digit cost of capital 	 Smaller, concentrated portfolios Funded with significantly more expensive private debt and equity 	Multi-strategyNew to industry

ROYALTY PHARMA 1. Weighted average coupon.

Simple business model drives compounding growth



Capital deployment

\$10-\$12 billion expected capital deployment, 2022-2026

Mix of approved and developmentstage therapies with strong PoC

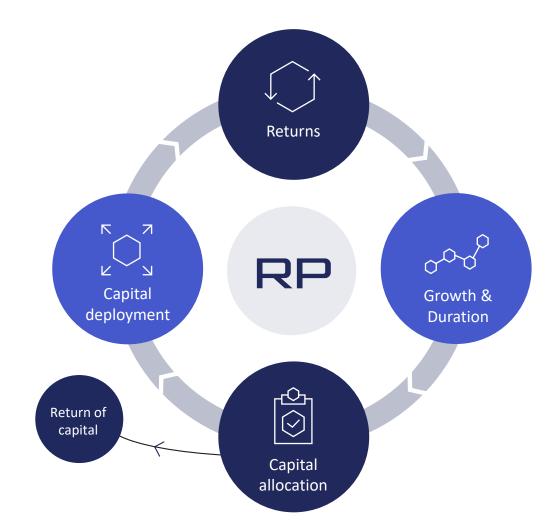
~\$13 billion announced value of transactions since 2020



Return of capital

~3% annual dividend yield with commitment to mid single digit growth

Opportunistic share repurchases





Returns

Consistent attractive returns meaningfully above cost of capital

Targeting low teens blended unlevered returns with high teens or better levered returns



Growth & Duration

11-14% Portfolio Receipts CAGR, 2020-2025; 10% or more, 2020-2030

Weighted average portfolio duration of approximately 13 years

Diversified portfolio of >45 royalties

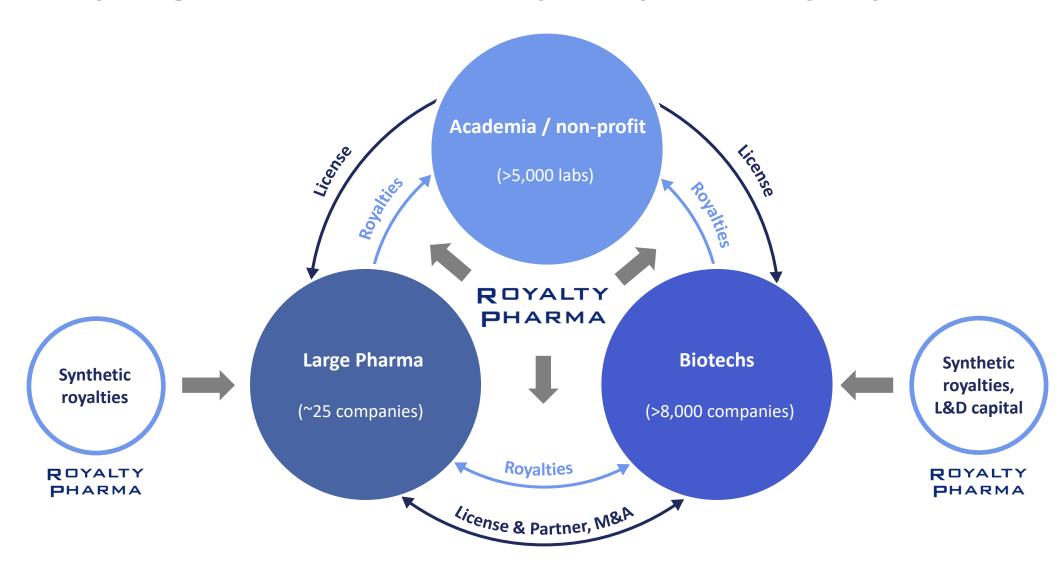
Significant accomplishments since IPO

		2020	2023	Increase
Growth	Portfolio Receipts ⁽¹⁾ 2020-2025 Portfolio Receipts CAGR outlook ⁽²⁾	\$1.8bn 6-9%	\$3.05bn 11-14%	~69% 1 >65%
Capital deployment	Announced deal value (prior 3 years) 5-year capital deployment target ⁽³⁾	\$3.4bn >\$7bn	\$10.2bn \$10-12bn	~3.0x
Portfolio	New therapies added (prior 3 years) Development-stage therapies (4)	14 3	24 13	~71% 1
Platform	Full time employees ⁽⁵⁾ In-depth opportunity reviews ⁽⁶⁾	35 50	89 93	>2.5x 1 86%

CAGR: compound annual growth rate.

- 1. See slide 64 for definitions. Portfolio Receipts of \$1.8 billion are for the period ended December 31, 2020.
- 2. The 2020-2025 Portfolio Receipts CAGR of 6-9% was provided on August 12, 2020. The 2020-2025 Portfolio Receipts CAGR of 11-14% was provided at May 17, 2022 Investor Day. The increase is calculated using the midpoint of each of the PR outlook ranges. See slide 64 for factors that may impact our outlook.
- 3. Capital deployment target of >\$7bn provided on August 12, 2020. Capital deployment target of \$10-12bn provided at May 17, 2022 Investor Day. See slide 64 for factors that may impact our capital deployment target. The increase is calculated using the midpoint of today's 5-year capital deployment target range.
- 4. Development-stage therapies for 2020 period is as of November 2020; development-stage therapies for the today period is as of December 2023.
- 5. Full time employees of our Manager for the 2020 period is as of December 31, 2019; full time employees of our Manager for the today period is as of December 2023.
- 6. In-depth opportunity reviews of 50 is for the period ended December 31, 2020 and 93 is for the period ended December 31, 2023.

Industry fragmentation and complexity drive royalty creation

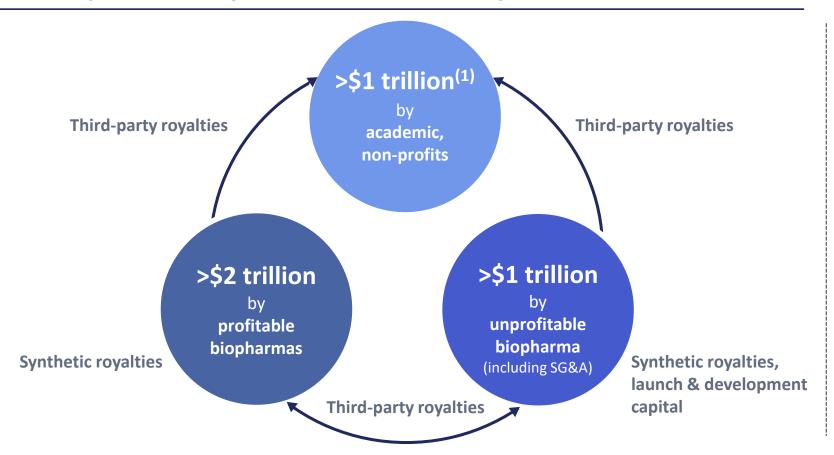


ROYALTY PHARMA L&D: launch & development capital

Significant opportunity to fund biopharma innovation

Biopharma ecosystem cumulative R&D spend over next decade

Global pharma market⁽²⁾

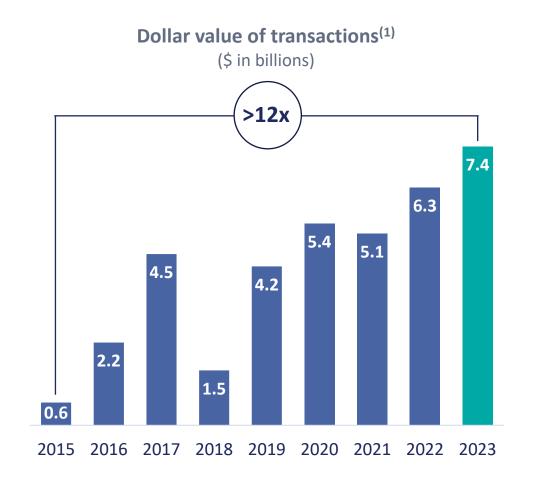


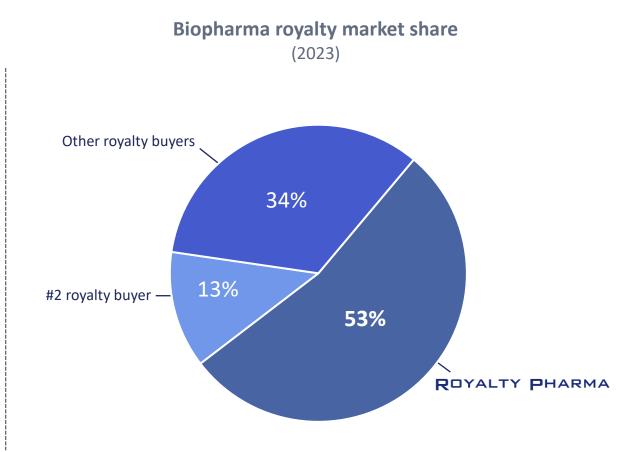


Entire biopharma ecosystem drives our pipeline

^{2.} Based on Evaluate Pharma as of January 2024.

Strong momentum for biopharma royalty market

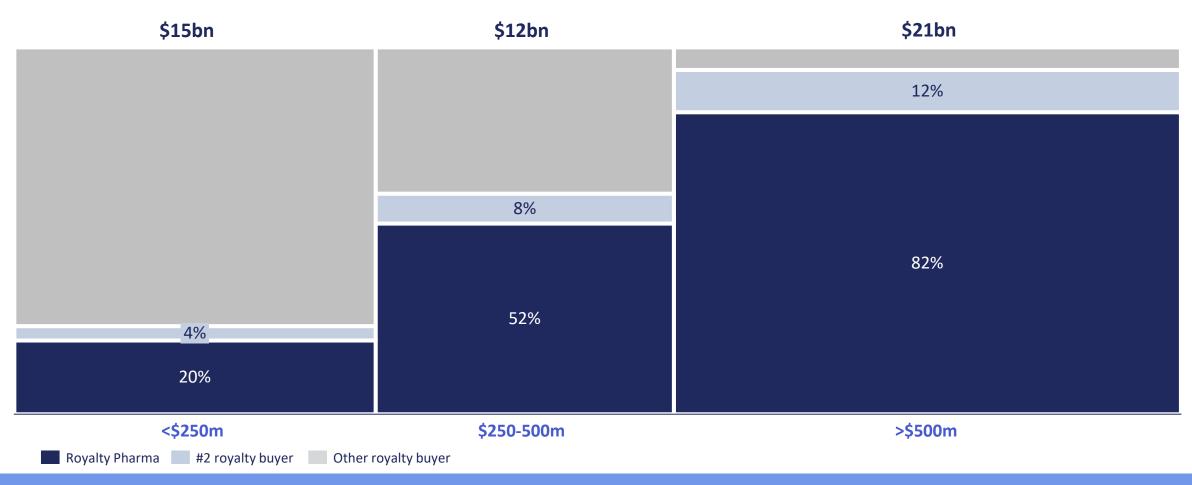




Royalty Pharma maintained its leading share of the rapidly growing biopharma royalty funding market

Royalty Pharma is the leader in royalty transactions

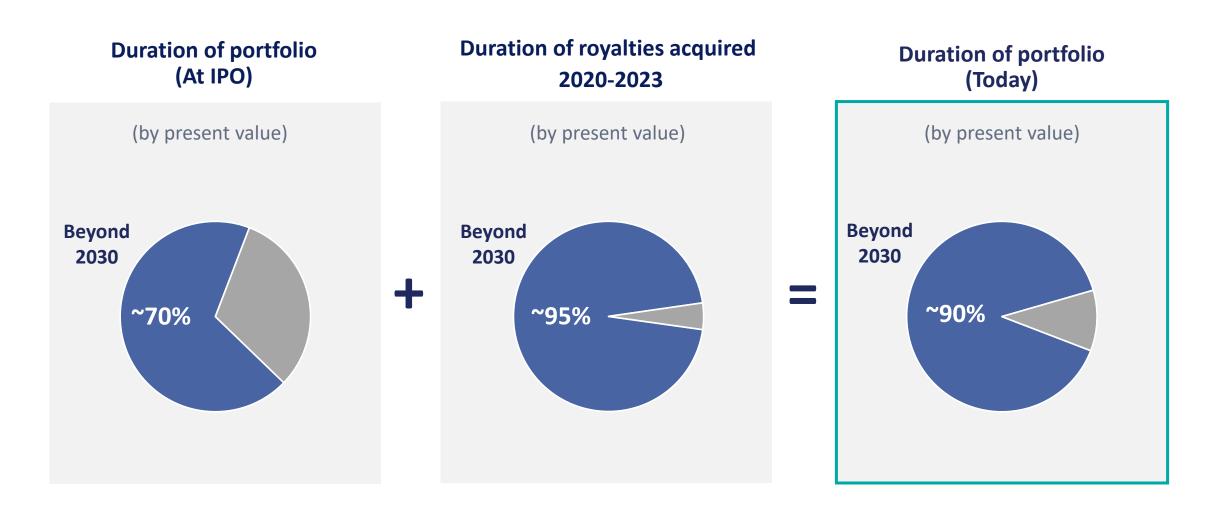
Biopharma royalty market size and share by transaction value, 2012-2024 YTD⁽¹⁾



Royalty Pharma has maintained a majority overall share since 2012 and is the go-to partner for larger transactions

19

Long duration portfolio consistently replenished

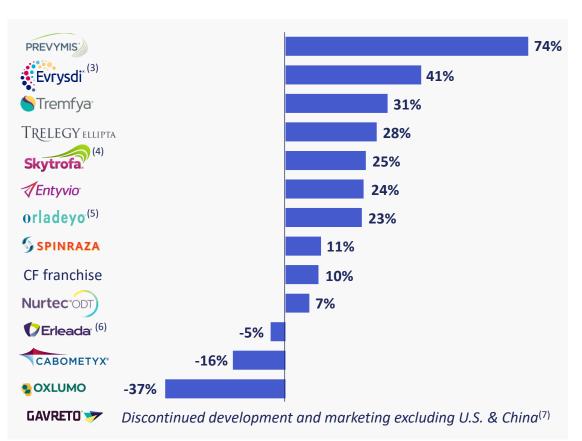


~13 year weighted average royalty portfolio duration

Strong early performance from recent transactions(1)

Percent change in 2025 consensus sales⁽²⁾ since acquisition

(Transactions since 2020; approved therapies)



Development-stage therapies

(Transactions since 2020; select events)

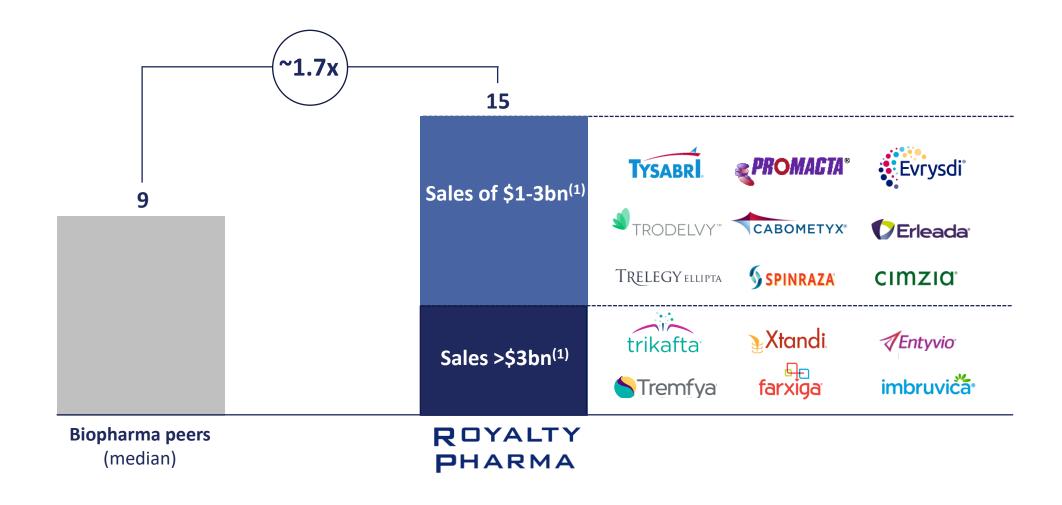
	Therapy	Indication	Event	Status
Clinical	aficamten	оНСМ	Phase 3 results	$\overline{\checkmark}$
	pelabresib	Myelofibrosis	Phase 3 results	V
	Tremfya	UC/Crohn's disease	Phase 3 results	\checkmark
	otilimab	Rheumatoid arthritis	Phase 3 results	X
	gantenerumab	Alzheimer's disease	Phase 3 results	X
	trontinemab (gantenerumab brain shuttle)	Alzheimer's disease	Phase 1b/2a data	$\overline{\checkmark}$
	TEV-'749	Schizophrenia	Phase 3 results ⁽⁸⁾	$\overline{\checkmark}$
Regulatory	KarXT	Schizophrenia	NDA acceptance	$\overline{\checkmark}$
	Zavzpret	Migraine	FDA approval	\checkmark
	Airsupra	Asthma	FDA approval	$\overline{\checkmark}$
	Evrysdi	SMA	FDA approval	$\overline{\checkmark}$

oHCM: obstructive hypertrophic cardiomyopathy; UC: ulcerative colitis; PNH: paroxysmal nocturnal hemoglobinuria; SMA: Spinal muscular atrophy; NDA: New Drug Application; PoC: Proof of Concept.

- 1. Recent transactions include transactions since 2020.
- 2. Consensus sales sourced from Visible Alpha as of May 2024 and includes therapies with consensus available at the time of the deal and now.
- 3. Change in Evrysdi consensus sales is from date of initial PTC transaction (July 20, 2020).
- 4. Reflects U.S. sales of Skytrofa.
- 5. Change in Orladeyo consensus sales is from date of initial BioCryst transaction (December 7, 2020).
- 6. Change in Erleada consensus sales is from date of second Erleada transaction (June 5, 2023).
- 7. Blueprint Medicines press release, January 8, 2024.
- 8. Teva reported positive Phase 3 efficacy results on May 8, 2024. Long-term safety data is expected in H2 2024.

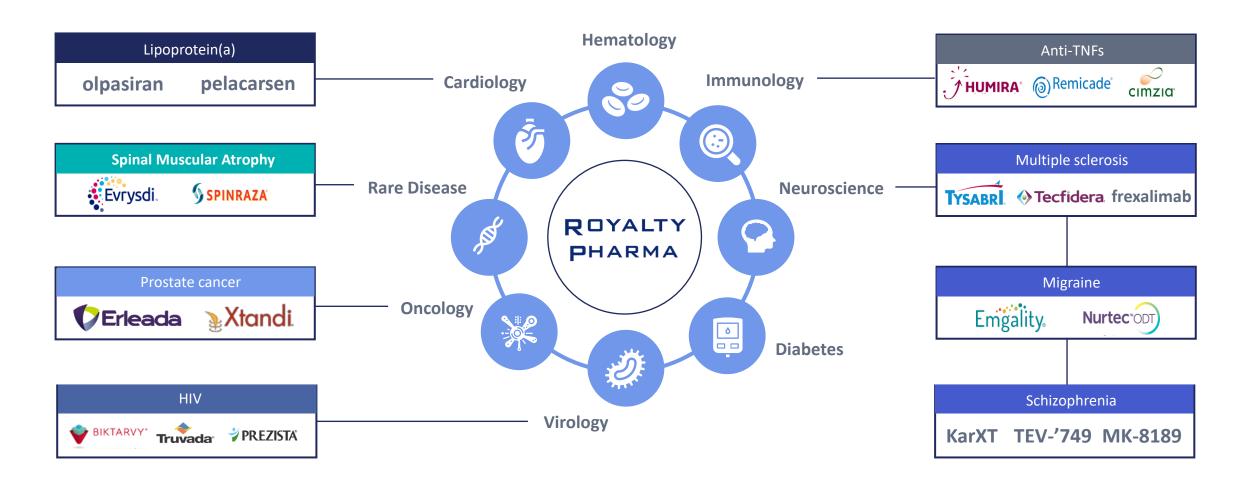


Industry leading exposure to blockbuster products



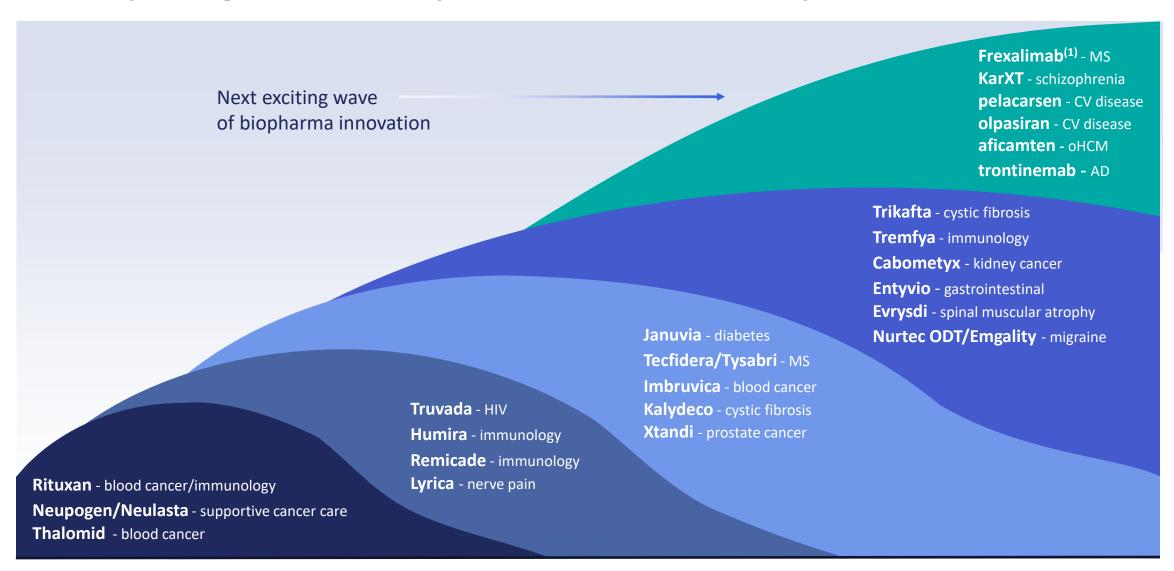
Portfolio includes premier products and franchises backed by strong support from marketers

Unique ability to invest in multiple products in the same class



Portfolio agnostic to therapeutic area, modality and drug class

Participating in most important waves of biopharma innovation



Synthetic royalties are an attractive funding modality

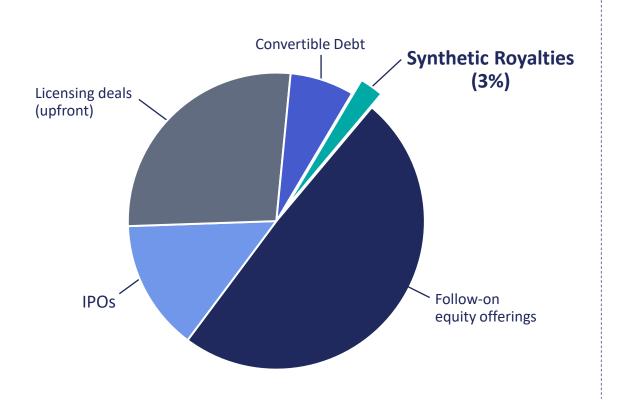
Benefits to biopharma partner

	Royalty	Debt	Equity
Non-dilutive to equity / preserves equity upside	✓	✓	
Customized and tailored funding solutions	✓		
Independent validation of therapy's value to patients	✓		
Share risk of development and/or commercialization	✓		~
No financial covenants	✓		~
Long-term alignment of interests	✓		
Value add through proprietary analytics	✓		

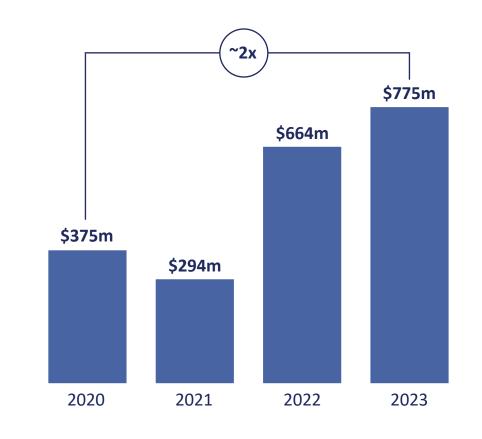
Synthetic royalties – a compelling innovation with significant growth potential

Synthetic royalty opportunity is large and rapidly growing

>\$260bn biopharma industry funding^(1,2) (2019-2023)



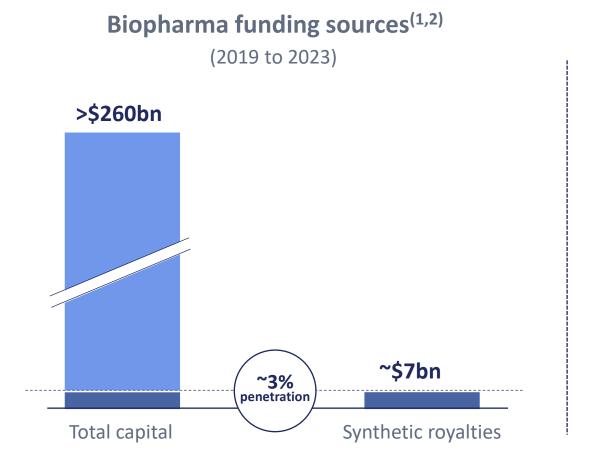
Strongest year ever for RP synthetic royalty transactions (Announced value)(3)

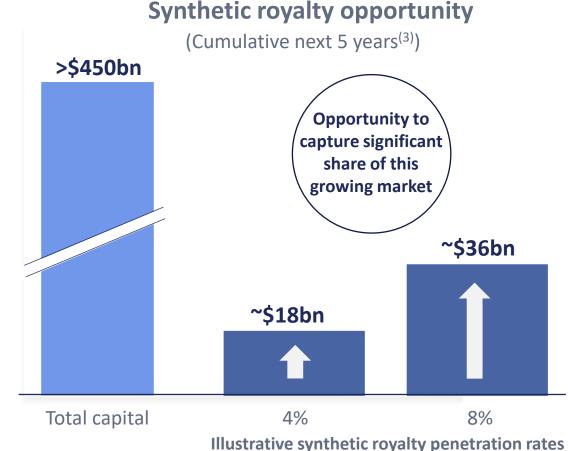


Source: Dealogic, Biomedtracker, internal estimates, Evaluate.

- 1. Includes capital raised through initial public offerings (IPOs), follow-on offerings, equity linked issuances and upfronts from licensing deals.
- 2. Royalty funding includes upfront investment consideration, including acquisitions of synthetic royalties and associated equity investments.
- 3. Data reflects announced value of transactions, including milestones and contingent payments.

Synthetic royalty market has room for significant expansion





(Royalty Pharma + others)

Source: Dealogic, Biomedtracker, internal estimates, Evaluate.

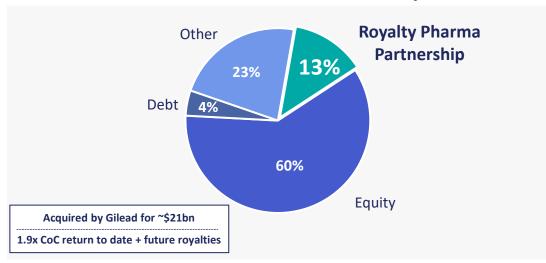
- 1. Includes capital raised through initial public offerings (IPOs), follow-on offerings, equity linked issuances and upfronts from licensing deals.
- 2. Royalty funding includes upfront investment consideration, including acquisitions of synthetic royalties and associated equity investments.
- 3. Estimated capital needs for today's unprofitable biopharmas based on Visible Alpha, Dealogic, internal estimates.

Providing needed capital for M&A transactions

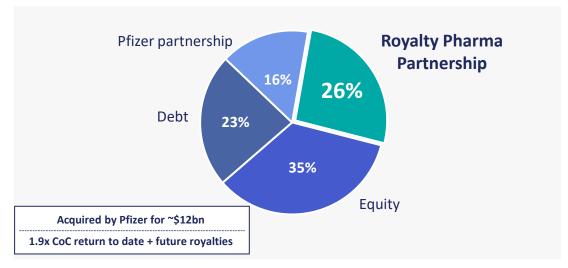
	Mid-cap M&A	Large pharma M&A	Divestitures
Challenge	Cash flow constraints historically have meant equity is the primary funding source	Non-strategic assets at target companies may significantly increase acquisition price	Increasing FTC scrutiny of M&A transactions may reduce attractiveness of target due to regulatory concerns
Our solution	Enable delivery of cash through synthetic royalty creation, third-party royalty monetization and/or launch and development capital	Reduce net price of acquisition by monetizing non-strategic royalty assets at target companies acquired by large pharma	Finance the acquisition of assets that must be divested due to anti-trust concerns
Examples	IIIOrphosus Constellation	astellas (os1) pharmaceuticals	Emerging opportunity

Emerging funding paradigm for successful biotechs

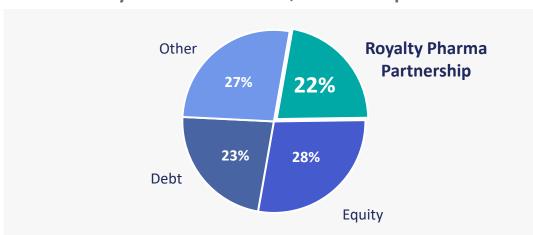
Immunomedics raised ~\$1.9bn in capital(1)



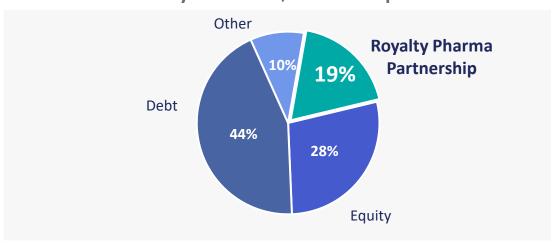
Biohaven raised ~\$3.2bn in capital⁽²⁾



Cytokinetics raised ~\$2.5bn in capital⁽³⁾



BioCryst raised ~\$1.8bn in capital⁽⁴⁾



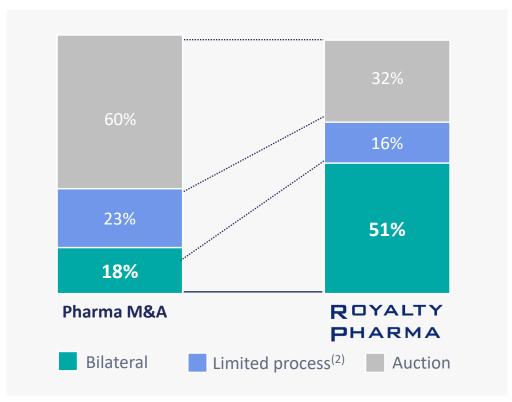
Note: estimates based on publicly available information as of date of announced transaction. Debt and Royalty Pharma partnerships assume fully drawn facilities and maximum transaction value. Other primarily



29

Proprietary sourcing provides competitive advantage





- Network of deep relationships
- Track record of "win-win" outcomes
- Scale advantages
- Strong record of value-enhancing acquisitions

Majority of Royalty Pharma transactions negotiated on a bilateral basis



^{1.} Includes all Royalty Pharma transactions announced from January 2016 to March 2023; analysis of Schedule 14D-9s for pharma M&A transactions and includes biotech acquisitions greater than \$1 billion in value (57 in total). Percentages are based on number of transactions.

^{2.} Limited process is three or fewer parties involved in process.

Unique Research & Investments team and process



Pioneering the royalty market for 25+ years

Innovating new funding solutions, including synthetic royalties



One Royalty Pharma team at the center of every transaction

Long-tenured expert team with deep scientific experience



Open business model: tailored solutions and true partnerships

Proud of partnerships that grow over multiple transactions



Platform built to scale with the royalty market

Team and process growing to address the large opportunity ahead



Exhaustive diligence process sharpened over decades

Able to integrate and interpret a broad and expanding information set



Leveraging big data through Strategy & Analytics

Unique platform for clinical trial analysis and market evaluation

Our framework focuses on key product success factors









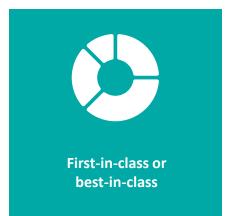




Clear commercial positioning



Potential for multiple indications or label expansion

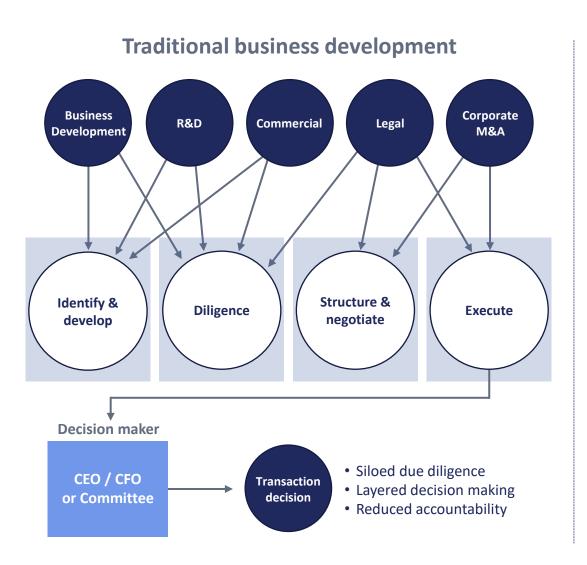


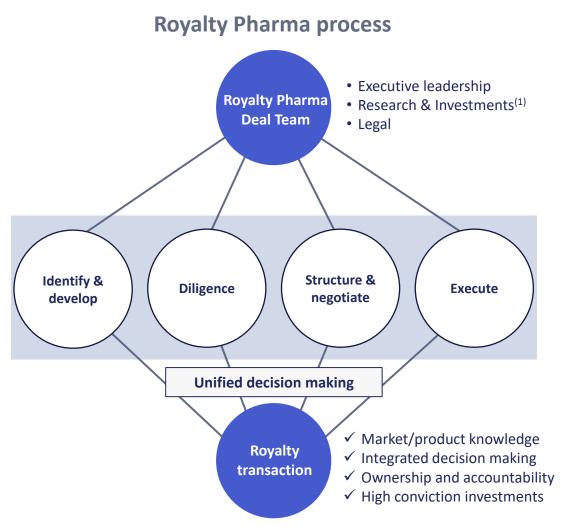




ROYALTY PHARMA

One Royalty Pharma team at the center of every transaction





Extensive due diligence process sharpened over decades









Clinical

Regulatory, IP, **Manufacturing**

Commercial

Contracts. Governance

Physician diligence

- US/EU/Japan
- KOL/academic
- Community
- Surveys

Non-clinical

- Pharmacokinetics
- Pharmacodynamics
- Dose modeling

Intellectual property

- US/EU/Japan and other
- Litigation scenario analysis
- Multiple opinions

Claims analysis

- · Patient diagnosis, treatment, compliance
- Site of care
- Other patient metrics

Market sizing

- Patient finding
- Claims-driven
- Epidemiology
- Scaled market surveys

Statistics

- Probability of success
- Effect size modeling
- Enrollment modeling
- Statistical Analysis Plans

Toxicology

- Animal toxicologists
- Specialized areas (i.e., ophthalmology)

Manufacturing

- Modality expertise: small molecule, biologics, gene therapy
- Regulatory perspectives
- · Capacity planning

Drug delivery

US pricing

- Pricing modeling
- · Gross-to-net modeling

Pavors

- Payor/PBM executives
- Formulary analyses

Clinical

- Interview former R&D executives
- Patient level data analysis
- Immunogenicity and specific safety observations
- Clinical trial design and study reports
- Comparative analysis

Regulatory

US/FDA meeting minutes

· Auto-injectors and devices

Design and human factors

Formulation technologies

- EU/EMA meeting minutes
- International (PMDA, other)
- Consultants

Competition

- Landscape analysis
- Product profile and cost comparisons

International access

- Market-by-market pricing
- Addressable patients
- Yearly access caps and other structures

- **Licensing and contracts**
- Analysis of contract language
- Risk assessment

Transactional

Tax implications

Accounting treatment

Expert structuring and drafting

Management & governance

- Experience and strategy
- Compensation alignment

Commercial strategy

- Interview sales and marketing executives, MSLs and district managers
- Required promotional spend

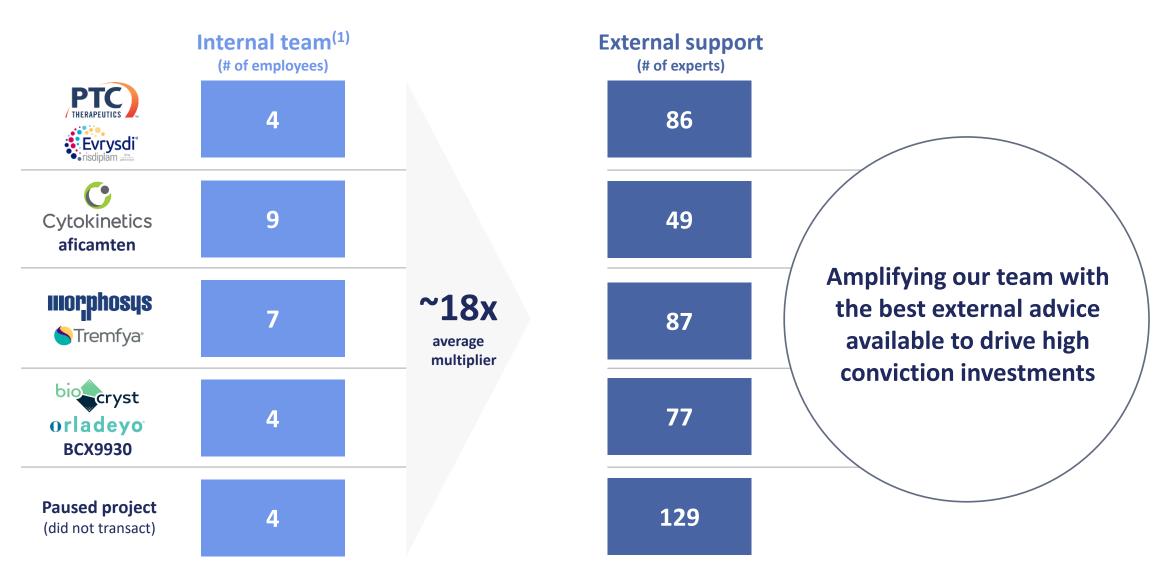
Environmental, Social & Governance

- Board oversight
- ESG-informed investment processes

Patients & Caregivers

- Efficacy, tolerability, convenience perspectives
- Social media

Leveraging the best internal and external expertise available



Our ambitious vision for Strategy & Analytics

Strategic search and evaluation









Development landscape scanning

Therapeutic area mapping

Monitoring

Clinical trial metaemerging science analysis and design

- Horizon scanning to position Royalty Pharma for the future
 - Identify emerging target companies and products
 - Enhance knowledge of pipelines and mechanisms in development
 - Perform clinical trial analysis and competitive intelligence
 - Stay ahead of faster biopharma innovation cycles
- Earlier partner engagement benefits business development

Data and analytics









Medical claims analysis

Real world evidence

Sales & marketing benchmarking

Payor & formulary landscape

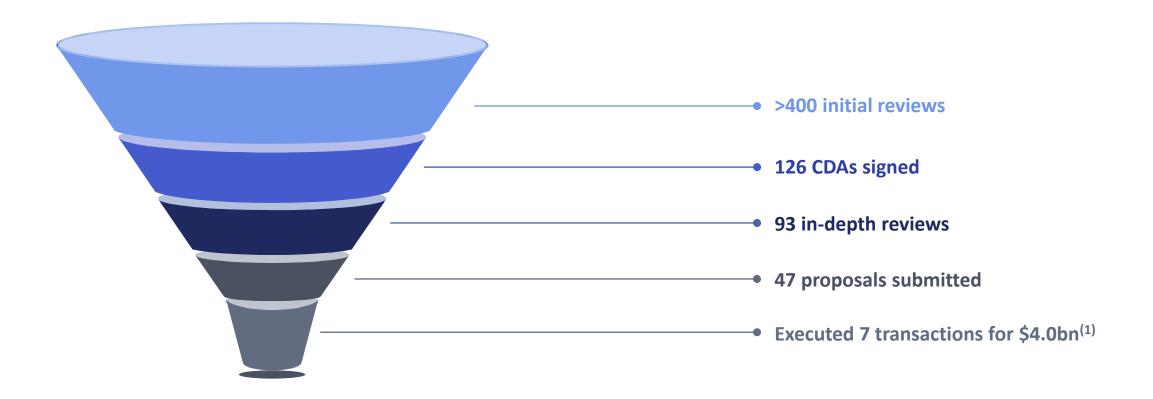
- Unique insight from proprietary integration of data sources
 - Automation to ensure full coverage at scale
- Best-in-class platform for market evaluation and forecasting
 - Patient mapping diagnosis, procedures and treatment
 - Long-term ambition to develop for global markets

Strategy & Analytics improves Royalty Pharma's investment process and adds value to our partners

ROYALTY PHARMA 36

Announced \$4.0 billion of transactions in 2023

2023 Royalty Pharma investment activity



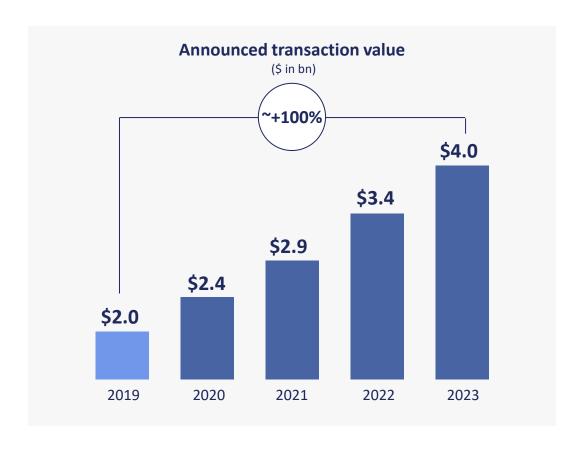
Maintained strong financial discipline: ~2% of initial reviews resulted in an acquired royalty

Strong Royalty Pharma pipeline trends given market backdrop

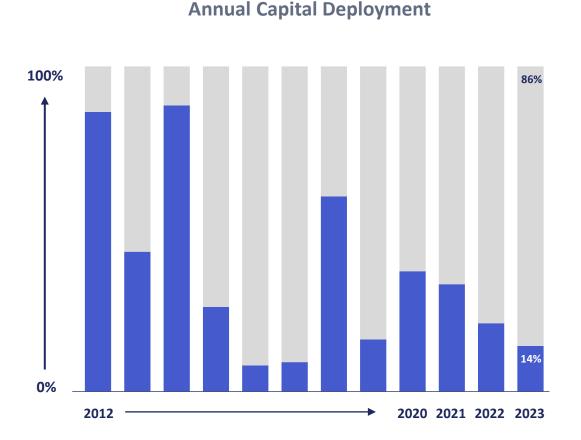
Opportunity set increasing



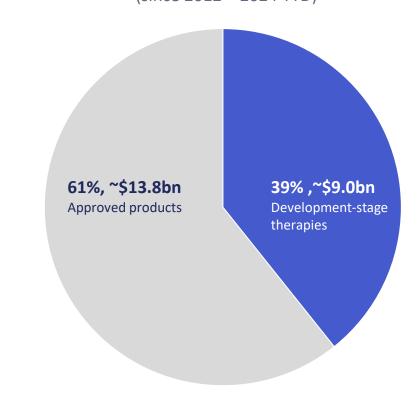
Robust royalty acquisition activity



Healthy mix of approved and development-stage investments



~\$22.8 billion in cumulative Capital Deployment (since 2012 – 2024 YTD)

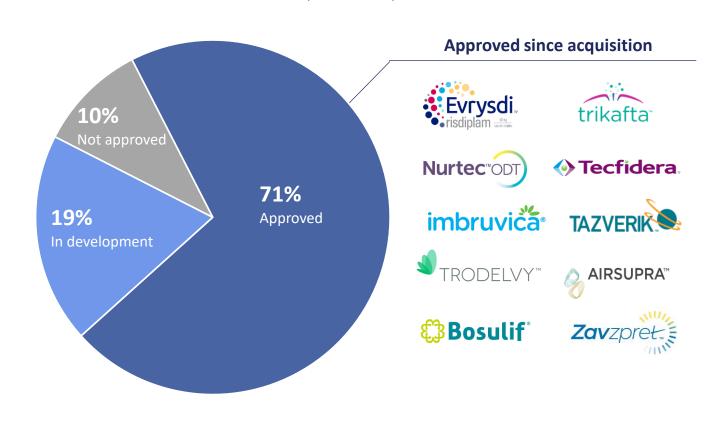


Strong track record of investing in development-stage therapies

 Invested ~\$9bn in development-stage therapies since 2012

- Require strong proof of concept data
- Broad landscape of opportunities
- Not constrained by therapeutic area
- Target returns in the teens
- 15 development-stage therapies in portfolio
- History of identifying therapies with unmet and underserved patient needs

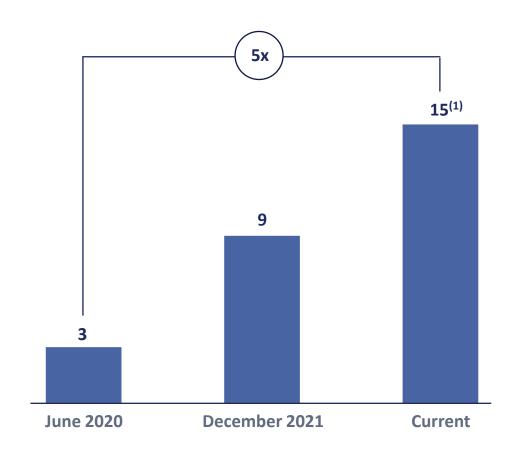
Capital Deployment on development-stage therapies^(1, 2)
(since 2012)



Significant growth and diversity of development-stage pipeline

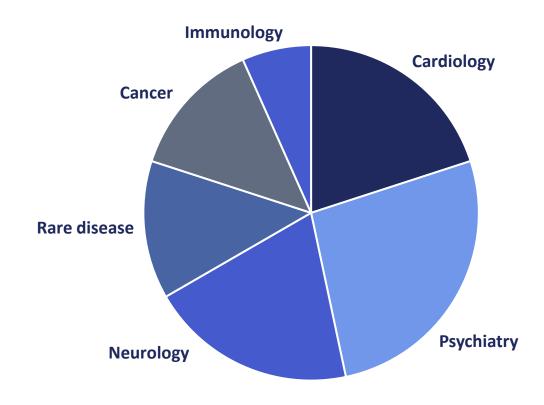
Pipeline evolution since IPO

(by number of therapies)



Strong diversity of pipeline

(by number of therapies)



Unique and powerful approach to development-stage investing

	Product	selection	Deal structure		
Approach	Post proof of concept with strong evidence of clinical efficacy and safety Partnering directly with innovators provides unique insights into clinical program and sales potential		Risk mitigation strategies through clinical & regulatory milestones, royalty tiering, option periods, etc. Strong alignment with partner through co-funding on top R&D programs		
Examples	KarXT Investment after third positive registrational trial minimizes regulatory risk	aficamten Unique insights into clinical program through direct partnership with Cytokinetics	frexalimab Nearly half of purchase price potentially returned in higher probability milestones mitigates risk	MK-8189 Modest initial investment with option to significantly scale funding after Phase 2b data	

Unique approach to development-stage investing drives attractive returns while mitigating risk

Big products with world class marketers and large royalties

Therapy	Lead indication	Marketer	Potential first- or best-in-class	Potential peak sales (non risk adjusted) ⁽³⁾	Potential peak royalties
frexalimab ⁽¹⁾	multiple sclerosis	Sanofi	✓	>\$5bn	>\$400m
olpasiran	cardiovascular disease	Amgen	✓	>\$3bn	>\$250m
pelacarsen	cardiovascular disease	Novartis	✓	>\$3bn	>\$150m
seltorexant	depression	Johnson & Johnson	✓	\$1-5bn	>\$150m
aficamten	hypertrophic cardiomyopathy	Cytokinetics	✓	>\$4bn	>\$150m
KarXT	schizophrenia	Bristol Myers Squibb	✓	>\$5bn	~\$100m
TEV-'749	schizophrenia	Teva	✓	~\$1bn	~\$35m
pelabresib	myelofibrosis	Novartis ⁽²⁾	✓	>\$1bn	>\$30m
Total (late-stage	e development):	>\$25bn	>\$1.25bn ←		

Excludes high potential early-stage pipeline – trontinemab (Alzheimer's), MK-8189 (schizophrenia), etc.

Capital allocation strategy to drive shareholder value creation

\$20 billion in projected 2022-2026 capacity to reinvest and return to shareholders

Royalty acquisitions



\$10-\$12bn 5-year target(1)

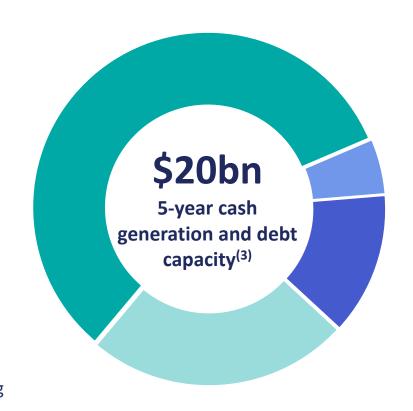
- Announced ~\$8.0bn since 2022 (~\$5.3bn in Capital Deployment)⁽²⁾
- Robust and active transaction pipeline
- Largely self-funded over time via retained cash flow

Additional Capacity



Royalty investments prioritized

- >\$4bn capacity with conservative leverage
- Committed to investment grade credit rating



Share repurchases

Up to \$1bn (announced March 2023)

- Received shareholder approval at AGM in June 2022
- Repurchased ~10 million shares for \$305m in 2023
- Authorization valid through June 2027

Dividends

~3% annual yield

- Current dividend of \$0.21/quarter
- Commitment to grow dividend by mid-single digit percentage annually

Capital allocation balances primary focus of acquiring royalties with returning capital to shareholders

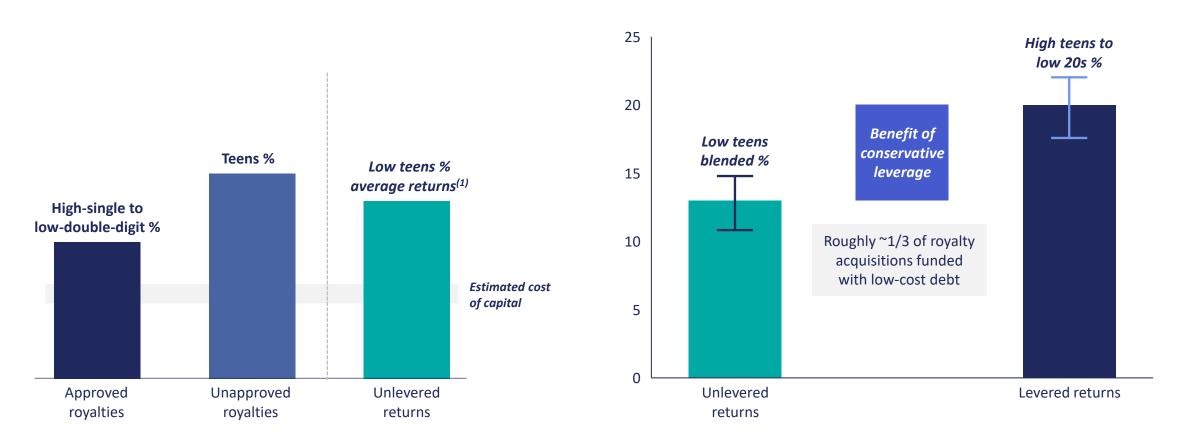


- 1. 5-year capital deployment target provided at May 2022 Investor Day.
- 2. Includes frexalimab acquisition which is expected to close in May 2024.
- 3. Cumulative 5-year capacity, includes cash generated from operations, future acquisitions and debt capacity. Figure provided at May 2022 Investor Day.

Consistently attractive returns amplified by conservative leverage



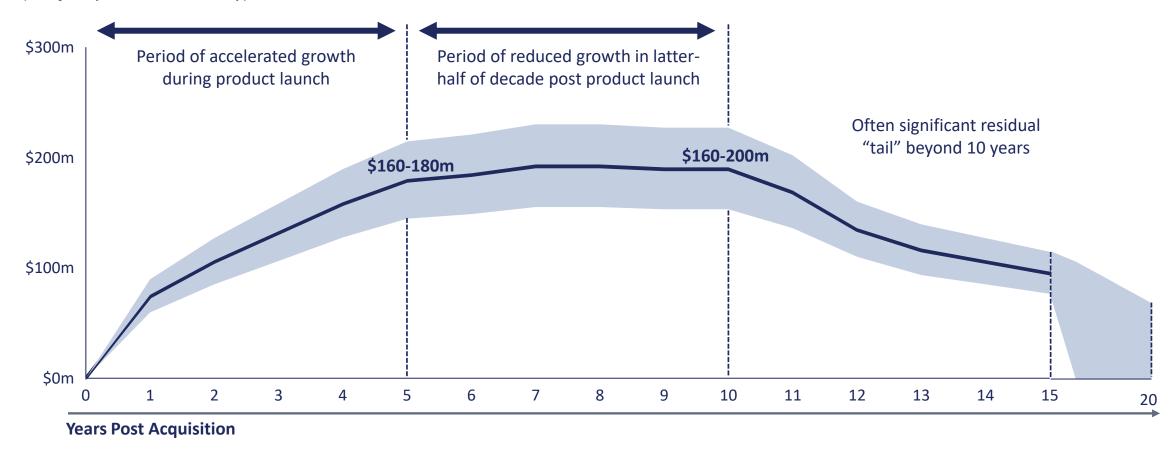
Leverage benefit to target returns



Expect to consistently deliver attractive returns above cost of capital regardless of interest rate environment

What does \$1bn of investment mean for future top-line?

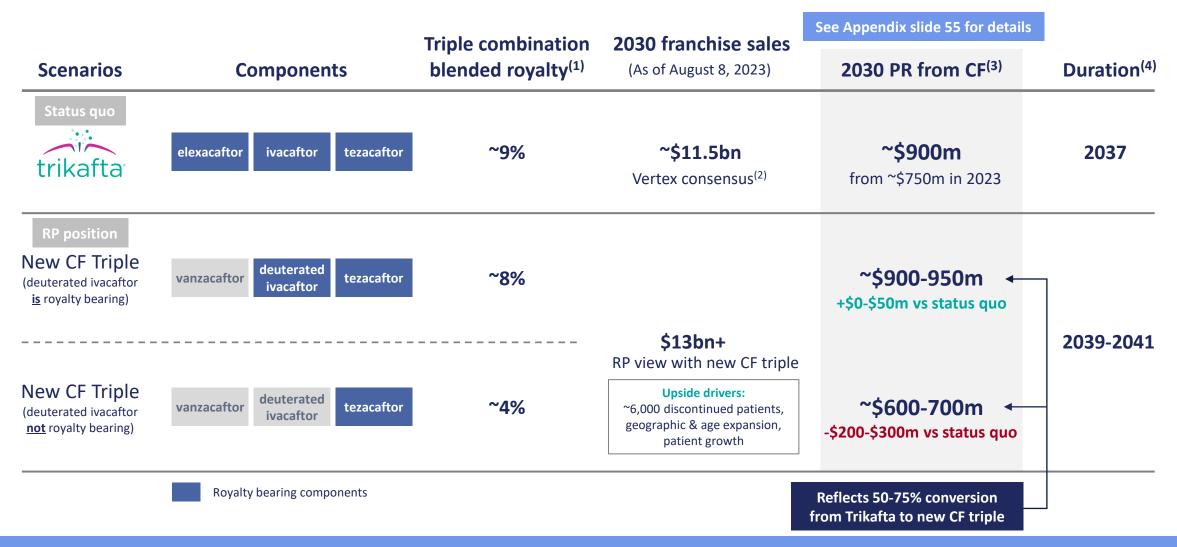
Representative annual Portfolio Receipts^(1,2) ("top-line") from \$1bn of investment - based on blend of historical acquisitions (As of May 2022 Investor Day)



ROYALTY PHARMA

^{1.} See slide 64 for definitions and factors that may impact the achievement of our growth outlook.

CF to remain important contributor regardless of triple scenario

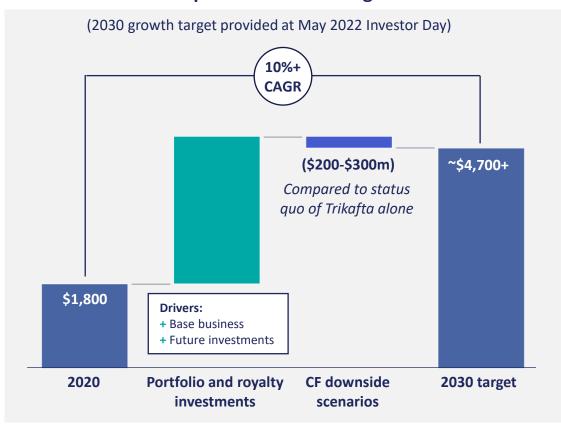


NPV impact of potential downside scenarios are estimated to be \$1-\$2 per share



Long-term growth powered by consistent portfolio refreshment

Portfolio Receipts evolution through 2030⁽¹⁾



Continued execution on strategy

- ✓ Power of business model
 - Transactions since 2020 expected to add ~\$1.2bn in PR by 2025
- Future capital deployment
 - Tracking to meet or exceed capital deployment guidance of \$10-\$12 billion from 2022 through 2026
- Increased diversification
 - The CF franchise will become a smaller portion of the business as we continue to scale
 - CF is ~31% of 2023 Royalty Receipts and expected to decline to teens % of 2030 Royalty Receipts

Expect to deliver 10%+ top-line CAGR over the decade under downside CF scenarios

Well positioned in evolving interest rate environment

Interest rates

Existing capital structure (5)



Future investments ******



Long duration, low-cost debt an underappreciated asset

- Fixed weighted-average coupon of ~2.5% on \$6.3bn of investment grade bonds
- ~70% of existing bonds due 2030 or later
- Committed to investment grade rating
- Revolving credit facility of up to \$1.8bn

- Higher royalty return expectations in response to higher rate environment
- Maintaining attractive returns above cost of capital with consistent spreads

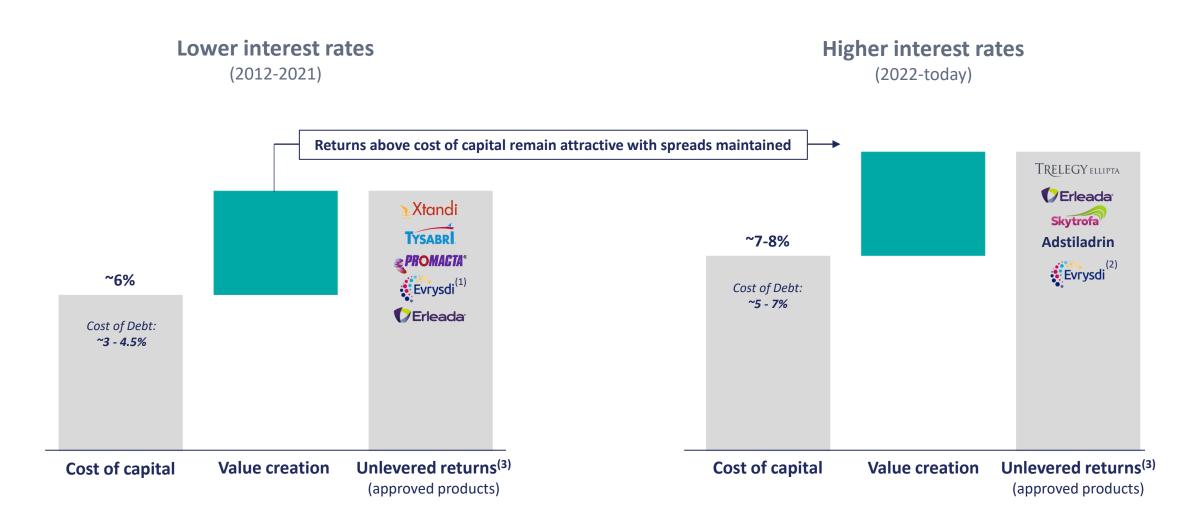
Expanding opportunity set

Higher risk-adjusted returns

Higher partner cost of capital accelerates momentum in royalty funding



Continuing to create value in changing market environment



Spreads maintained and larger opportunity set equals greater value creation

1. Transaction purchasing 43% of PTC's Evrysdi royalty announced July 2020.

ROYALTY PHARMA

- 2. Transaction purchasing 67% of PTC's remaining Evrysdi royalty announced October 2023.
- Illustrative returns reflect a combination of actual results and estimated projected returns for investments from 2012 2023. IRR (or returns) are calculated using total cash outflows and total cash inflows, in each case including royalties, milestones and other cash flows.

Maximizing industry strengths and minimizing challenges

Maximizing

- Exposure to transformative therapies
- Revenue and profit diversification
- Therapeutic area breadth
- Long weighted average portfolio duration
- Consistent and sustainable growth
- Management team continuity
- Shareholder alignment
- Opportunity entire R&D ecosystem is our pipeline



Minimizing

- Early-stage development risk
- R&D and SG&A cost base
- Therapeutic area bias
- Highly competitive business development
- Late-stage clinical binary risk

A unique way to invest in biopharma

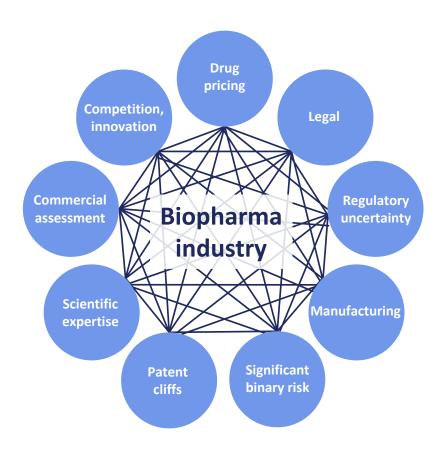
		ROYALTY PHARMA	Large biopharma ⁽¹⁾
Growth	2020-2030 top-line ⁽²⁾ CAGR	10% or more ⁽²⁾	5% ⁽³⁾
Scale	Number of blockbusters ⁽⁴⁾	15	9
Cost of capital	Estimated WACC	~7-8%	~7-8%
Risk	Stage of development	Post proof-of-concept to approved	Pre-clinical to approved
Return	Historical return on investments ⁽⁵⁾	Consistent low teens IRR	?
Income	Dividend yield	~3%	~3%
Ownership	Management % ownership of FDSO	16 % ⁽⁶⁾	<1% ⁽⁶⁾

CAGR: compound annual growth rate; WACC: weighted average cost of capital; IRR: internal rate of return; FDSO: fully diluted shares outstanding

- 1. Consists of the average of Eli Lilly, Johnson & Johnson, Merck, Pfizer, AbbVie, Bristol Myers Squibb, Gilead, Amgen, Biogen, Vertex, Regeneron, Roche, Novartis, GSK, Sanofi, Novo Nordisk and AstraZeneca.
- 2. Top-line refers to Royalty Pharma's Portfolio Receipts and includes future investments. Royalty Pharma growth target provided at May 2022 Investor Day. See slide 64 for definitions.
- 3. Source: Visible Alpha.
- 4. Calculated based on 2023 end market sales and excludes products tied to recently expired royalties.
- 5. Historical return on investments for Royalty Pharma is from 2012 to 2023; IRR (or returns) are calculated using total cash outflows and total cash inflows, in each case including royalties, milestones and other cash flows. Biopharma returns on investments in business development, M&A and R&D.
- 6. Represents Named Executive Officer (NEO) ownership reported by CapIQ for Large biopharma; Royalty Pharma NEO ownership as disclosed in 2024 proxy filing.

A simple investment proposition in a highly complex industry

Successful biopharma investing is extremely complex



ROYALTY PHARMA offers a simple solution

- Efficient business of collecting share of topline revenues on leading products
- Strong track record of product selection
- Rigorous diligence processes
- Highly diversified portfolio
- Minimal binary clinical risk
- ✓ Proven ability to replenish portfolio

Appendix

ROYALTY PHARMA

Detailed calculation assumptions for CF triple scenarios

from Trikafta to new triple

Scenarios	Product	Blended royalty ⁽¹⁾	Sales split	2030 franchise sales (As of August 8, 2023)	Royalty Receipts	NCI %	2030 PR from CF ⁽³⁾
Status quo (Trikafta only)	trikafta	~9%	100%	~\$11.5bn ⁽²⁾	~\$1,050m	(13%)	~\$900m
RP position: New CF Triple	Trikafta New CF Triple Total blended	~9% ~8% ~9%	50% 50% 100%	\$13bn+	~\$1,100m	(13%)	~\$950m
(deuterated ivacaftor <u>is</u> royalty bearing)	Trikafta New CF Triple Total blended	~9% ~8% ~8%	25% 75% 100%	\$13bn+	~\$1,050m	(14%)	~\$900m
New CF Triple (deuterated ivacaftor <u>not</u> royalty bearing)	Trikafta New CF Triple Total blended	~9% ~4% ~7%	50% 50% 100%	\$13bn+	~\$850m	(15%)	~\$700m
	Trikafta New CF Triple Total blended	~9% ~4% ~5%	25% 75% 100%	\$13bn+	~\$700m	(17%)	~\$600m
		Reflects 50-75%	6 conversion			Calcul	ations may not tie due to rounding

Biohaven partnership blossoms with additional transactions

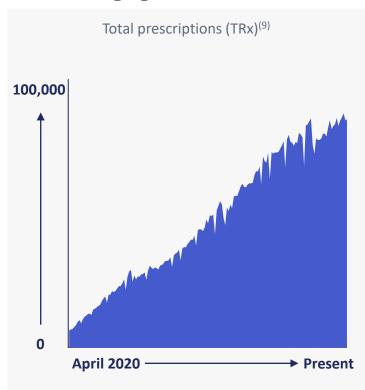
Date	June 2018 ⁽¹⁾	December 2018	March 2019 ⁽²⁾	August 2020 ⁽³⁾
Funding type	Royalty and common equity	Common equity	Preferred equity	Royalty and Launch capital
Purpose	Support Nurtec ODT Phase 3 development	Support Nurtec ODT development and FDA filing	Priority review voucher to accelerate Nurtec ODT launch	Pipeline funding and commercialization support
Details	\$100m royalty (2.1% royalty on Nurtec ODT and zavegepant sales up to \$1.5bn and 1.5% for sales >\$1.5bn) \$50m equity investment (at \$45 per share)	\$37m equity investment (at \$37 per share)	\$125m preferred equity (upfront) Up to \$75m preferred equity (on Nurtec ODT FDA approval – optional, not drawn)	\$250m royalty R&D funding (0.4% royalty on Nurtec ODT, up to 3% zavegepant royalty, and potential zavegepant milestones) \$200m launch capital
Total investment	\$150m	\$37m	Up to \$200m	Up to \$450m

Up to ~\$835m in total funding across multiple deals to accelerate Biohaven's innovative migraine therapies to patients

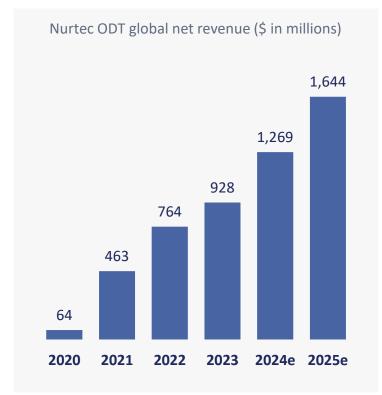
Nurtec ODT – one of the strongest recent launches in biopharma



Encouraging oral CGRP⁽⁸⁾ **volumes**



Successful Nurtec ODT launch in US⁽¹⁰⁾



Pfizer expects significant peak sales⁽⁷⁾

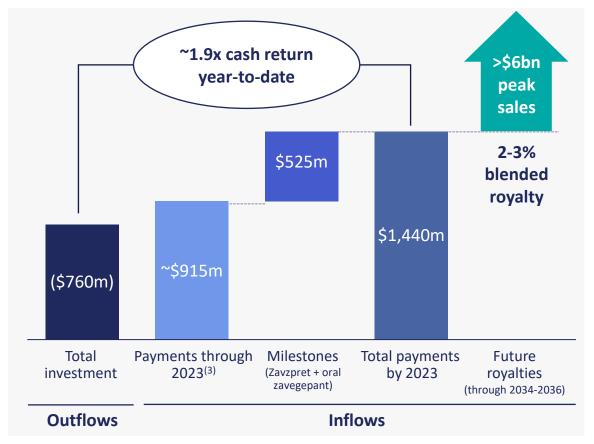


CGRP: calcitonin gene-related peptide

Biohaven acquisition accelerates Royalty Pharma returns

- Pfizer, a strong global marketer, is positioned to maximize the potential of Nurtec ODT and Zavzpret
 - Doubling number of sales representatives detailing Nurtec
- Acquisition⁽¹⁾ accelerated Royalty Pharma's returns on common and preferred equity
- No impact on Royalty Pharma's royalty terms, which will provide long-duration cash flows
- Received \$525m of milestones in 2023 related to Zavzpret and oral zavegepant⁽²⁾

Strong returns for Royalty Pharma shareholders



~1.9x cash return through 2023 with further upside from continuing royalties

Important events expected in 2024

Calact year to date	and avaceted uncoming avents		20	24	
Select year-to-date	e and expected upcoming events	Q1	Q2	Q3	Q4
	Trodelvy Phase 3 results for 2-3L non-small cell lung cancer (EVOKE-01) ⁽¹⁾	X			
	Tremfya Phase 3 results for Crohn's disease ⁽²⁾		\checkmark		
	TEV-'749 Phase 3 results for schizophrenia ⁽³⁾		$\overline{\checkmark}$	Long-term s	afety results
	Trodelvy Phase 3 results for 2L+ metastatic urothelial cancer (TROPiCS-04) ⁽⁴⁾				
Clinical	Trodelvy Phase 2 results for 1L metastatic non-small cell lung cancer (EVOKE-02) ⁽⁴⁾				
	Seltorexant Phase 3 results for major depressive disorder with insomnia symptoms ⁽⁵⁾				
	Cabometyx, Tecentriq Phase 3 OS results for mCRPC (CONTACT-02) ⁽⁶⁾				
	MK-8189 Phase 2b results for schizophrenia ⁽⁷⁾				
	Trodelvy Phase 3 results for 1L metastatic triple-negative breast cancer (ASCENT-03) ⁽⁴⁾				
	Tremfya FDA filing in ulcerative colitis ⁽⁸⁾	✓			
	Tremfya EMA filing in ulcerative colitis and Crohn's disease ⁽⁹⁾		$\overline{\mathbf{Y}}$		
Regulatory	KarXT FDA decision in schizophrenia ⁽¹⁰⁾				
	Pelabresib FDA filing in myelofibrosis ⁽¹¹⁾				
	Aficamten FDA and EMA filing in obstructive hypertrophic cardiomyopathy ⁽¹²⁾				

OS: overall survival; RCC: renal cell carcinoma; mCRPC: metastatic castration-resistant prostate cancer; FDA: Food & Drug Administration; EMA: European Medicines Agency

Potential royalties on ~40 projects in late-stage development

	Phas	se 2		Registration		
ion	MK-8189 Schizophrenia	trontinemab Alzheimer's disease	aficamten oHCM	pelacarsen Cardiovascular disease	olpasiran Cardiovascular disease	KarXT Schizophrenia
ndicat		tulmimetostat (CPI-0209) Blood cancer, solid tumors	pelabresib Myelofibrosis	ampreloxetine Symptomatic nOH in MSA	seltorexant MDD w/insomnia symptoms	Vanzacaftor/tezacaftor/deutivacaftor Cystic fibrosis
nitial i			frexalimab Multiple sclerosis	ecopipam Tourette Syndrome	TEV-'749 Schizophrenia	

cation	Trodelvy Lung, HNSCC and endometrial	Trodelvy (+ combinations) 1L mUC	Trodelvy 1L TNBC (PD-L1-)	Trodelvy 2L+ mUC	KarXT Schizophrenia (adjunctive)	Tremfya Ulcerative colitis
Additional indica	Tazverik (+ hormonotherapy) mCRPC	Trodelvy (+ pembrolizumab) ⁽¹⁾ 1L mNSCLC	Trodelvy (+ pembrolizumab) Adjuvant TNBC	Trodelvy (+ pembrolizumab) 1L mTNBC (PD-L1+)	KarXT Psychosis in Alzheimer's disease	Tremfya⁽⁵⁾ Crohn's disease
	seltorexant AD with agitation/aggression	Tremfya Giant cell arteritis	Trodelvy HR+/HER2- chemo-naïve mBC	Trodelvy (+ pembrolizumab) ⁽⁴⁾ 1L mNSCLC	Tremfya PsA Structural Damage	
	Skytrofa Turner syndrome	frexalimab Systemic lupus erythematosus	Trodelvy 2L+ mEC	Cabometyx (+ PD1) 1L metastatic RCC	Spinraza (higher dose) Spinal Muscular Atrophy	
	frexalimab Type 1 diabetes		Erleada High risk prostate cancer ⁽²⁾	Cabometyx (+ Tecentriq) mCRPC	Skytrofa Adult GHD	
	Para disease		Erleada Localized prostate cancer ⁽³⁾	Cabometyx Advanced NET	aficamten nHCM	
	Rare disease Neuroscience Immunology Cardio-Metabolic Cancer		Imbruvica 1L Follicular lymphoma	Tazverik (+ Revlimid, Rituxan) 2L Follicular lymphoma		

HNSCC: head and neck squamous cell carcinoma; mCRPC: metastatic castration-resistant prostate cancer; AD: Alzheimer's disease; mUC: metastatic urothelial carcinoma; mNSCLC: metastatic non-small-cell lung carcinoma; oHCM: obstructive hypertrophic cardiomyopathy; TNBC: triple negative breast cancer; mBC; metastatic breast cancer; mEC: metastatic endometrial cancer; nOH: neurogenic orthostatic hypotension; MSA: multiple system atrophy; mTNBC: metastatic triple negative breast cancer; RCC: renal cell carcinoma; NET; neuroendocrine tumors; nHCM: non-obstructive hypertrophic cardiomyopathy; MDD: major depressive disorder; PsA: psoriatic arthritis; GHD: growth hormone deficiency

Updates to non-GAAP measures

Previous		New	Comments
Adjusted Cash Receipts (Non-GAAP)		Portfolio Receipts	Calculation of Portfolio Receipts will result in the same total as under previous presentation of Adjusted Cash Receipts Individual royalties to be reported net of legacy non-controlling interests to facilitate increased transparency of individual royalty economics
Adjusted EBITDA (Non-GAAP)		Adjusted EBITDA (Non-GAAP)	No change Liquidity measure
Adjusted Cash Flow (Non-GAAP)		Portfolio Cash Flow (Non-GAAP)	Liquidity measure Measure of cash that can be redeployed into value-enhancing royalty acquisitions, to pay down debt and for return of capital to shareholders Primary difference from Adjusted Cash Flow is exclusion of Development-stage funding payments - upfront and milestone
N/A		Capital Deployment	Capital Deployment was previously included in various line items on the statement of cash flows New presentation aggregates all Capital Deployment (except purchases of equity securities and marketable securities) into one metric Components of Capital Deployment detailed in separate table

ROYALTY PHARMA

Royalty Pharma Liquidity Summary

\$ in millions	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019 (PF) ⁽¹⁾
Portfolio Receipts	3,049	2,789	2,129	1,800	1,776
Payments for operating and professional costs	(243)	(223)	(185)	(180)	(145)
Adjusted EBITDA (non-GAAP)	2,806	2,566	1,944	1,621	1,631
Interest (paid)/received, net	(98)	(145)	(143)	(131)	(250)
Portfolio Cash Flow (non-GAAP)	2,708	2,421	1,801	1,490	1,381

Royalty Pharma GAAP to non-GAAP reconciliations

\$ in millions	FY 2023	FY 2022	FY 2021	FY 2020	FY 2019 (PF) ⁽¹⁾
Net cash provided by operating activities (GAAP)	2,988	2,144	2,018	2,035	1,673
Adjustments:					
Proceeds from available for sales debt securities	1	542	63	3	150
Distributions from equity method investees	44	-	1	15	-
Interest paid/(received), net	98	145	143	131	250
Derivative collateral posted/(received), net	-	-	-	(45)	-
Development-stage funding payments – ongoing	2	2	7	20	83
Development-stage funding payments – upfront and milestones	50	175	193	6	-
Distributions to legacy non-controlling interests – Portfolio Receipts	(377)	(442)	(480)	(544)	(525)
Adjusted EBITDA (non-GAAP)	2,806	2,566	1,944	1,621	1,631
Interest (paid)/received, net	(98)	(145)	(143)	(131)	(250)
Adjusted EBITDA (non-GAAP)	2,708	2,421	1,801	1,490	1,381

Amounts may not add due to rounding.

^{1.} The 2019 results are calculated on a pro forma basis, which adjusts certain cash flow line items as if our Reorganization Transactions (as described in our final prospectus filed with the SEC on June 17, 2020) and our initial public offering had taken place on January 1, 2019. The most significant difference between the pro forma and reported figures is the non-controlling interest attributable to legacy investors that resulted from the Reorganization Transactions.

Footnotes

- (1) To aid in comparability, growth in 2020 is calculated based on pro forma 2019 results, which adjusts certain cash flow line items as if Royalty Pharma's Reorganization Transactions (as described in the Company's final prospectus filed with the SEC on June 17, 2020 ("Prospectus") and its initial public offering ("IPO") had taken place on January 1, 2019. The most significant difference between the pro forma and reported figures is the new non-controlling interests that resulted from the Reorganization Transactions. The new contractual non-controlling interests arose in the Reorganization Transactions that results in a higher distribution to non-controlling interests on a pro forma basis as compared to prior historical periods. Less material differences also arise in Royalty Receipts for other products as well as *Payments for operating and professional costs*, *Interest paid*, net and in the payments associated with our former interest rate swap contracts.
- (2) Portfolio Receipts is a key performance metric that represents our ability to generate cash from our portfolio investments, the primary source of capital that we can deploy to make new portfolio investments. Portfolio Receipts is defined as the sum of Royalty Receipts and milestones and other contractual receipts. Royalty Receipts include variable payments based on sales of products, net of contractual payments to the legacy non-controlling interests, that is attributed to Royalty Pharma. Milestones and other contractual receipts include sales-based or regulatory milestone payments and other fixed contractual receipts, net of contractual payments to the legacy non-controlling interests, that is attributed to Royalty Pharma. Portfolio Receipts does not include proceeds from equity securities or marketable securities, both of which are not central to our fundamental business strategy. Portfolio Receipts is calculated as the sum of the following line items from our GAAP consolidated statements of cash flows: Cash collections from financial royalty assets, Cash collections from intangible royalty assets, Other royalty cash collections, Proceeds from available for sale debt securities and Distributions from equity method investees less Distributions to legacy non-controlling interests Portfolio Receipts, which represent contractual distributions of Royalty Receipts and milestones and other contractual receipts to the Legacy Investors Partnerships and RPSFT.
- (3) Adjusted EBITDA is important to lenders and is defined under the credit agreement as Portfolio Receipts less payments for operating and professional costs. Operating and professional costs are comprised of *Payments for operating and professional costs* from the statements of cash flows. See GAAP to Non-GAAP reconciliation in the Company's current report on Form 8-K dated February 15, 2024. See the Company's Annual Report on Form 10-K filed with SEC on February 15, 2024 for additional discussion on defined term.
- (4) Portfolio Cash Flow is defined under the revolving credit agreement as Adjusted EBITDA minus interest paid or received, net. See GAAP to Non-GAAP reconciliation in the Company's Current Report on Form 8-K dated February 15, 2024. See the Company's Annual Report on Form 10-K filed with SEC on February 15, 2024 for additional discussion on defined term.
- (5) Capital Deployment represents the total outflows that will drive future Portfolio Receipts and reflects cash paid at the acquisition date and any subsequent associated contractual payments reflected in the period in which cash was paid. Capital Deployment is calculated as the summation of the following line items from our GAAP consolidated statements of cash flows:

 **Investments in equity method investees, Purchases of available for sale debt securities, Acquisitions of financial royalty assets, Acquisitions of other financial assets, Milestone payments,

 **Development-stage funding payments ongoing, Development-stage funding payments upfront and milestone less Contributions from legacy non-controlling interests R&D.

Long-term Outlook footnote

(1) Royalty Pharma's long-term outlook is based on its most up-to-date view on its prospects as of May 17, 2022. This long-term outlook assumes no major unforeseen adverse events subsequent to the date of this presentation. Growth outlook includes future royalty acquisitions. Furthermore, Royalty Pharma may amend its long-term outlook in the event it engages in new royalty transactions. See the information on slide 3 "Forward Looking Statements & Non-GAAP Financial Information," for factors that may impact the long-term outlook.

ROYALTY PHARMA

64