ROYALTY PHARMA

ROYALTY PHARMA

Corporate Presentation

January 2024

Forward looking statements & non-GAAP financial information

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ROYALTY PHARMA
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

27
years of compounding value

60%
share of pharmaceutical royalty market[1]

Compounding growth through value creation

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

~13
year portfolio duration with track record of growing through royalty expirations

15
blockbusters (>$1bn in annual sales) in portfolio[4]

Significant funding opportunity

>$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

Efficient business model

~7-8%
cost of capital even with higher rates

$2.8 billion
2022 top line; 92% Adjusted EBITDA margins, providing consistent and growing cash flow to be redeployed

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

1. Royalty Pharma market share from 2012–2023; internal estimates of biopharma royalty market based on announced transactions. 2. Royalty Pharma top-line CAGR includes includes future investments. Royalty Pharma's growth target provided at May 2022 Investor Day. See slide 60 for additional details. 3. Returns reflect a combination of actual results and estimated projected returns for investments based on analyst consensusus sales projections (where applicable). IRR (or returns) are calculated using total cash outflows and total cash inflows, in each case including royalties, milestones and other cash flows. See slide 60 for additional details. 4. Based on 2022 end market sales and excludes products tied to recently expired royalties. 5. Royalty Pharma's capital deployment target provided at Investor Day. See slide 60 for additional details.

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

1

Existing royalties

Acquire existing royalties on market-leading 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

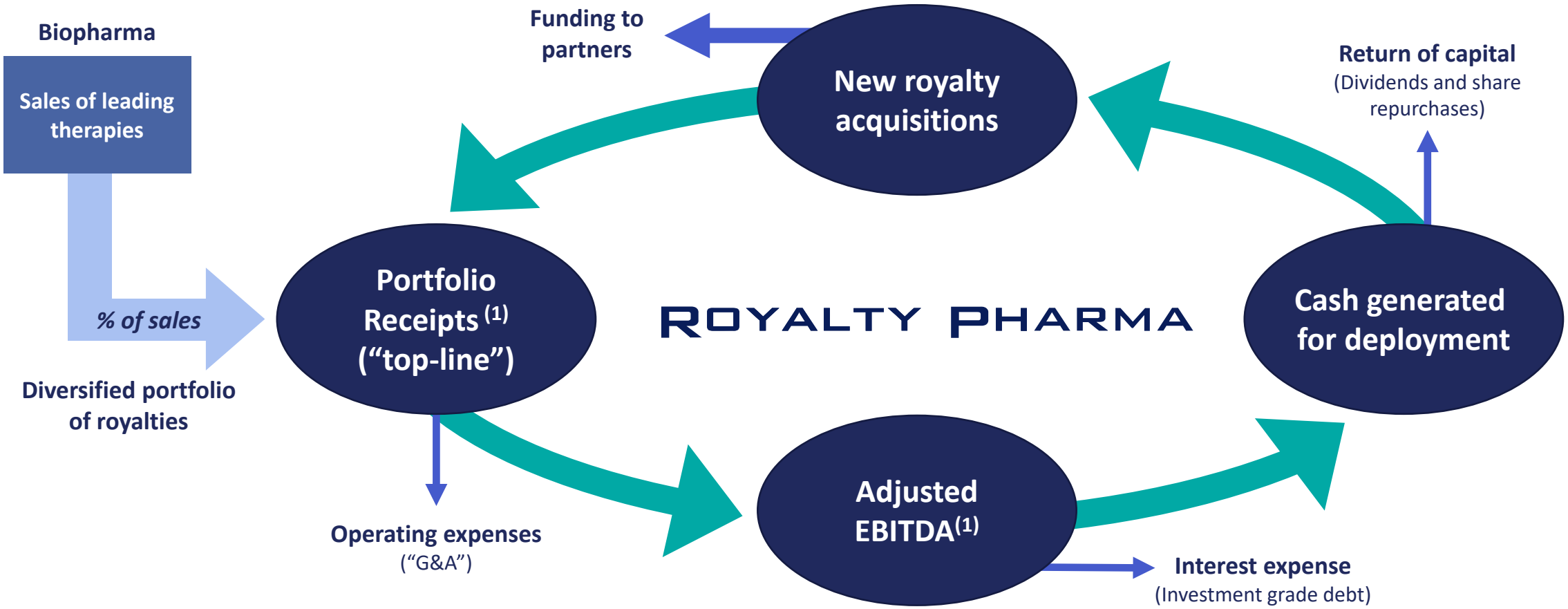
Leverage team's capabilities in business adjacencies

1. Including equity investments.

Advancing our partners' core mission with win-win solutions

Structure	Potential benefits to partner
Existing royalties	• Diversification of asset portfolio • Non-dilutive funding for business growth and investment • Upfront capital today in exchange for a long-dated stream of payments
Synthetic royalties	• Funding for completion of development and commercialization of portfolio • Retain operational control of development programs • Lower cost of capital than issuing equity
Launch & development capital	• Launch funding offers flexible, patient, long-term alternative financing • Lower cost of capital than selling equity and less restrictive than debt
M&A	• Monetize non-strategic passive royalties to reduce net M&A price • Capital provided through purchase of royalties and supplemental funding

Simple and efficient business model focused on cash flow

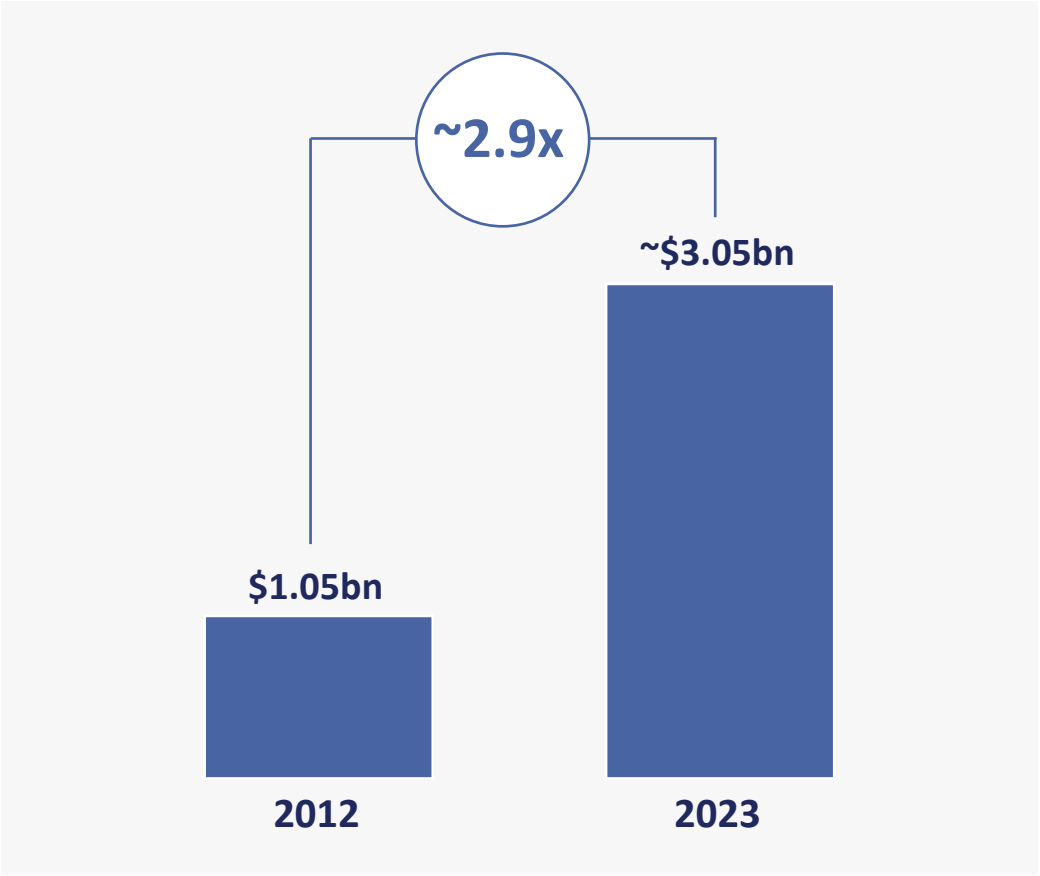


Large diversified royalty portfolio generates significant cash to redeploy in new royalties

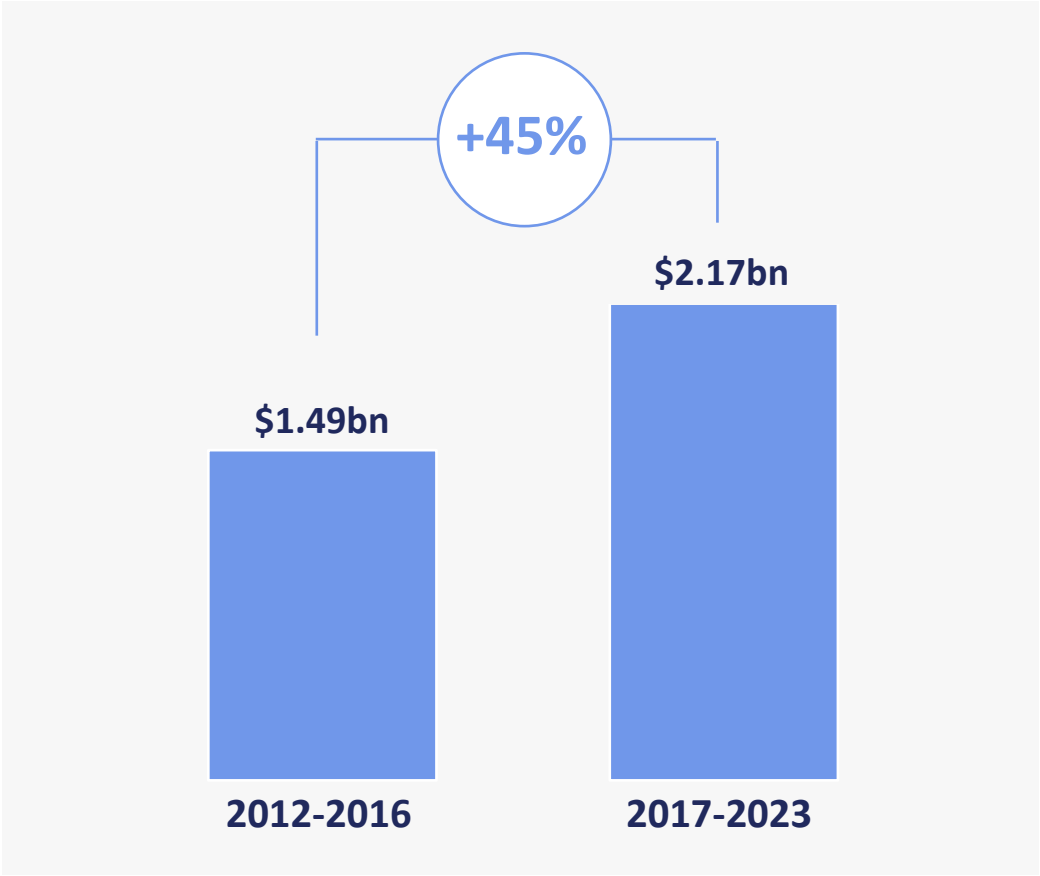
1. See slide 60 for definitions. Refer to the Appendix for a GAAP to non-GAAP reconciliation.

Track record of delivering strong growth

Portfolio Receipts[1]



Capital deployed
(annual average)



1. Portfolio Receipts for periods 2020 and earlier are pro forma for current non-controlling interests. See slide 60 for additional information.

Innovative business model supports biopharma ecosystem

Fund Structure
1996 to 2003

1.0

- Funded only with equity
- Achieved proof-of-concept
- Focused on 3rd party royalties in approved products

Ongoing Business
2004 to 2011

2.0

- Lowered cost of capital with leverage
- Expanded to M&A related royalties

Ongoing Business
2012 to 2020

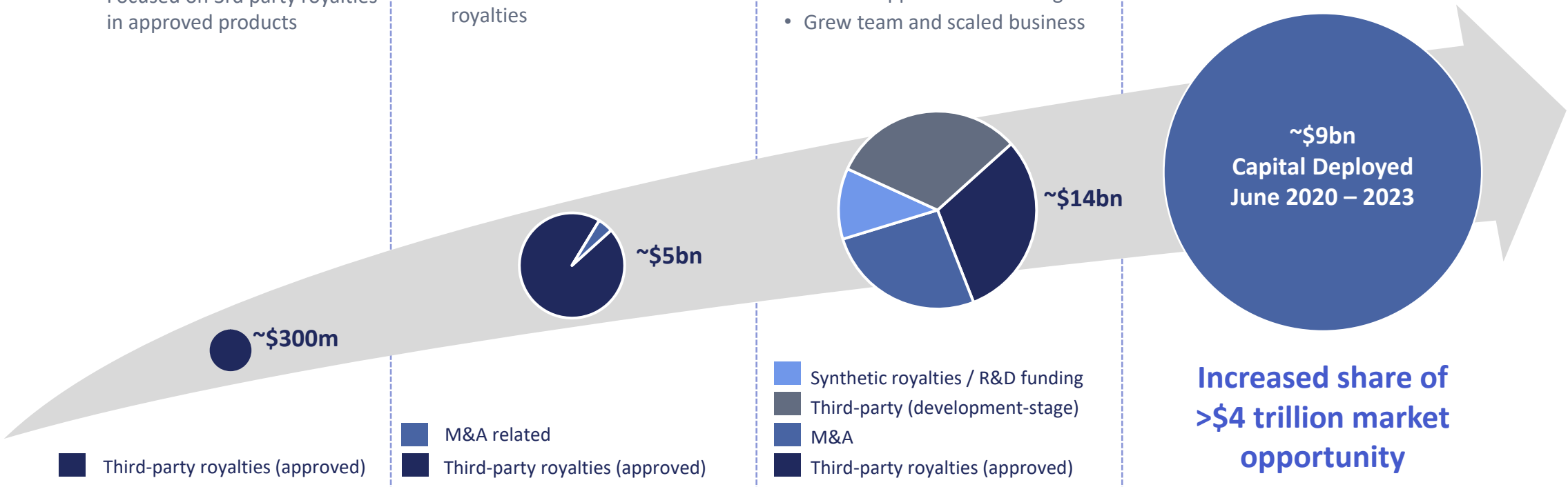
3.0

- Development stage products
- Created synthetic royalties
- Added supplemental funding
- Grew team and scaled business

Public Company (IPO) in June 2020
Inaugural Bond Issuance in August 2020[1]

4.0

- **Significantly scale business**
- **Selectively add adjacencies**



Increased share of >$4 trillion market opportunity

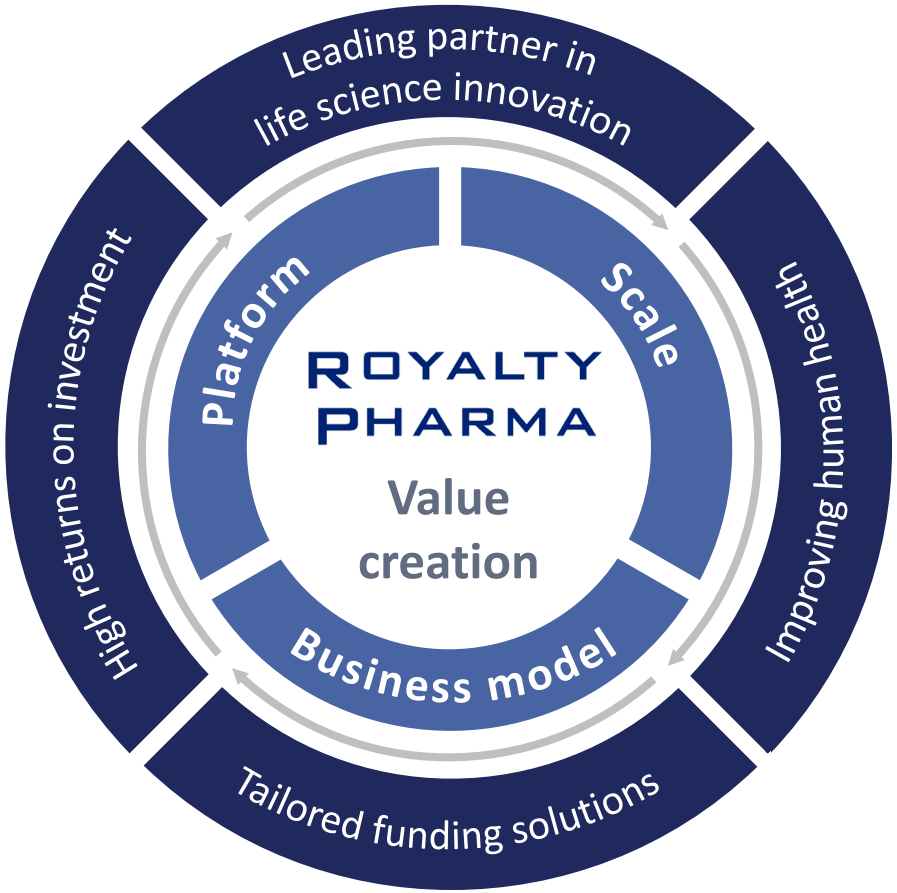
Source: Internal estimates. Data reflects actual cash deployed for transactions.
1. Aggregate of $6.0 billion senior unsecured notes with weighted-average maturity of approximately 12.5 years and weighted-average coupon of 2.125%.

Strong competitive moat in biopharma royalty funding

	Business model	Scale	Platform
ROYALTY PHARMA	• 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-strategy • New to industry

1. Weighted average coupon.

Powerful engine for value creation and compounding growth



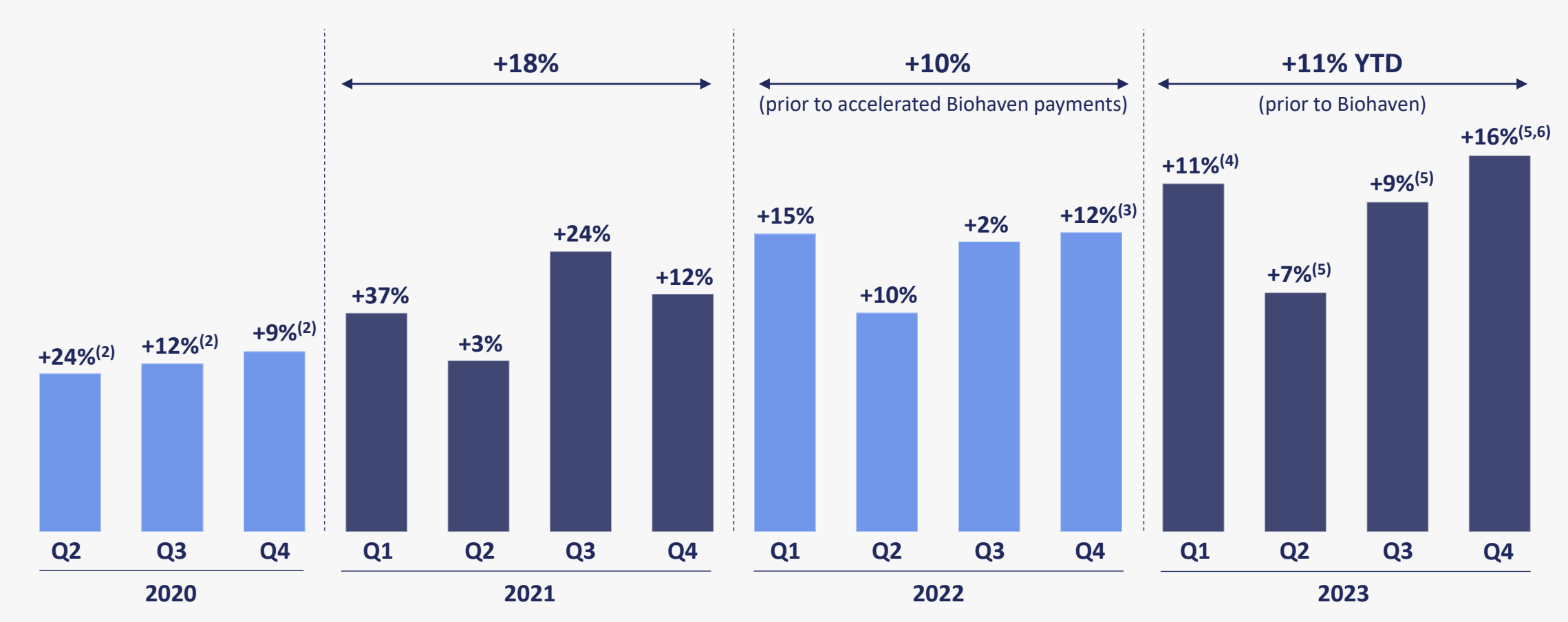
Compounding top-line growth + **Efficient business model** → **Attractive shareholder returns**

Consistently replenishing portfolio, powering long-term compounding growth

Impressive track record of strong growth since IPO

Portfolio Receipts[1]

(year/year growth)



1. See slide 60 for definitions.
2. On pro forma basis. See slide 60 for definition and additional information.
3. Growth of 12% is prior to the $458m accelerated Biohaven redemption payment received in Q4 2022.
4. Growth of 11% is prior to the $475m Zavzpret milestone payment received in Q1 2023 and $13m Series A Biohaven Preferred Shares redemption payment received in Q1 2022.
5. Growth is prior to the $13m Series A Biohaven Preferred Shares redemption payment received in each of the respective year ago quarters.
6. Growth is prior to the $50m oral zavegepant payment received in Q4 2023 and prior to the $458m accelerated Biohaven redemption payment received in Q4 2022.

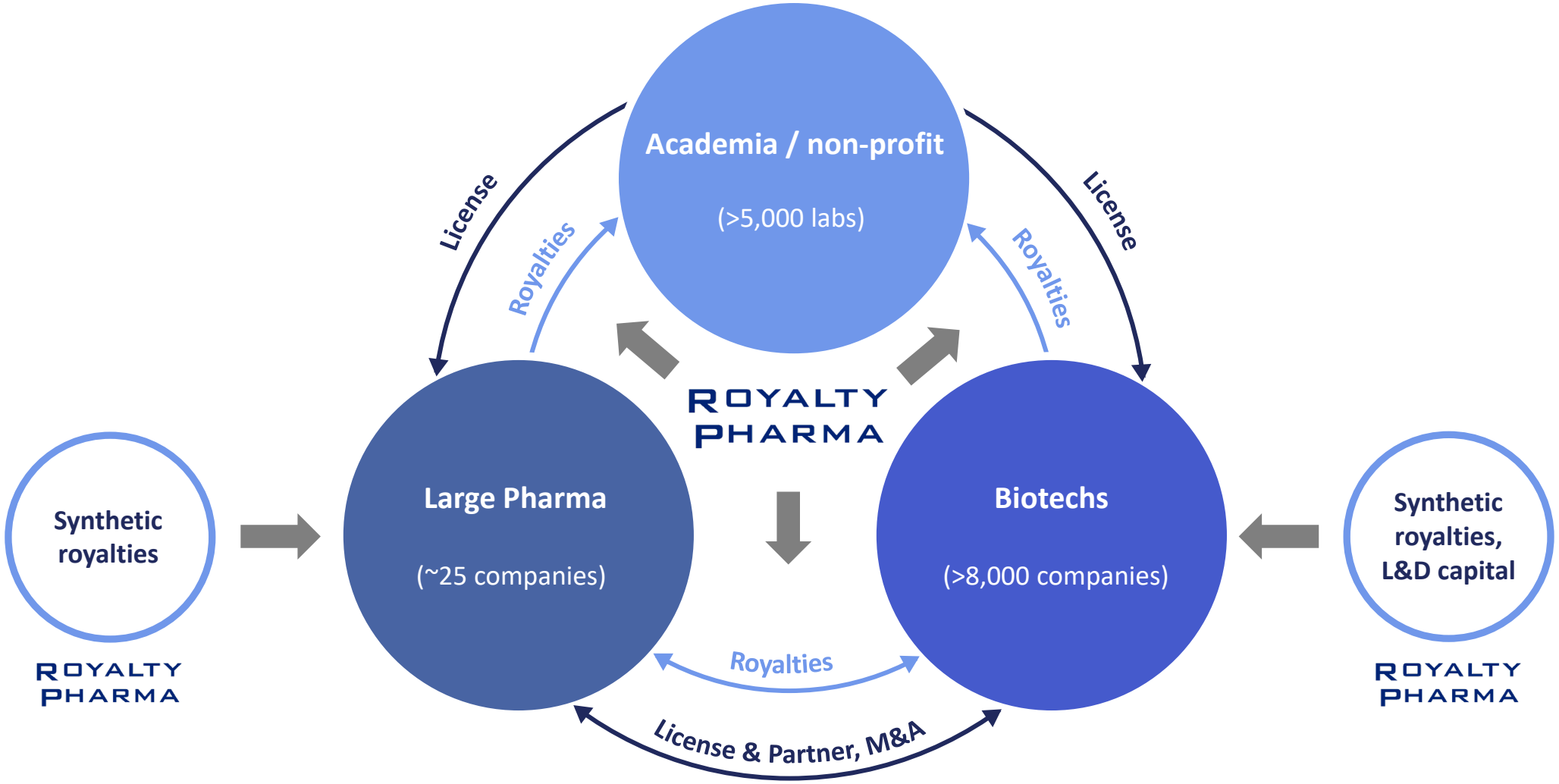
Significant accomplishments since IPO

		2020	2023	Increase
Growth	Portfolio Receipts[1]	$1.8bn	~$2.53bn / ~3.05bn	~41% / 69%
	2020-2025 PR CAGR outlook[2]	6-9%	11-14%	>65%
Capital deployment	Announced deal value (prior 3 years)	$3.7bn	$10.5bn	~2.8x
	5-year capital deployment target[3]	>$7bn	$10-12bn	>55%
Portfolio	New therapies added (prior 3 years)	14	24	~71%
	Development-stage therapies[4]	3	12	4x
Platform	Full time employees[5]	35	88	>2.5x
	In-depth opportunity reviews[6]	50	93	86%

PR: Portfolio Receipts

1. See slide 60 for definitions. Portfolio Receipts of $1.8 billion are for the period ended December 31, 2020; ~$2.53 billion excludes a $50 million payment related to oral zavegepant and the $475 million Zavzpret milestone payment, and ~$3.05 billion represents the expected total Portfolio Receipts to be reported for the period ended December 31, 2023.
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 60 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 60 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.

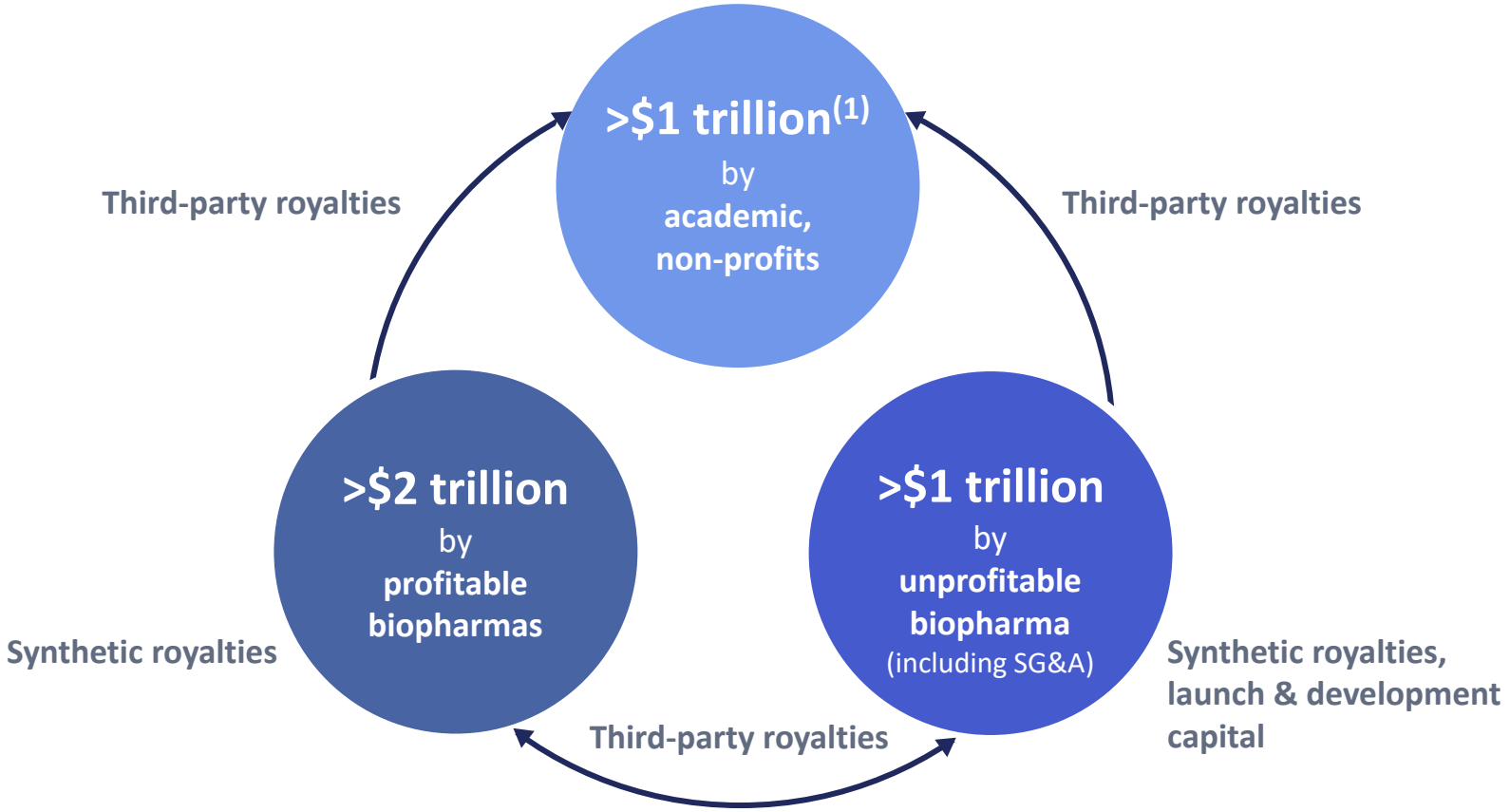
Industry fragmentation and complexity drive royalty creation



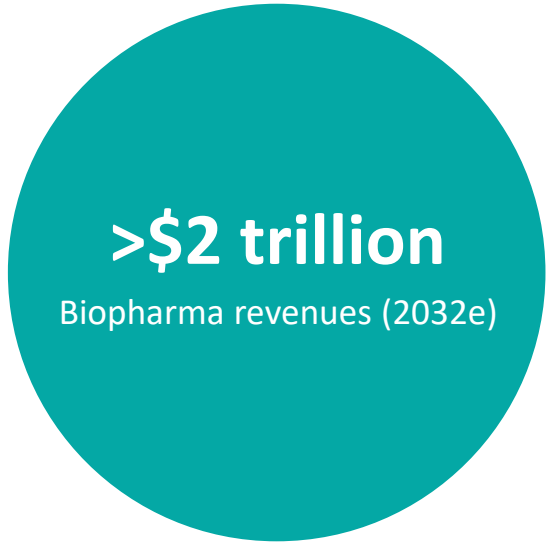
L&D: launch & development capital

Significant opportunity to fund biopharma innovation

Biopharma ecosystem cumulative R&D spend over next decade



Global pharma market(2)

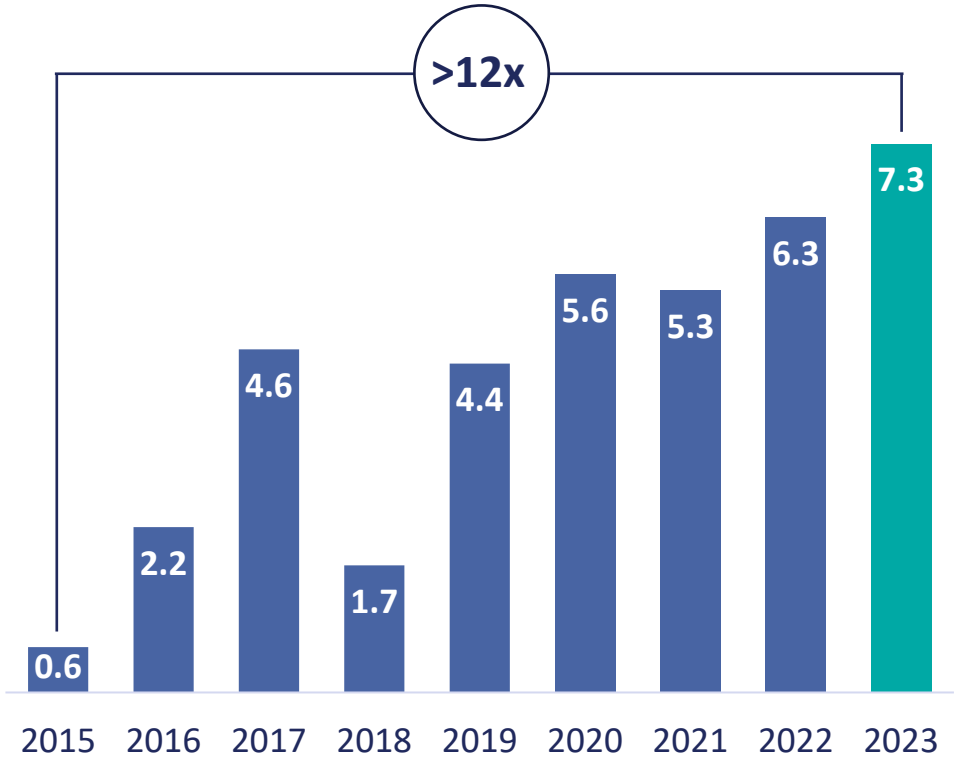


Entire biopharma ecosystem drives our pipeline

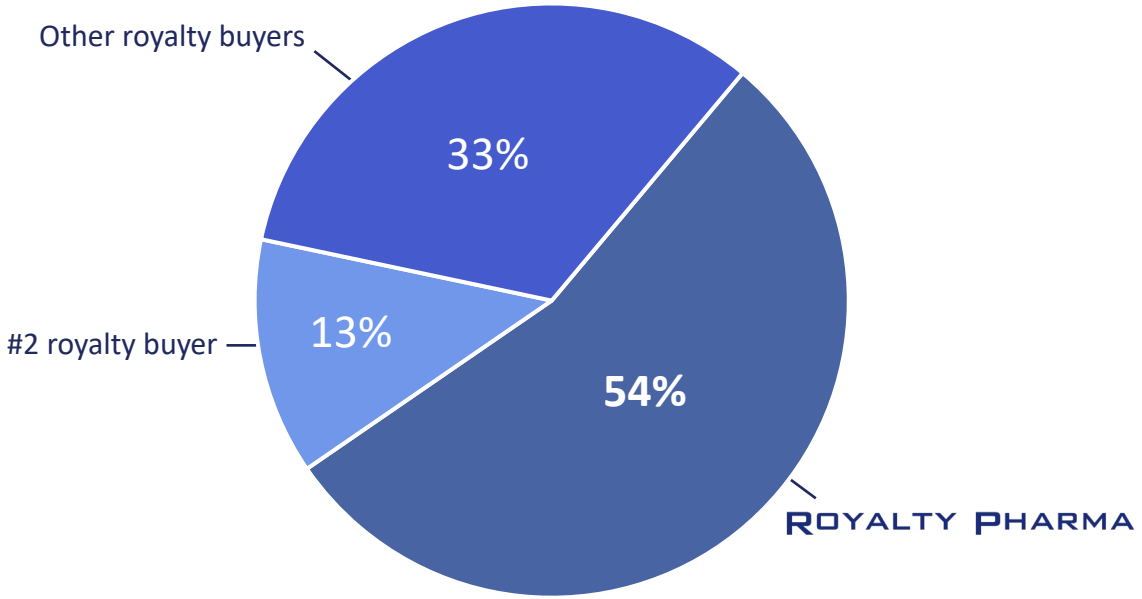
Source: Bloomberg, Visible Alpha and CapIQ
1. Based on estimates from Research America and internal Royalty Pharma analysis.
2. Based on Evaluate Pharma as of May 2022.

Strong momentum for biopharma royalty funding market

Dollar value of transactions[1]
($ in billions)



Biopharma royalty market share
(2023)

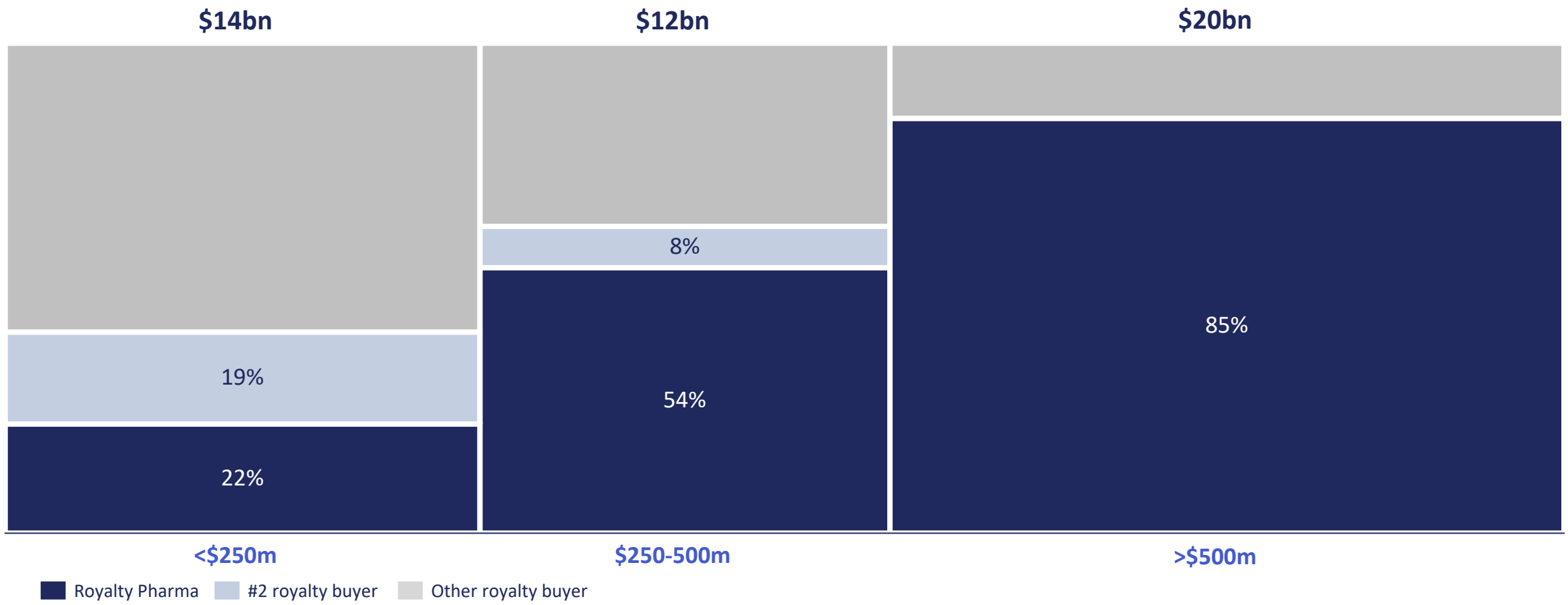


Royalty Pharma maintained its leading share of the rapidly growing biopharma royalty funding market

1. Internal estimates of historical biopharma royalty market size based on announced transactions.

Royalty Pharma is the leader in royalty transactions

Biopharma royalty market size and share by transaction value, 2012-2023[1]



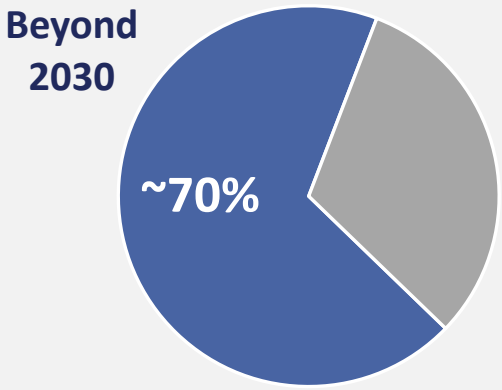
Royalty Pharma has maintained ~60% overall share since 2012 and is the go-to partner for larger transactions

1. Internal estimates of historical biopharma royalty market size based on announced transactions; size of blocks are relative to total announced value in each deal size range.

Long duration portfolio consistently replenished

Duration of portfolio (At IPO)

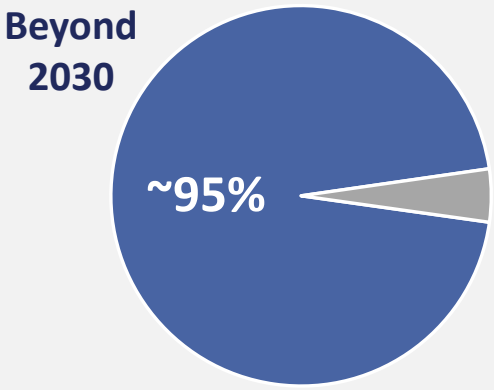
(by PV)



+

Duration of royalties acquired 2020-2023

(by PV)



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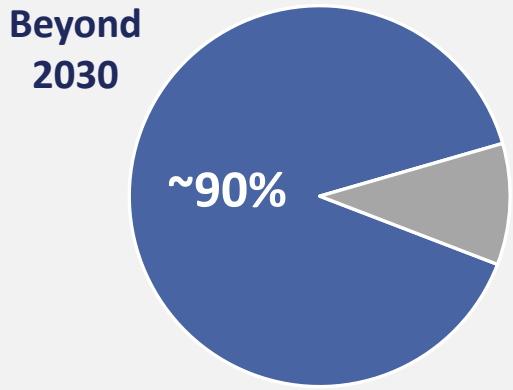
Duration of portfolio (Today)

(by PV)



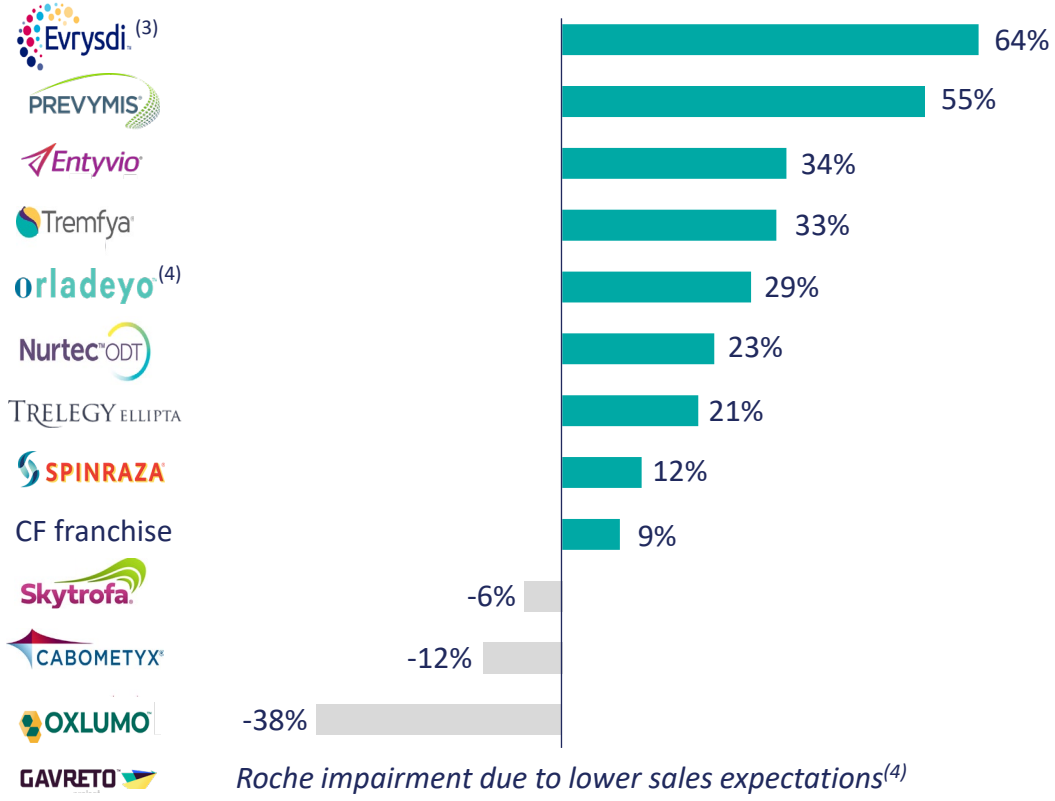
~13 year weighted average royalty portfolio duration

IPO: initial public offering; NPV: net present value

Strong early performance of recent transactions[1]

Percent change in 2025 consensus sales[2] since acquisition

(Transactions since 2020; approved therapies)



Roche impairment due to lower sales expectations[4]

Development-stage therapies

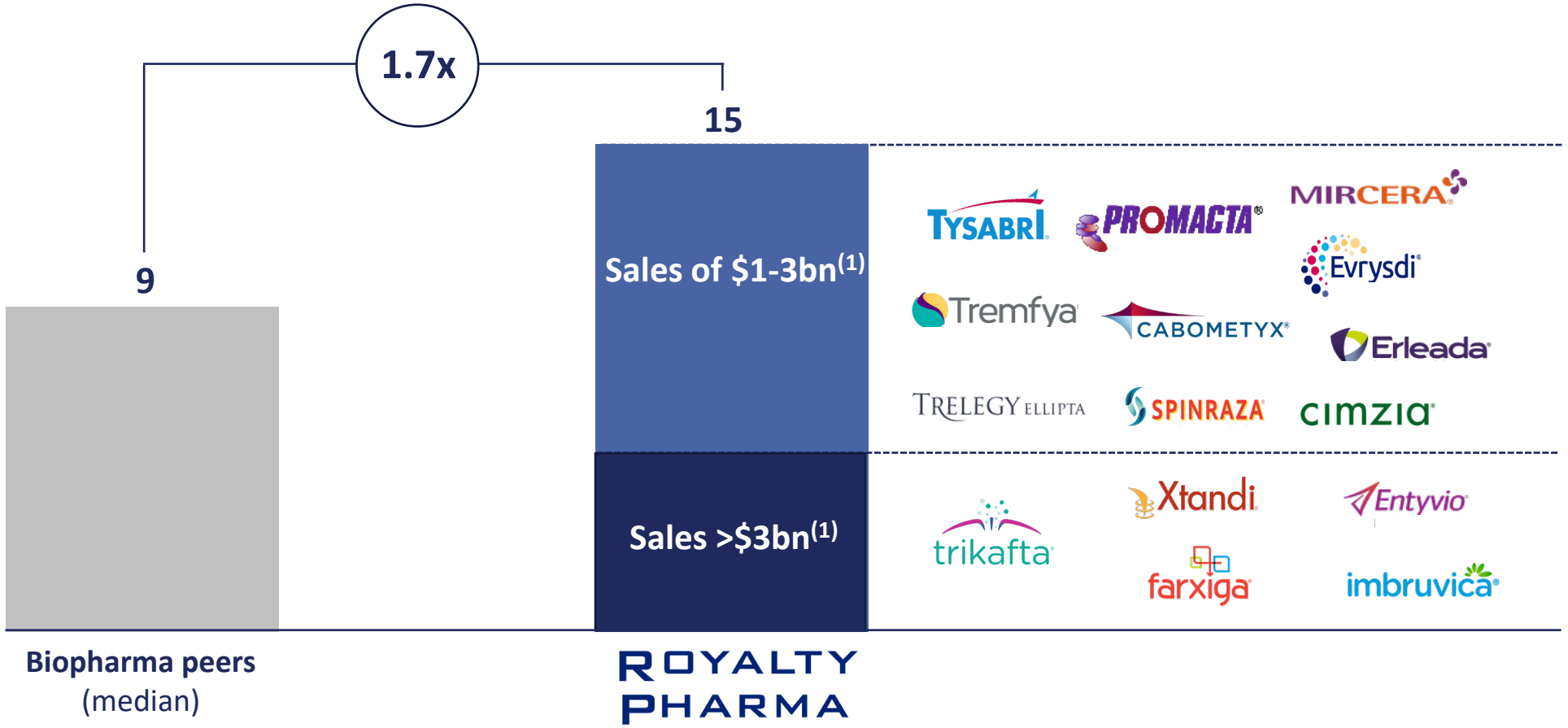
(Transactions since 2020; select past events)

	Therapy	Indication	Event	Status
Clinical	aficamten	oHCM	Phase 3 results	☑
	pelabresib	Myelofibrosis	Phase 3 results	☑
	Tremfya	Ulcerative colitis	Phase 3 results	☑
	trontinemab	Alzheimer's disease	Phase 1b/2a data	☑
	gantenerumab	Alzheimer's disease	Phase 3 results	☒
	otilimab	Rheumatoid arthritis	Phase 3 results	☒
	BCX10013	PNH	PoC study	☐
Regulatory	KarXT	Schizophrenia	NDA acceptance	☑
	Zavzpret	Migraine	NDA approval	☑
	Airsupra	Asthma	NDA approval	☑
	Evrysdi	SMA	NDA approval	☑

oHCM: obstructive hypertrophic cardiomyopathy; 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 January 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. Change in Orladeyo consensus sales is from date of initial BioCryst transaction (December 7, 2020).
5. Roche Finance Report 2022, February 2, 2023.

Industry leading exposure to blockbuster products

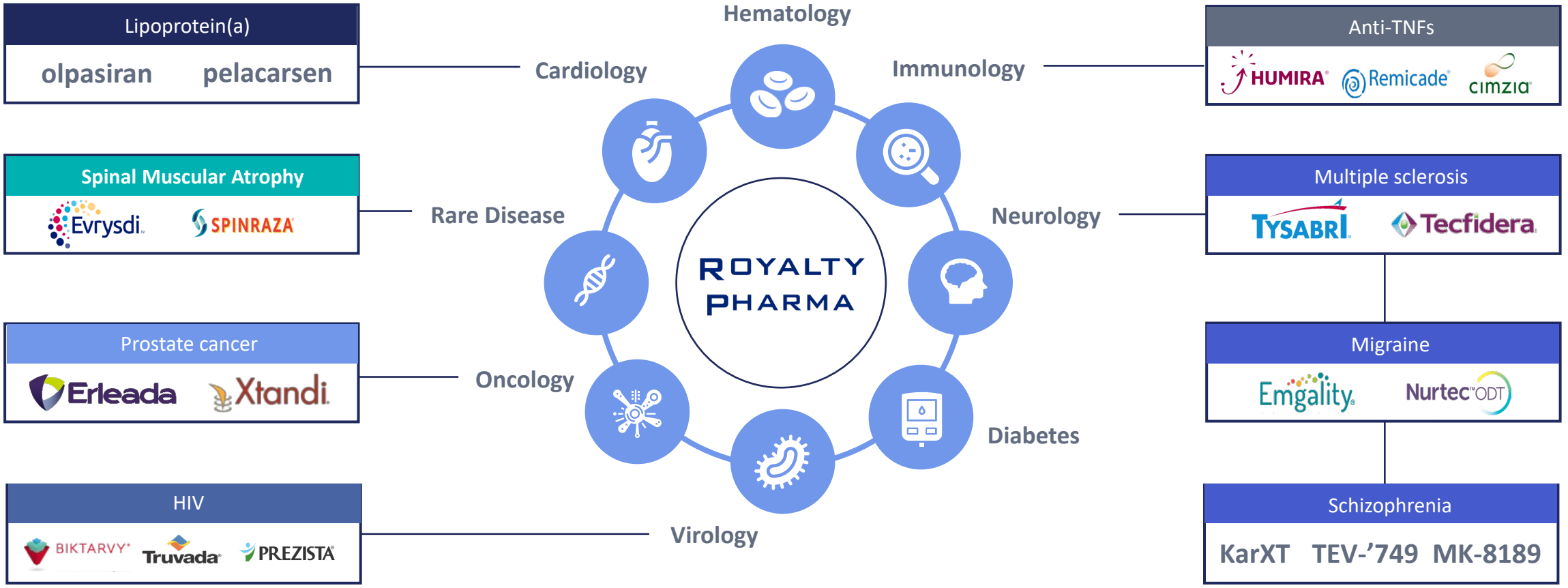


Portfolio includes premier products and franchises backed by strong support from marketers

Peers consist of Eli Lilly, Johnson & Johnson, Merck, Pfizer, AbbVie, Bristol Myers Squibb, Gilead, Amgen, Biogen, Vertex, Regeneron, Roche, Novartis, GSK, Sanofi, Novo Nordisk and AstraZeneca.

1. Calculated based on 2022 end market sales and excludes products tied to recently expired royalties.

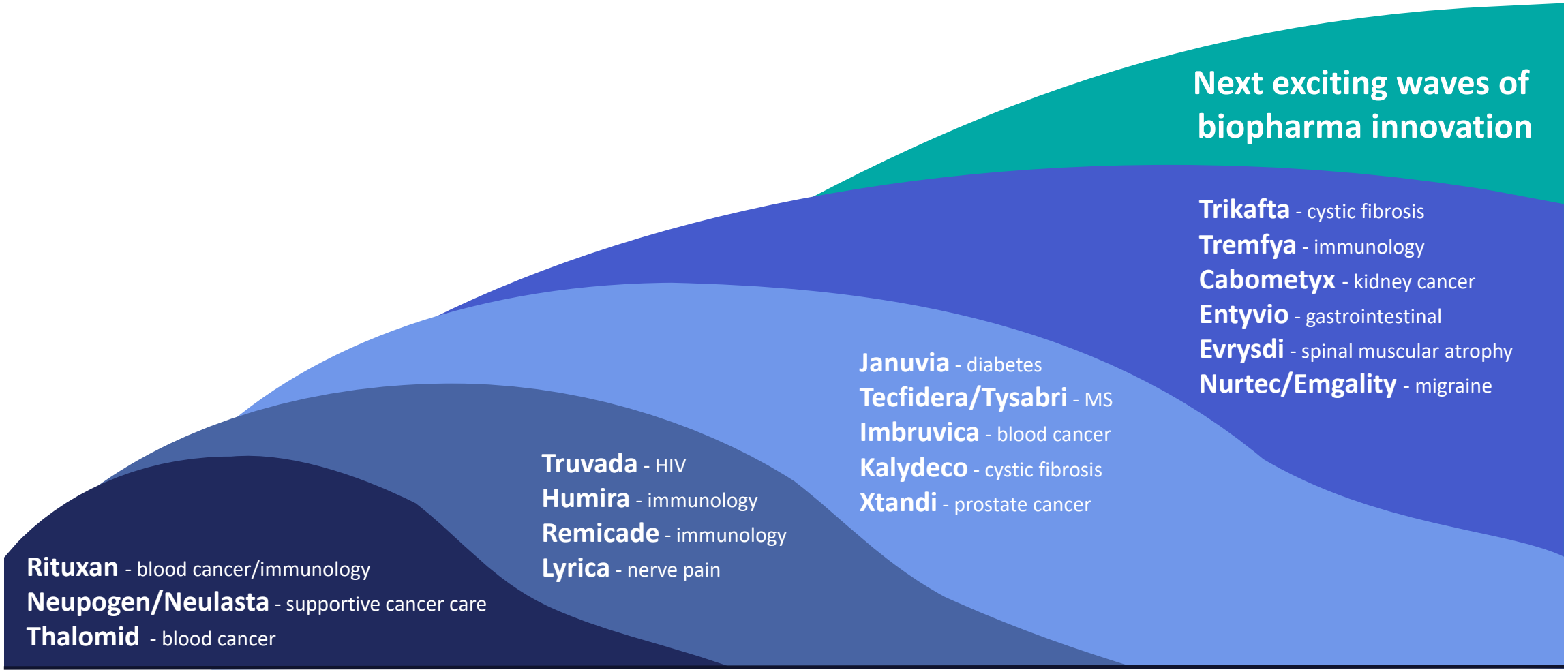
Unique ability to invest in multiple products in the same class



Portfolio agnostic to therapeutic area, modality and drug class

Anti-TNFs: Anti-tumour necrosis factor antibodies; HIV: human immunodeficiency virus

Participating in most important waves of biopharma innovation



MS: Multiple sclerosis

Synthetic royalties are an attractive funding modality

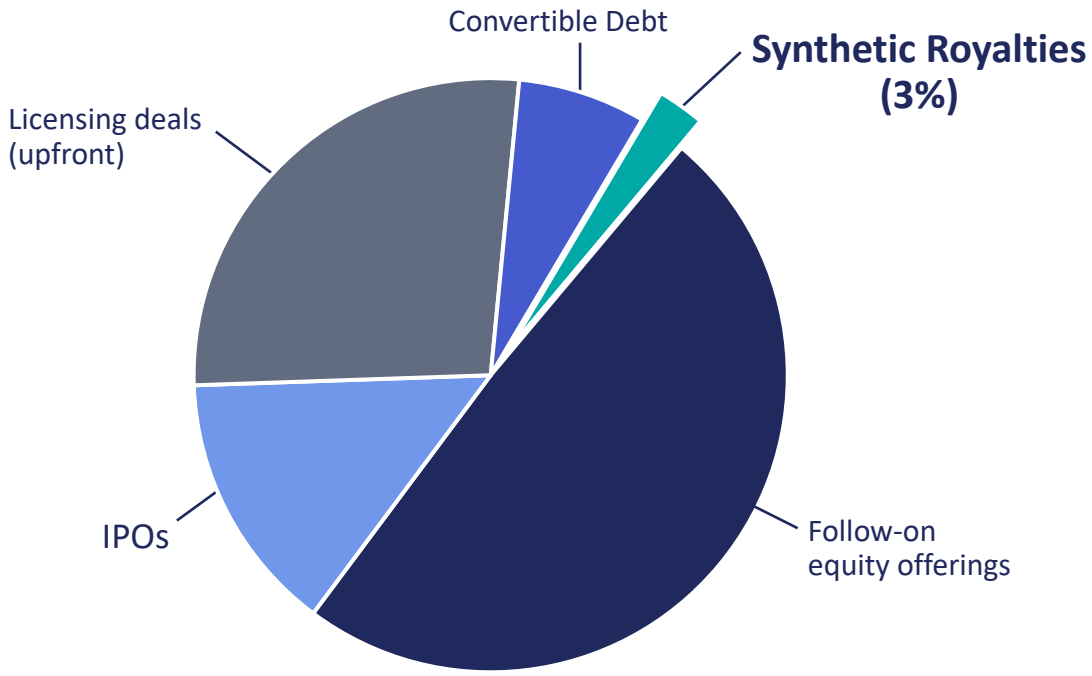
	Benefits to biopharma partner		
	Royalty	Debt	Equity
Non-dilutive to equity / preserves equity upside	✓	✓	
Customized and tailored funding solutions	✓		
Independent validation of therapy's value to patients	✓		
Share risk of development and/or commercialization	✓		✓
No financial covenants	✓		✓
Long-term 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

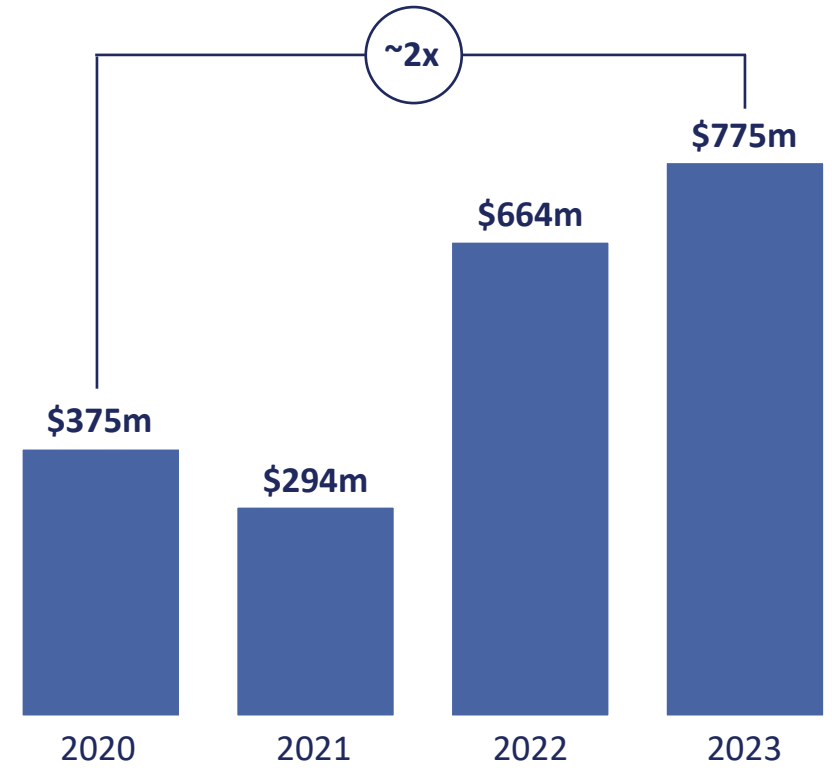
>$260bn biopharma industry funding[1,2]

(2019-2023)



Strongest year ever for RP synthetic royalty transactions

(Announced value)[3]



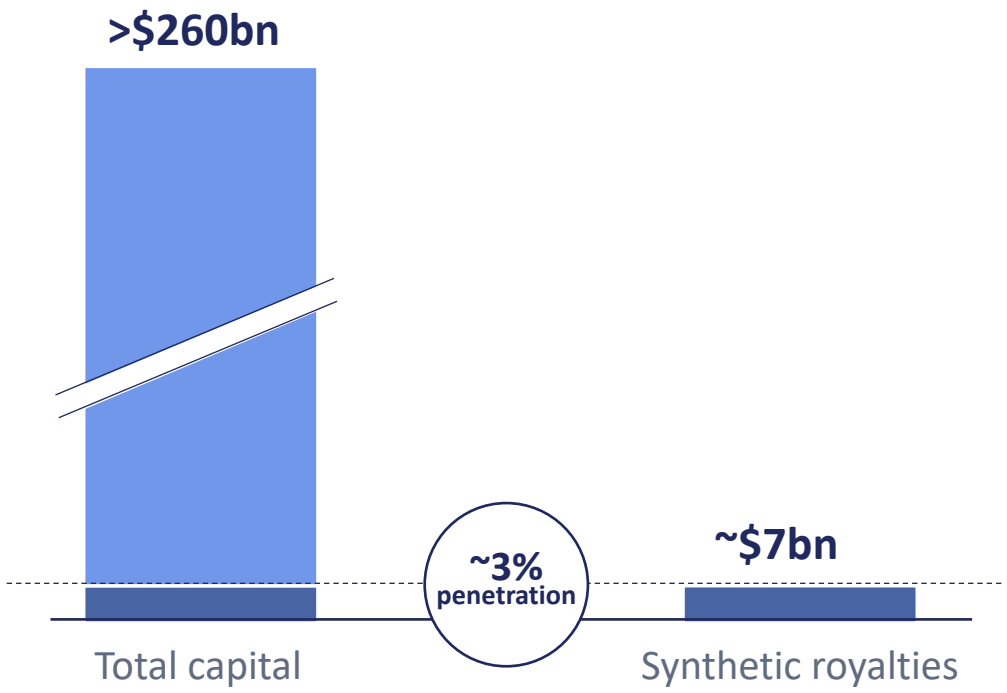
Source: Dealogic, Biomedtracker, internal estimates, Evaluate.

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

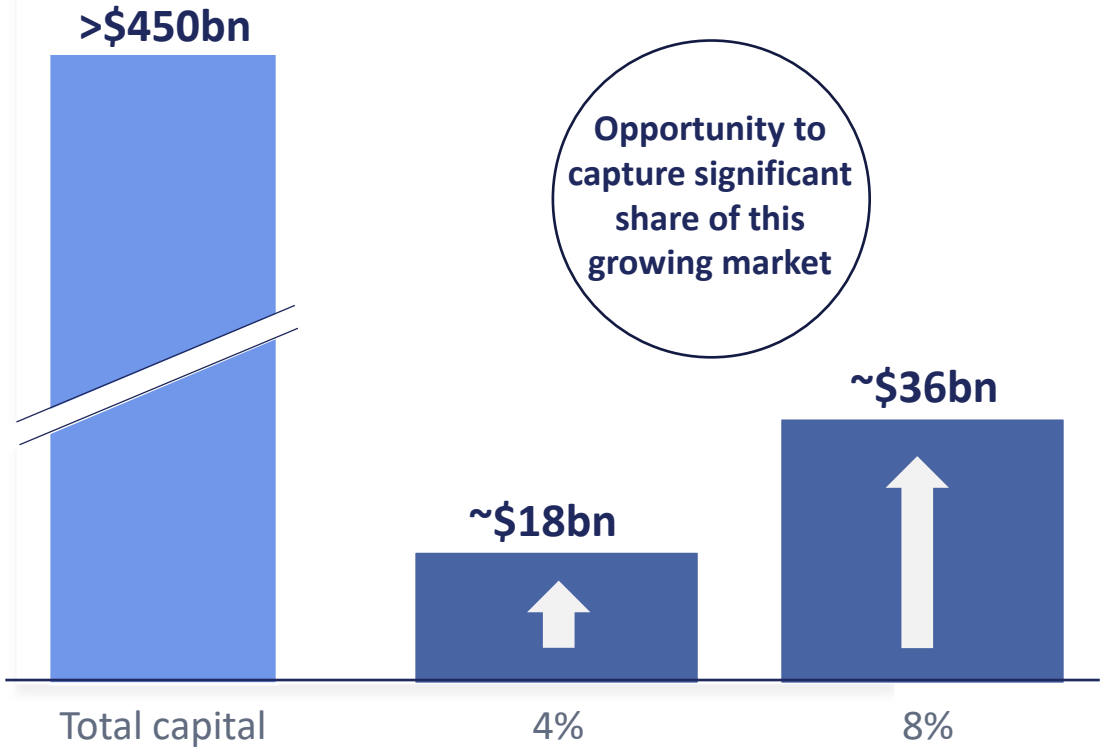
Biopharma funding sources[1,2]

(2019 to 2023)



Synthetic royalty opportunity

(Cumulative next 5 years[3])



Illustrative synthetic royalty penetration rates
(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.

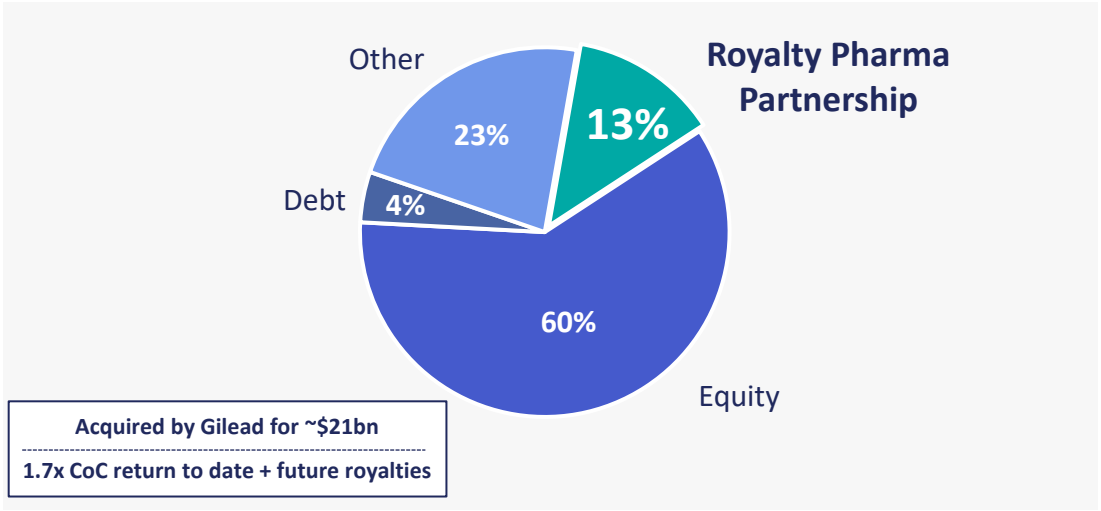
Providing needed capital for M&A transactions

	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	morphosys; Constellation PHARMACEUTICALS	astellas; (osi) pharmaceuticals	**Emerging opportunity**

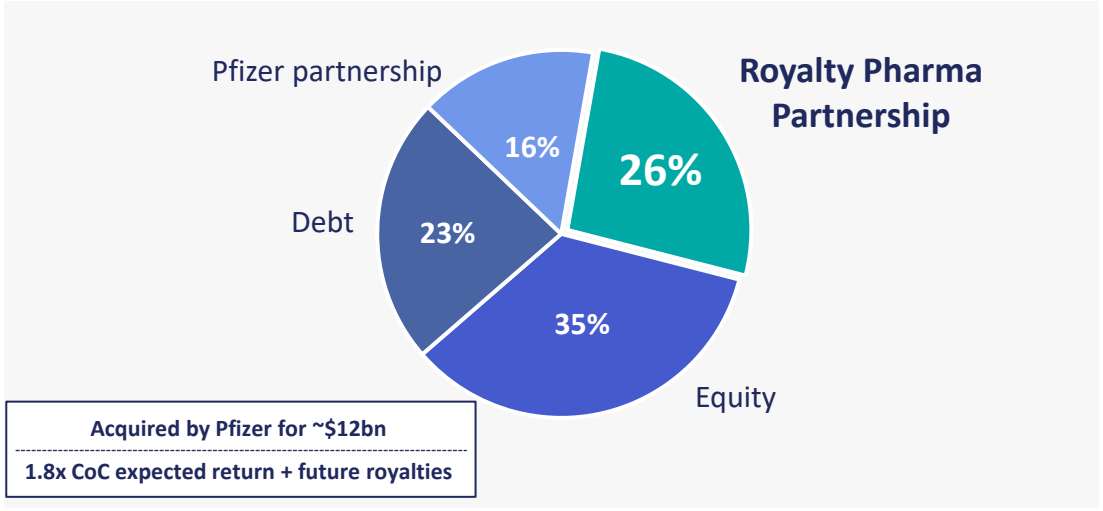
FTC: Federal Trade Commission

Emerging funding paradigm for successful biotechs

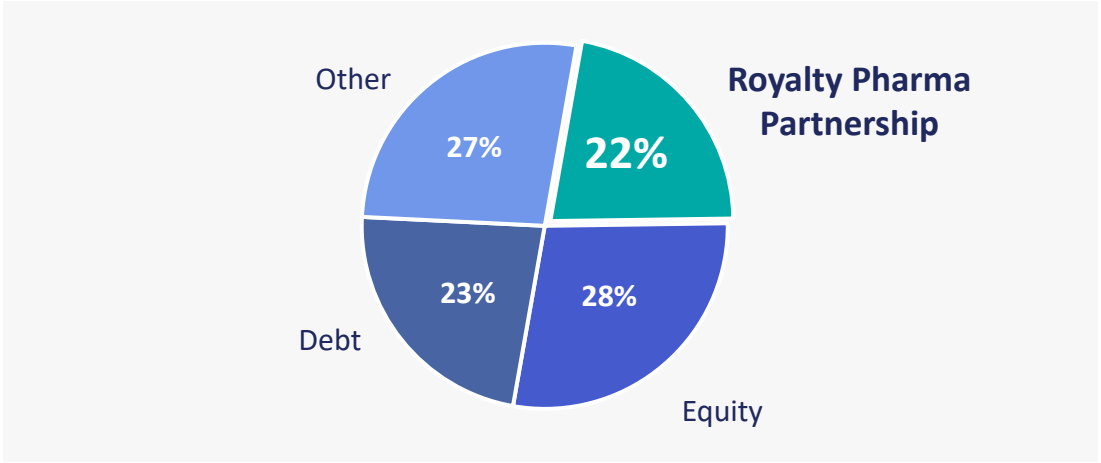
Immunomedics raised ~$1.9bn in capital[1]



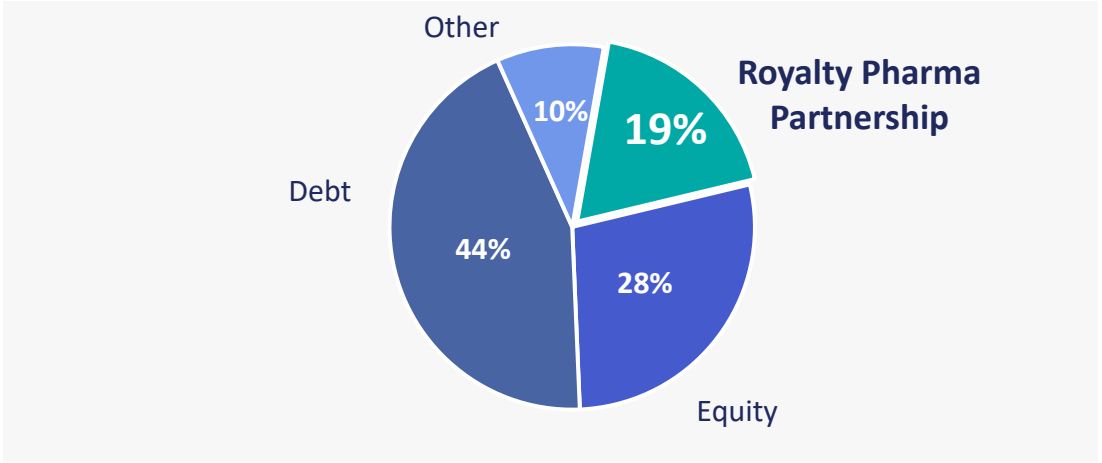
Biohaven raised ~$3.2bn in capital[2]



Cytokinetics raised ~$2.5bn in capital[3]



BioCryst raised ~$1.8bn in capital[4]



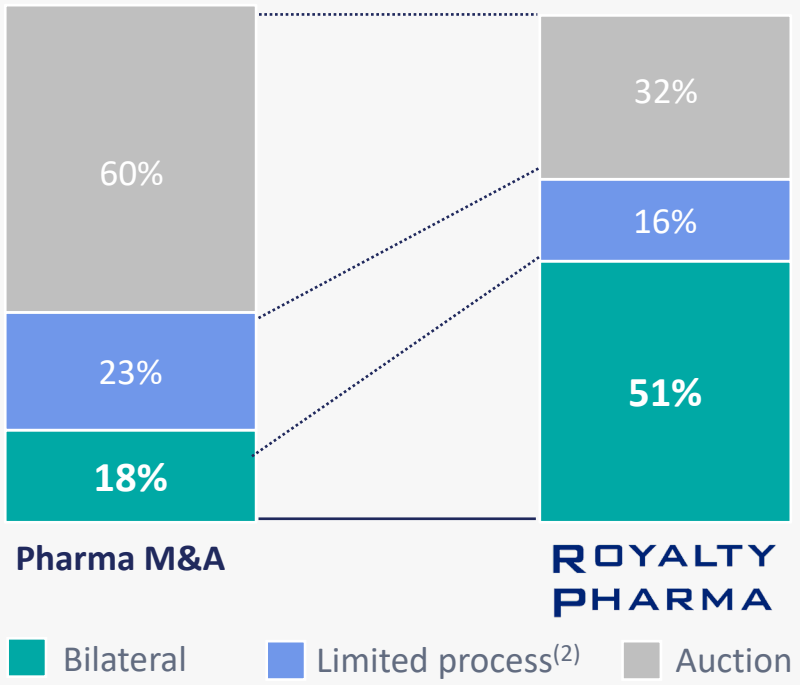
CoC: cash on cash

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 includes upfront payments. Biohaven CoC return includes expected receipt of $475 million zavegepant milestone in the first half of 2023.

1. Capital raised since January 1, 2013. 2. Capital raised since Biohaven's May 2017 IPO. Only includes upfront payment from Pfizer partnership. 3. Capital raised since Cytokinetics expanded license agreement with Amgen, June 12, 2013. 4. Capital raised since BioCryst's December 2012 corporate restructuring to focus strategy on advancing hereditary angioedema program.

Proprietary sourcing provides competitive advantage

Source of deals[1]



- **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

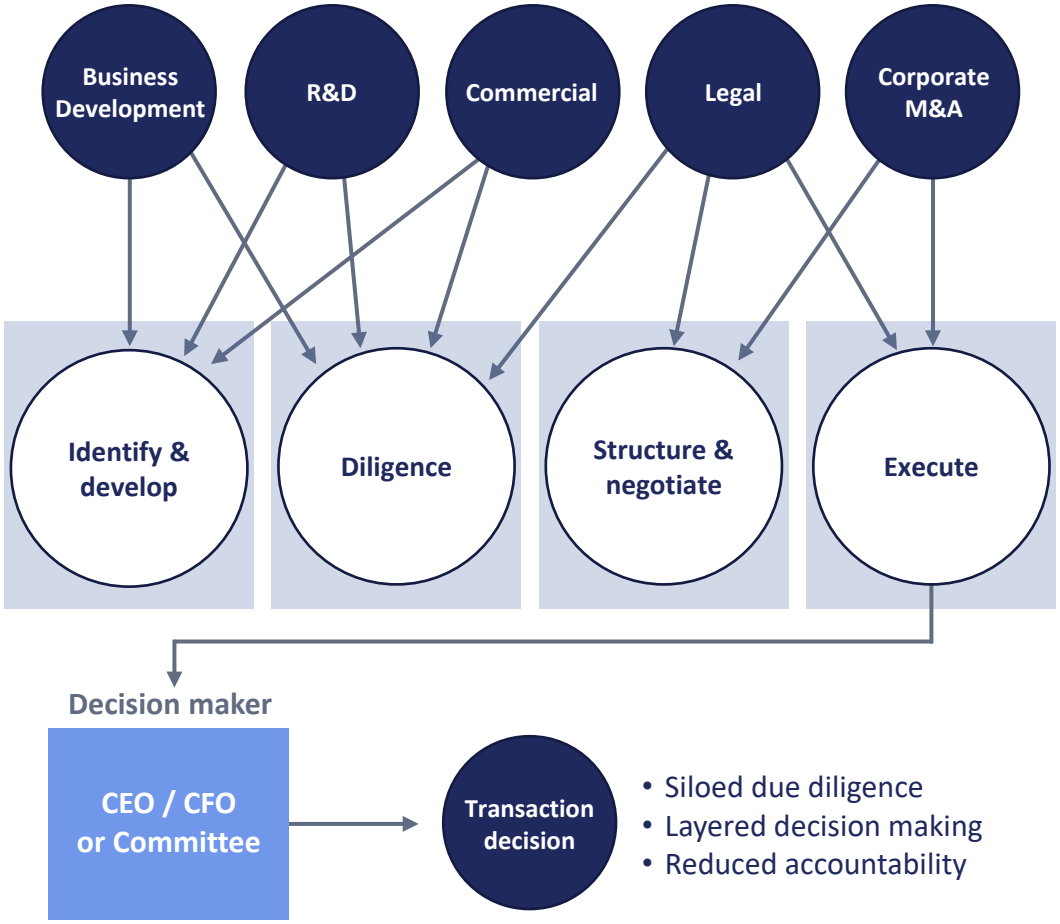
Unique platform for clinical trial analysis and market evaluation

Our framework focuses on key product success factors

- Strong scientific rationale
- Significant impact on patients and/or caregivers
- Conviction in probability of clinical and regulatory success for pre-approval programs
- Mission and execution-oriented management team
- Strong marketer and global commercial opportunity
- Clear commercial positioning
- Potential for multiple indications or label expansion
- First-in-class or best-in-class
- Long duration of patent protection or exclusivity
- Compelling value proposition for government and commercial payors

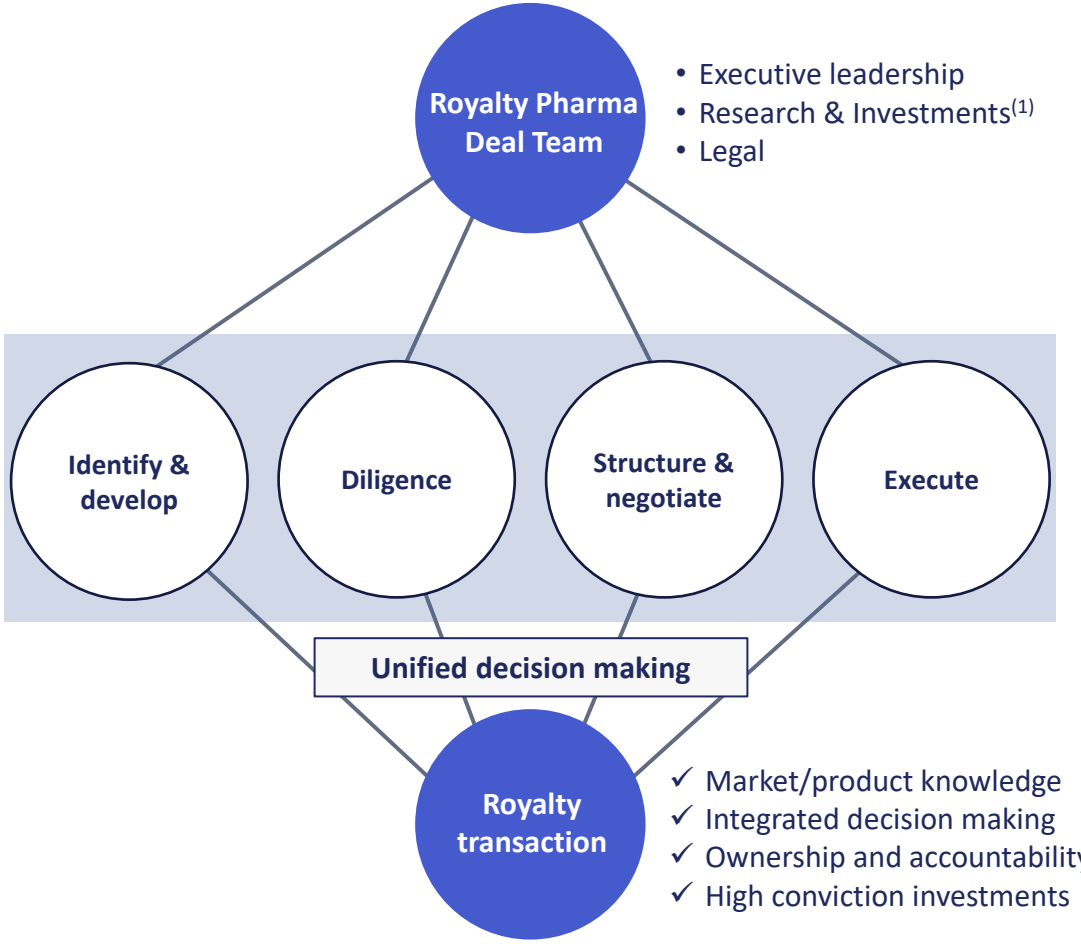
One Royalty Pharma team at the center of every transaction

Traditional business development



- Siloed due diligence
- Layered decision making
- Reduced accountability

Royalty Pharma process



- Executive leadership
- Research & Investments[1]
- Legal

- ✓ Market/product knowledge
- ✓ Integrated decision making
- ✓ Ownership and accountability
- ✓ High conviction investments

1. Includes Research & Investments, Investments & Capital Strategies and Strategy & Analytics.

Extensive due diligence process sharpened over decades

Clinical

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

Non-clinical
- Pharmacokinetics
- Pharmacodynamics
- Dose modeling

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

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

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

Patients & Caregivers
- Efficacy, tolerability, convenience perspectives
- Social media

Regulatory, IP, Manufacturing

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

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

Drug delivery
- Auto-injectors and devices
- Design and human factors
- Formulation technologies

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

Commercial

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

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

US pricing
- Pricing modeling
- Gross-to-net modeling

Payors
- Payor/PBM executives
- Formulary analyses

Competition
- Landscape analysis
- Product profile and cost comparisons

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

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

Contracts, Governance

Transactional
- Accounting treatment
- Tax implications

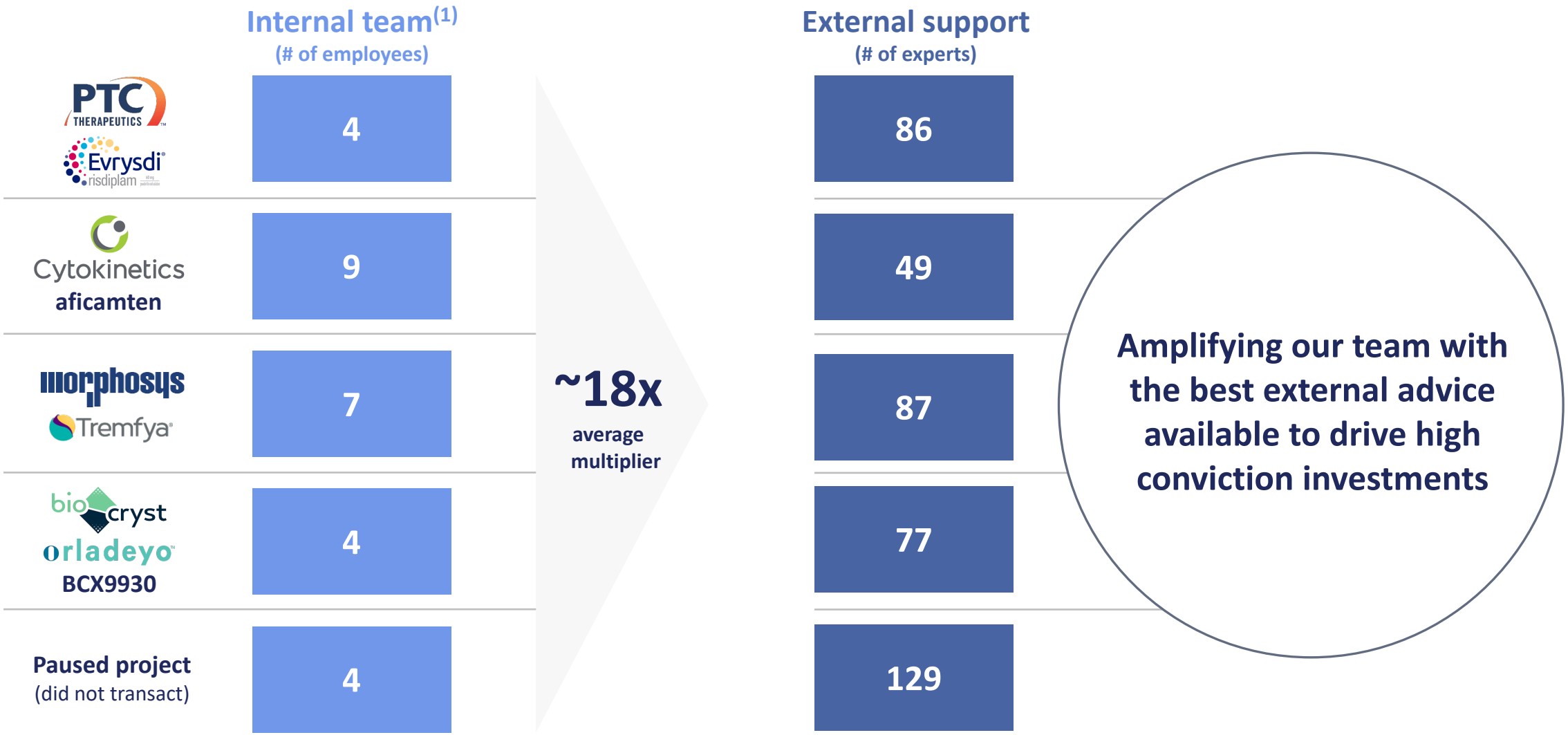
Licensing and contracts
- Analysis of contract language
- Risk assessment
- Expert structuring and drafting

Management & governance
- Experience and strategy
- Compensation alignment

Environmental, Social & Governance
- Board oversight
- ESG-informed investment processes

US: United States; EU: European Union; KOL: key opinion leader; FDA: Food & Drug Administration; EMA: European Medicines Agency; PBM: pharmacy benefit managers; MSL: medical science liaison; PMDA: Pharmaceuticals and Medical Devices Agency; ESG: environmental, social and governance; IP: intellectual property

Leveraging the best internal and external expertise available



1. Internal team represents Senior Vice Presidents (SVPs) and below in Research & Investments, Legal, Strategy & Analytics and other departments.

Our ambitious vision for Strategy & Analytics

Strategic search and evaluation

Development landscape scanning | **Therapeutic area mapping** | **Monitoring emerging science** | **Clinical trial meta-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

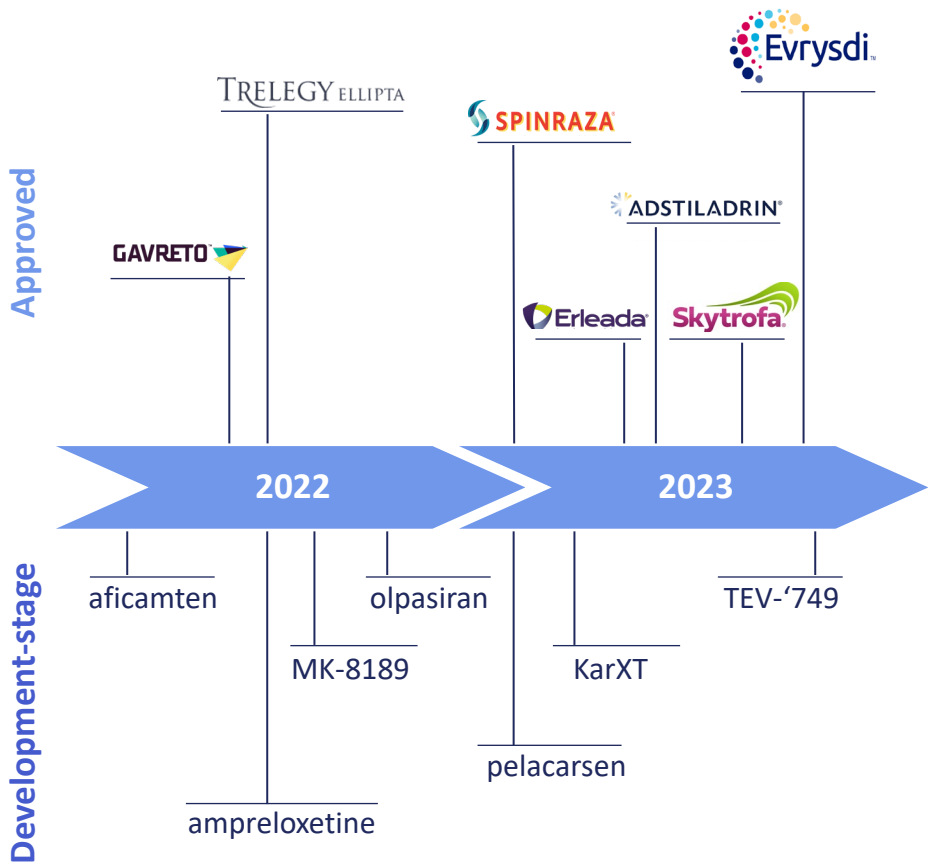
Medical claims analysis | **Real world evidence** | **Sales & marketing benchmarking** | **Payor & formulary landscape**

- 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

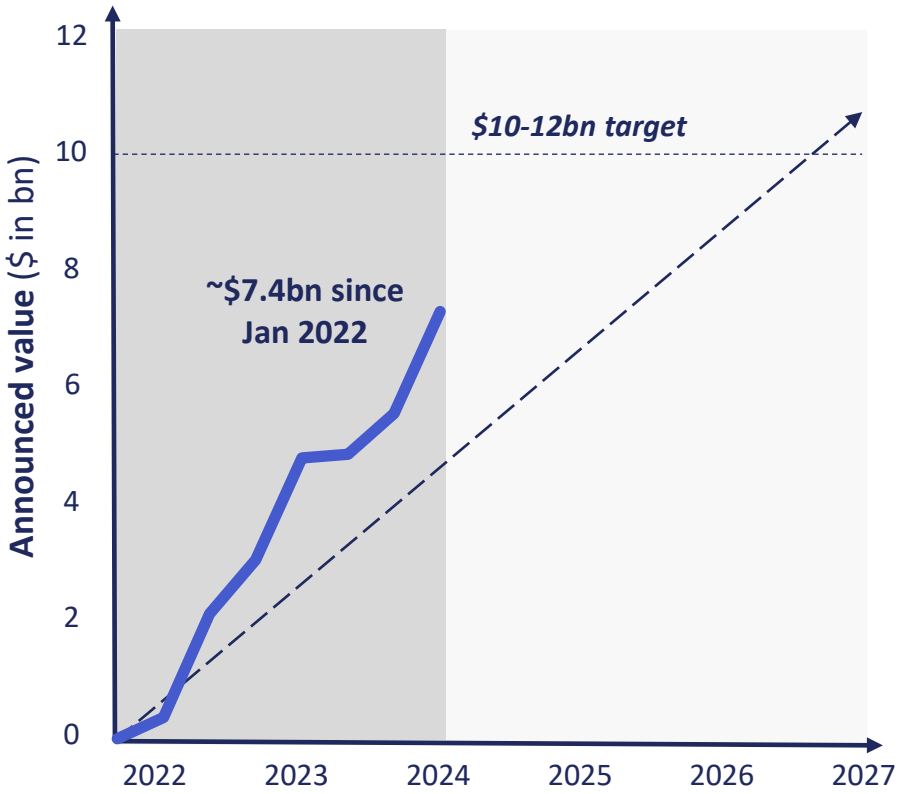
On track to meet or exceed 5-year capital deployment target

Transactions announced in 2022 and 2023



5-year capital deployment target[1,2]

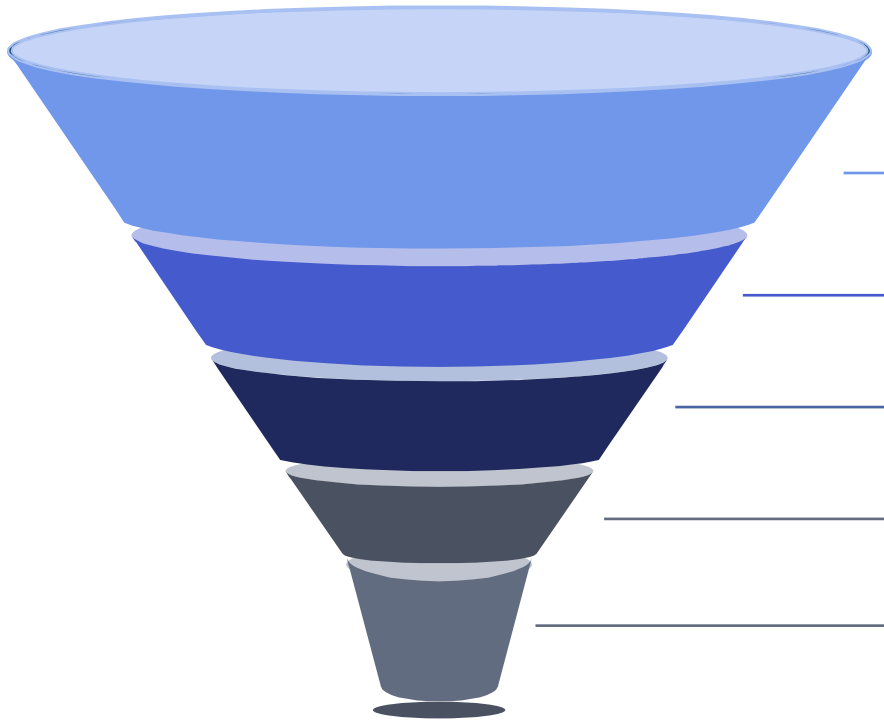
(Announced value, since January 1, 2022)



1. See slide 60 for factors that may impact our capital deployment target.
2. Capital deployment target provided at May 17, 2022 Investor Day.

Announced $4.0 billion of transactions in 2023

2023 Royalty Pharma investment activity



- >400 initial reviews
- 126 CDAs signed
- 93 in-depth reviews
- 47 proposals submitted
- Executed 7 transactions for $4.0bn[(1)]

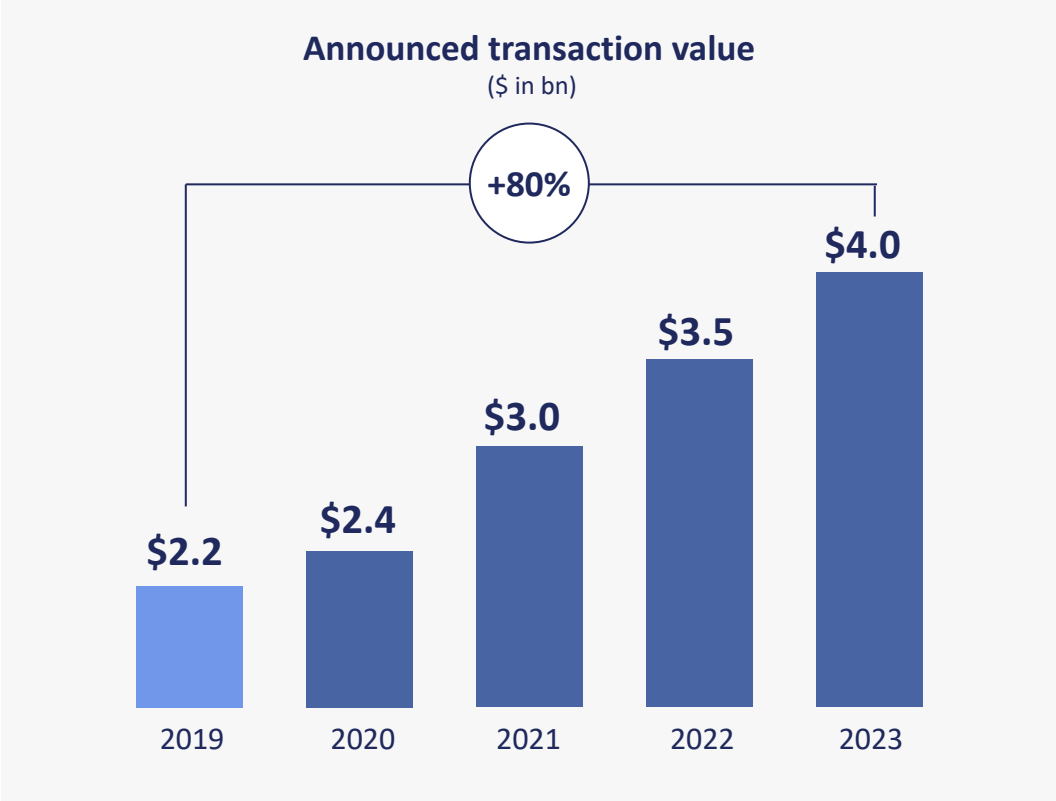
Maintained strong financial discipline: ~2% of initial reviews resulted in an acquired royalty

1. Data reflects total announced transaction value in 2023 ($2.2 billion of total is upfront).

Strong Royalty Pharma pipeline trends given market backdrop

Opportunity set increasing

Robust royalty acquisition activity



Acquired approved and development-stage royalties

Approved products (2)

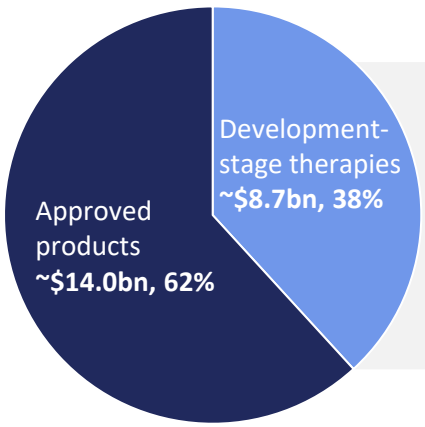
- Predictable and de-risked cash flows
- Growth from increased penetration
- Additional upside from new indications / geographies

Development-stage therapies

- Broad landscape of opportunities
- Require strong proof-of-concept data
- Significant upside potential

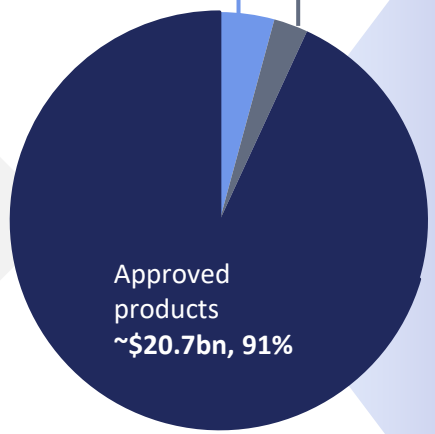
Status at acquisition(1)

Total - ~$22.7bn



~$6.6bn or 77% of Development-stage therapy acquisitions are now approved

Current status(1)



Approved since acquisition

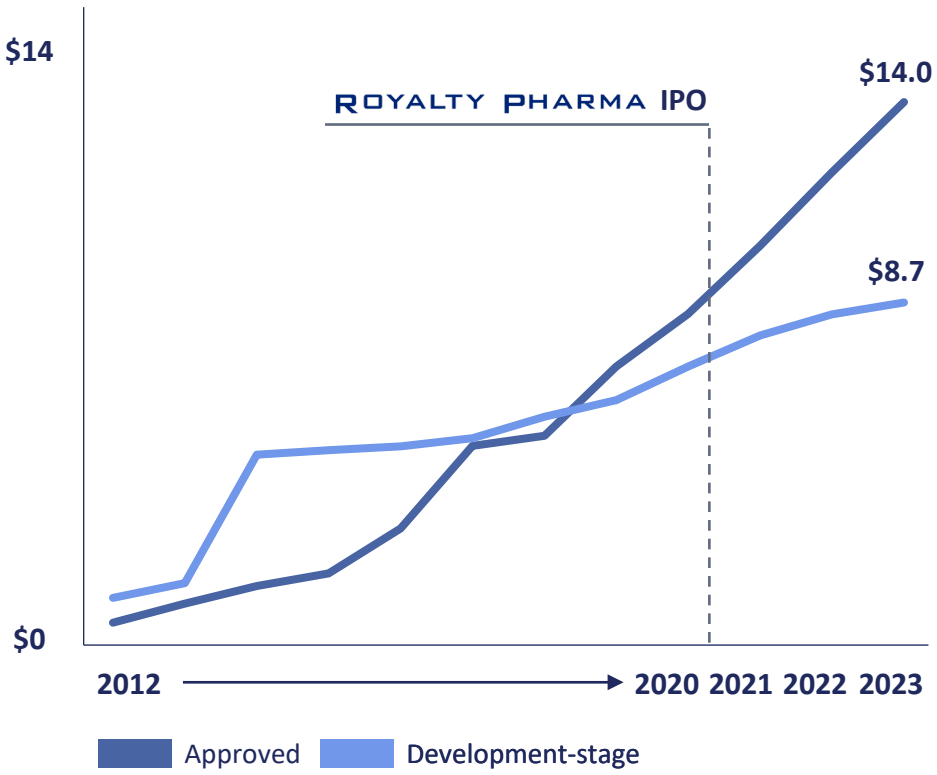
Bosulif
Evrysdi risdiplam
imbruvica
Nurtec ODT
TAZVERIK
Tecfidera
trikafta
TRODELVY
AIRSUPRA

1. Reflects cash deployed for royalty acquisitions from 2012 through Q4 2023.
2. Not approved includes investments in omecamtiv, gantenerumab, otilimab, BCX9930, vosaroxin, palbociclib and Merck KgaA's anti-IL17 nanobody M1095.

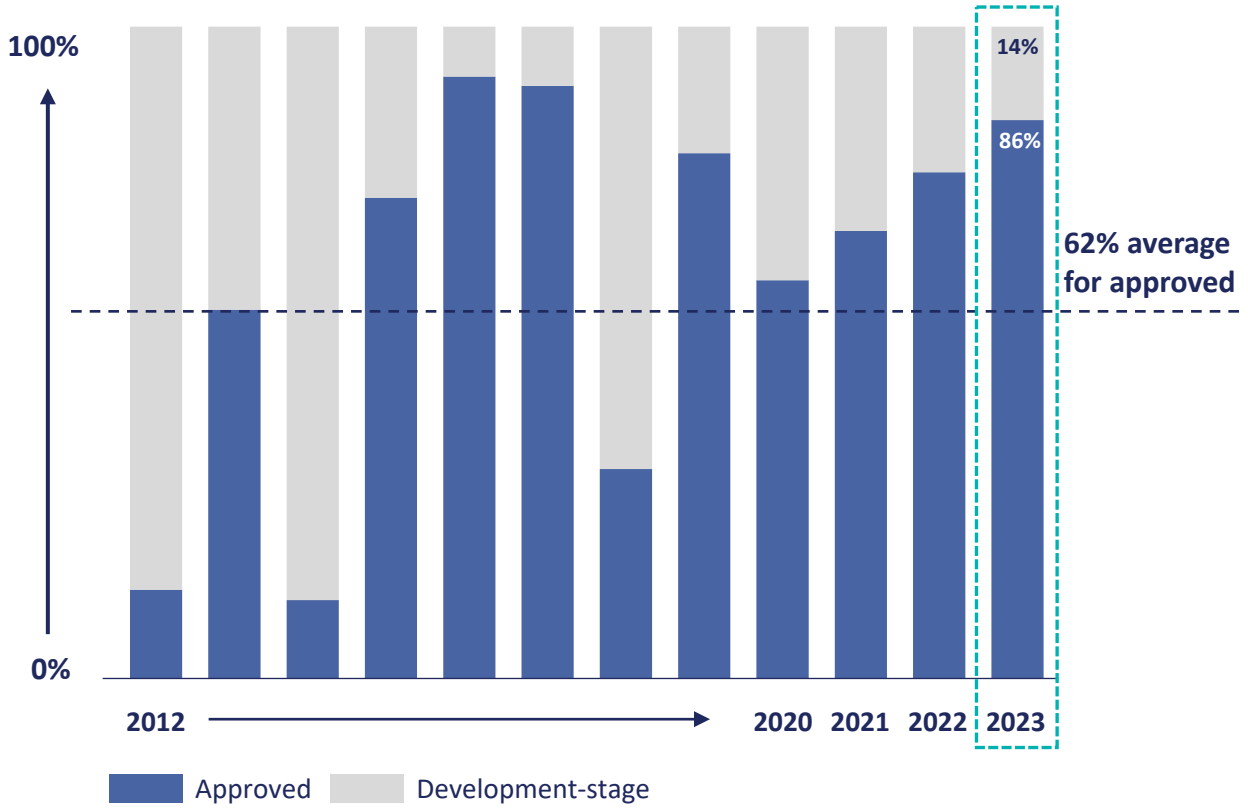
Healthy mix of approved and development-stage therapies

~$22.7 billion in cumulative capital deployed

($ in billions)



Annual capital deployment



Capital deployed balanced on average across approved and development-stage therapies with some annual variability

Capital allocation strategy to drive shareholder value creation

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

Royalty acquisitions

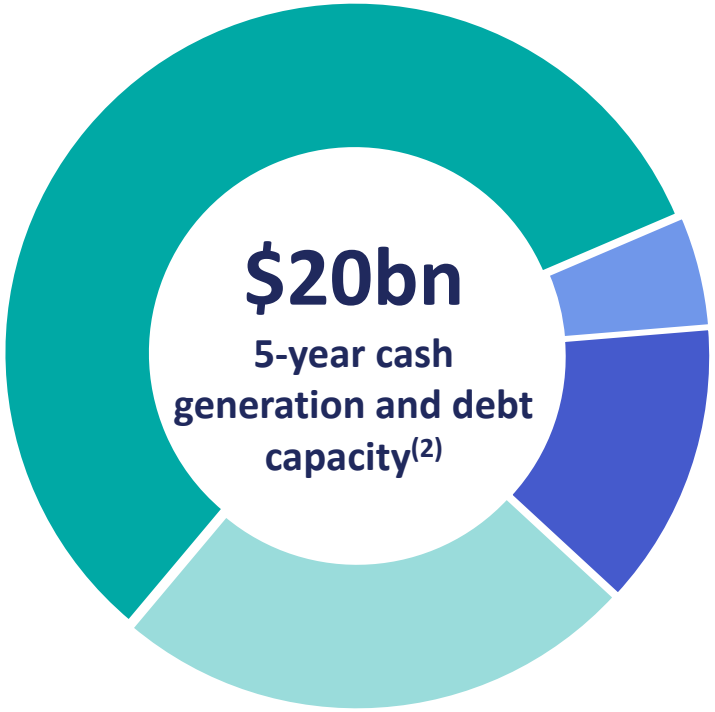
$10-$12bn 5-year target(1)

- Announced ~$7.4bn since 2022 (~$4.2bn deployed upfront)
- 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 through November 7, 2023
- Authorization valid through June 2027

Dividends

~3% annual yield

- Current dividend of $0.20/quarter
- Commitment to the dividend

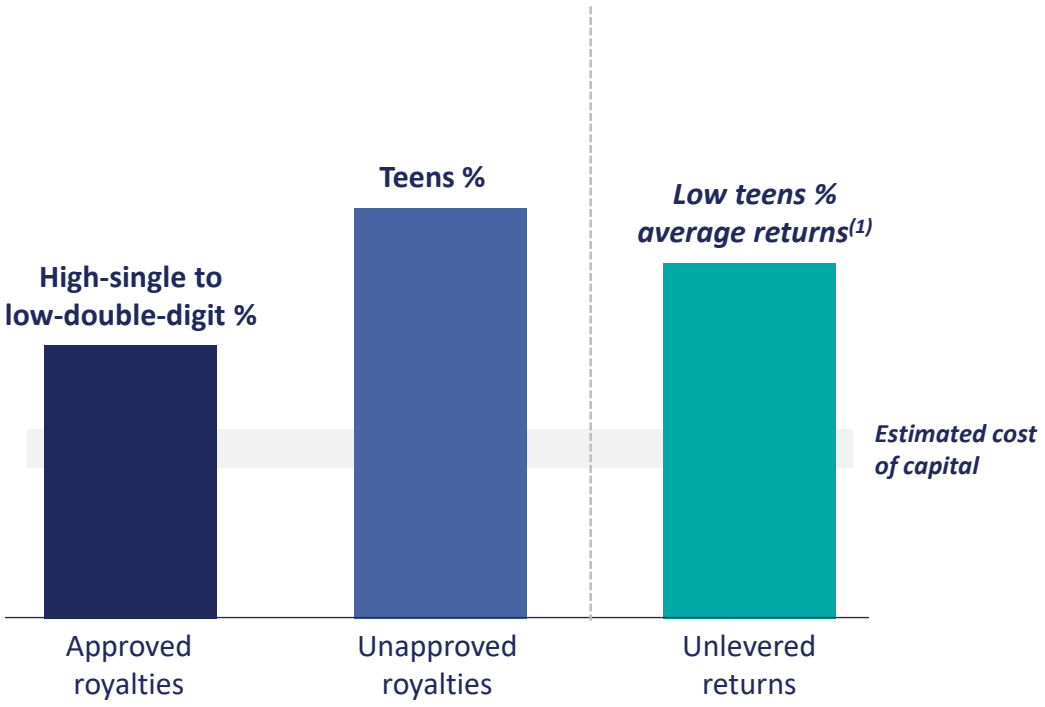
Capital allocation balances primary focus of acquiring royalties with returning capital to shareholders

AGM: Annual General Meeting

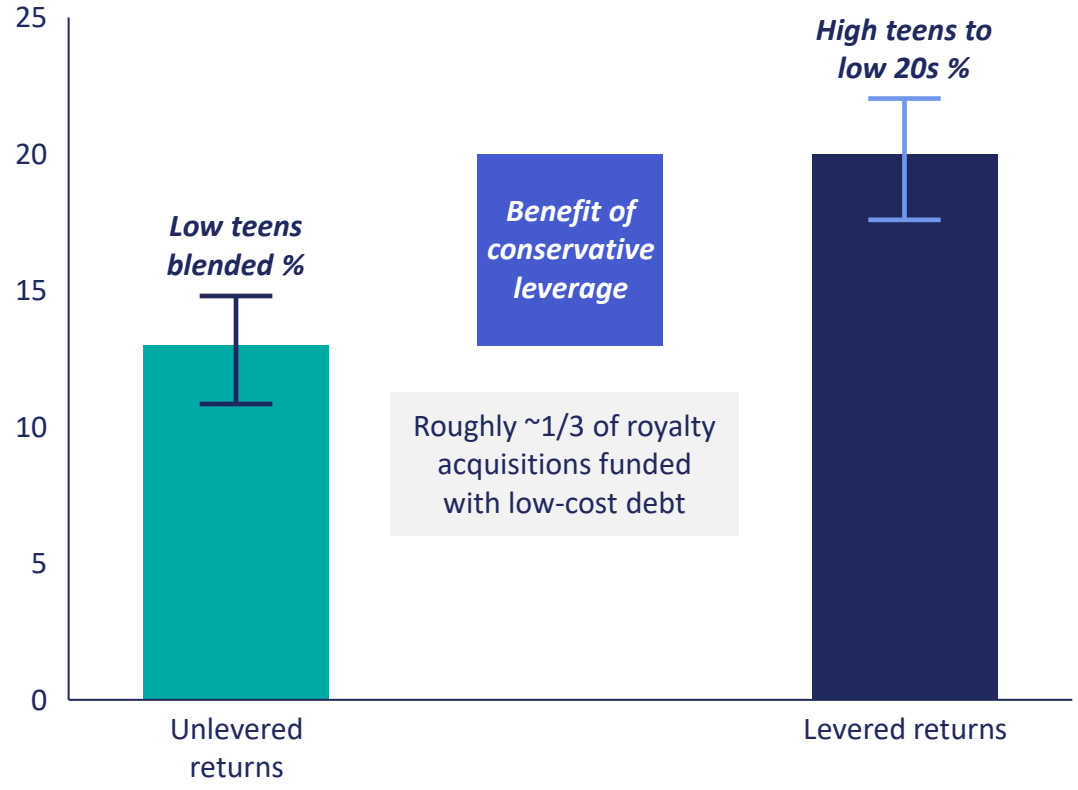
1. 5-year capital deployment target provided at May 2022 Investor Day.
2. Cumulative 5-year capacity includes cash generated from operations, future acquisitions and debt capacity. Figure provided at May 2022 Investor Day.

Consistently attractive returns amplified by conservative leverage

Royalty Pharma target returns



Leverage benefit to target returns

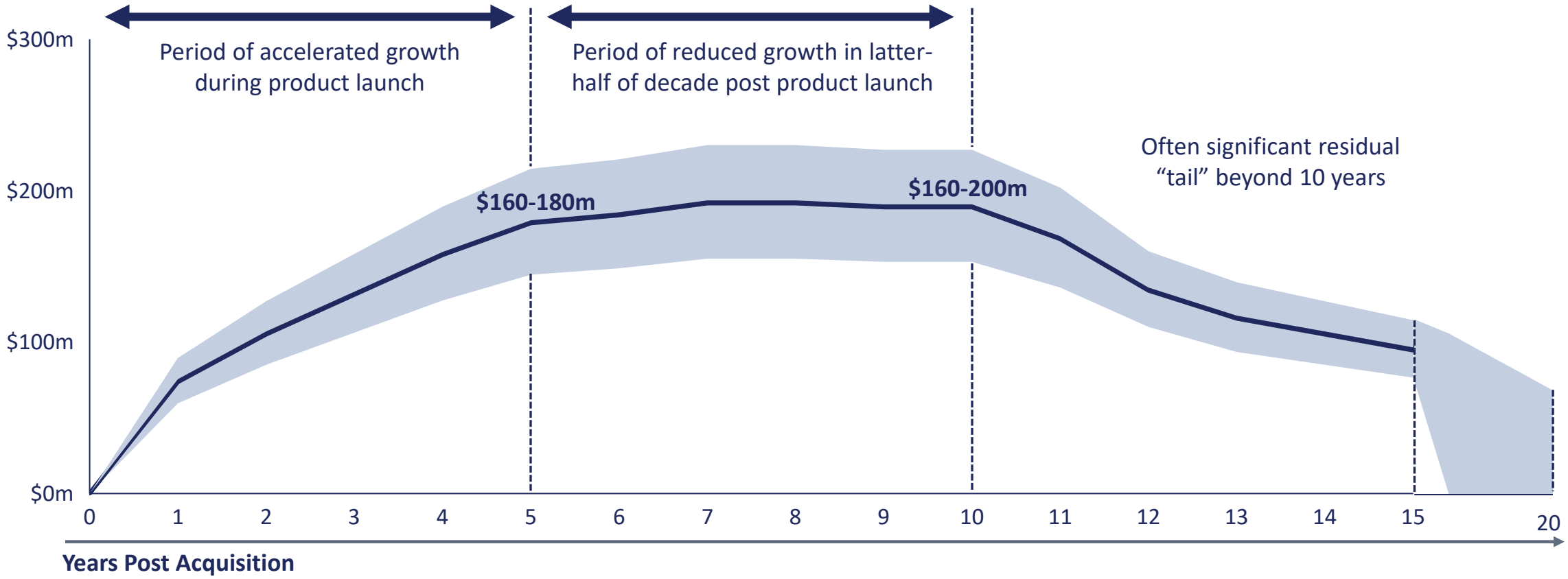


Expect to consistently deliver attractive returns above cost of capital regardless of interest rate environment

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)



1. See slide 60 for definitions and factors that may impact the achievement of our growth outlook.
2. Representative cash receipts based on blended average of actual and projected returns for approved and development-stage transactions over the last five years under a range of scenarios.

CF to remain important contributor regardless of triple scenario

See Appendix slide 54 for details

Scenarios	Components	Triple combination blended royalty[1]	2030 franchise sales	2030 PR from CF[3]	Duration[4]
Status quo trikafta	elexacaftor · ivacaftor · tezacaftor	~9%	~$11.5bn Vertex consensus[2]	~$900m from ~$750m in 2023	2037
RP position New CF Triple (deuterated ivacaftor **is** royalty bearing)	vanzacaftor · deuterated ivacaftor · tezacaftor	~8%	$13bn+ RP view with new CF triple **Upside drivers:** ~6,000 discontinued patients, geographic & age expansion, patient growth	~$900-950m +$0-$50m vs status quo	2039-2041
New CF Triple (deuterated ivacaftor **not** royalty bearing)	vanzacaftor · deuterated ivacaftor · tezacaftor	~4%		~$600-700m -$200-$300m vs status quo	

Royalty bearing components

Reflects 50-75% conversion from Trikafta to new CF triple

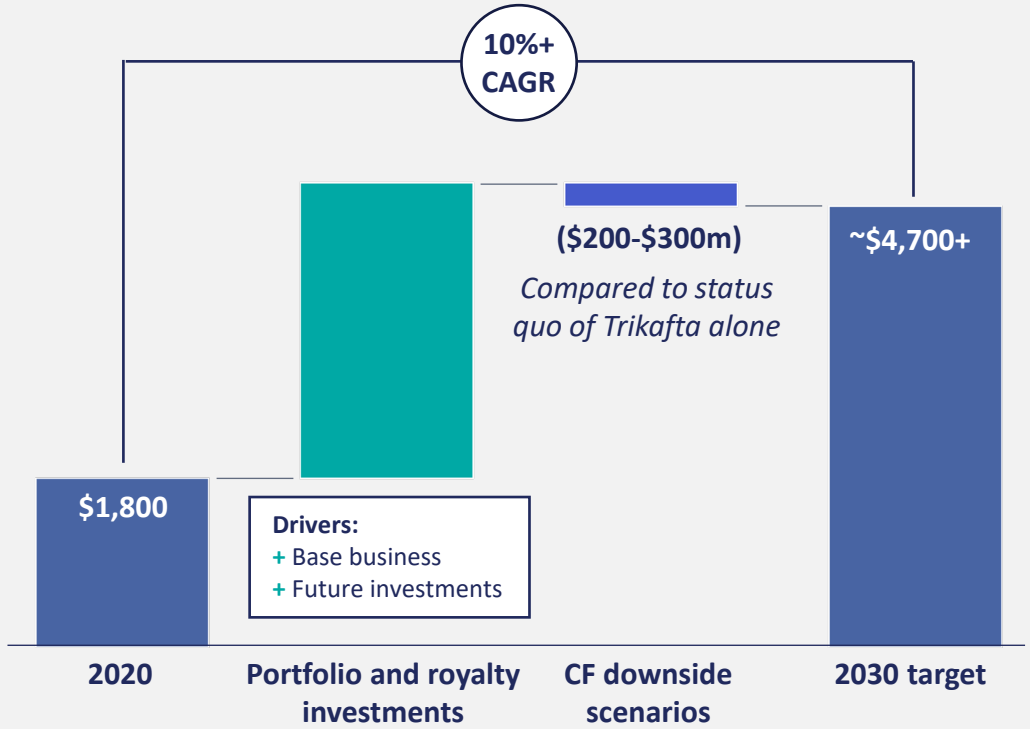
NPV impact of potential downside scenarios are estimated to be $1-$2 per share

RP: Royalty Pharma; CF: Cystic fibrosis; PR: Portfolio Receipts 1. Vanzacaftor royalty rates based on statements by Vertex 2. Vertex-collated consensus estimates derived from Visible Alpha. 3. PR figures shown are net of estimated distributions to legacy non-controlling interests (NCI). There are no NCI distributions related to the additional royalty interest that we acquired from the CF Foundation in 2020. CF PR in 2030 assumes distributions to NCI of ~(13%) for the status quo scenario, ~(13-14%) for the new CF triple with an ~8% blended royalty rate, and ~(15-17%) for the new CF triple with a ~4% blended royalty rate. For example, PR of ~$950m would equate to ~$1,100m of Royalty Receipts and PR of ~$600m would equate to ~$700m of Royalty Receipts. 4. Indicates date applicable product when generic competition is expected to enter the market. RP is entitled to royalties on CF products that arose out of the collaboration between Vertex and the Cystic Fibrosis Foundation. Royalties are not tied to patents.

Long-term growth powered by consistent portfolio refreshment

Portfolio Receipts evolution through 2030[1]

(2030 growth target provided at May 2022 Investor Day)



Continued execution on strategy

Power of business model

- Transactions since 2020 expected to add ~$1bn 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 ~30% of 2022 PR prior to Biohaven payments and expected to decline to teens % of 2030 PR

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

ROYALTY PHARMA

CF: Cystic Fibrosis; PR: Portfolio Receipts; "top-line" refers to Royalty Pharma's Portfolio Receipts.
1. Based on Portfolio Receipts growth outlook of 10% or more from 2020 through 2030 provided at May 2022 Investor Day. See slide 60 for factors that may impact our outlook.

Well positioned in evolving interest rate environment

Existing capital structure

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 $1.5bn

Interest rates

Future investments

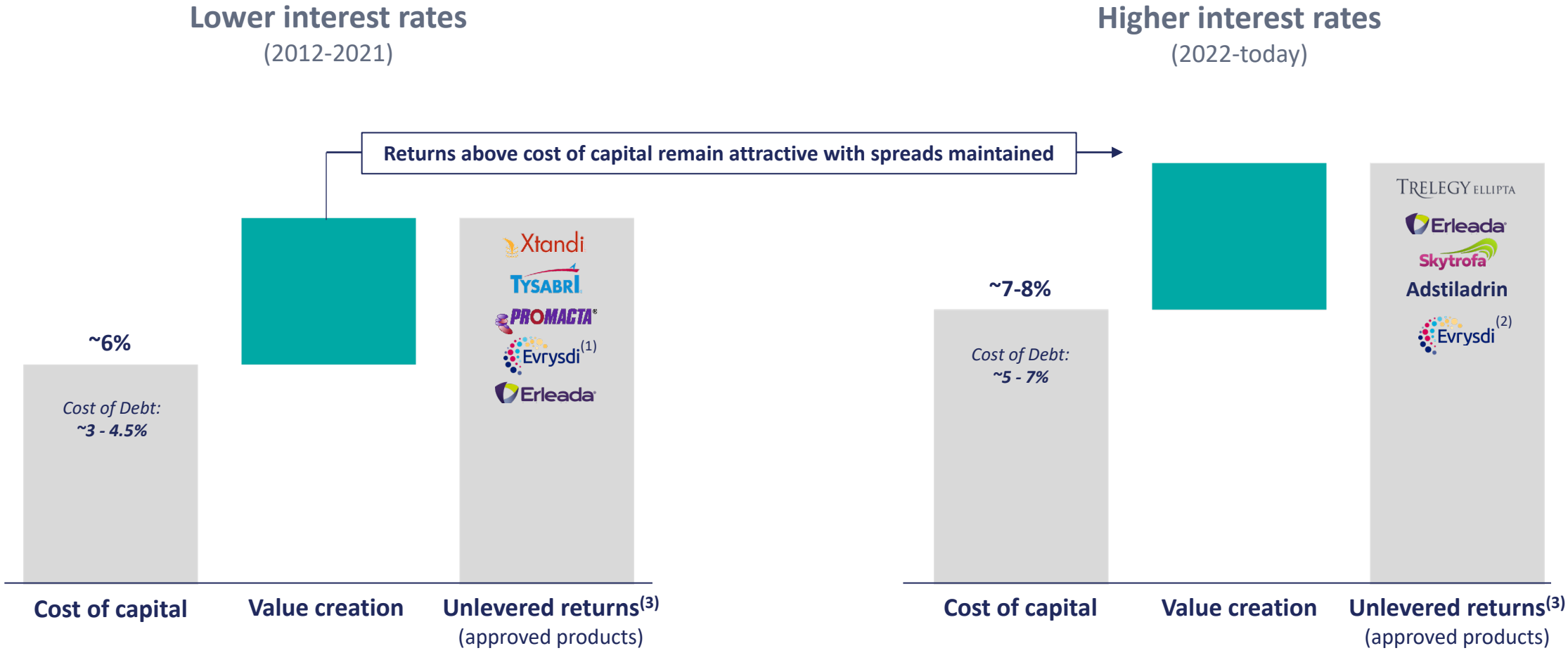
Higher risk-adjusted returns

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

Expanding opportunity set

- 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.
2. Transaction purchasing 67% of PTC's remaining Evrysdi royalty announced October 2023.
3. Illustrative returns reflect a combination of actual results and estimated projected returns for investments from 2012 – 2023 YTD. 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

ROYALTY PHARMA

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

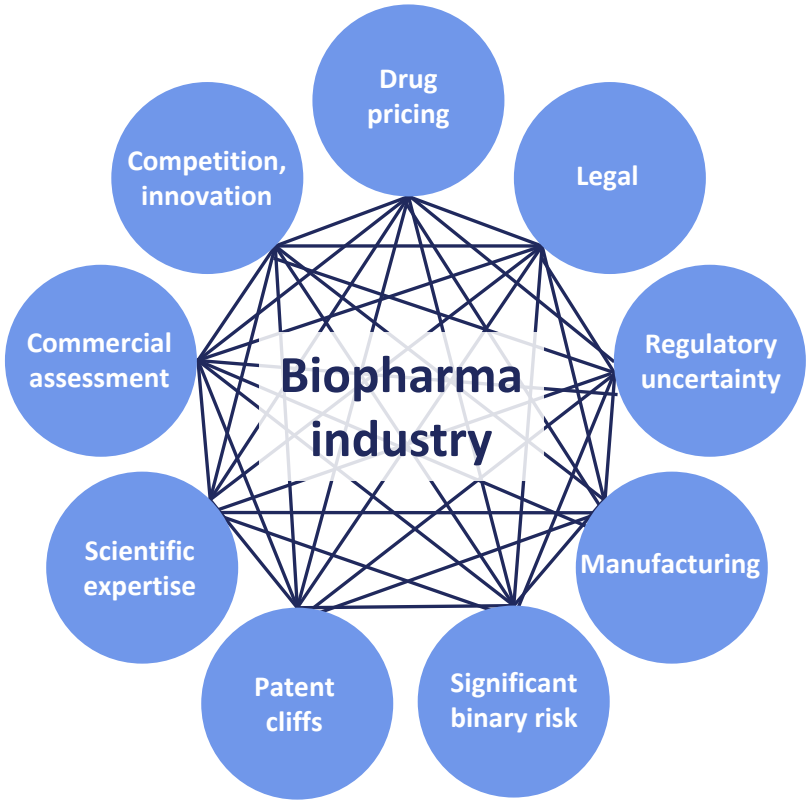
		ROYALTY PHARMA	Large biopharma[1]
Growth	2020-2030 top-line[2] CAGR	10% or more[2]	5%[3]
Scale	Number of blockbusters[4]	15	9
Cost of capital	Estimated WACC	~7-8%	~7-8%
Risk	Stage of development	Post proof-of-concept to approved	Pre-clinical to approved
Return	Historical return on investments[5]	Consistent low teens IRR	?
Income	Dividend yield	~3%	~3.5%
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 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 60 for definitions.
3. Source: Visible Alpha.
4. Calculated based on 2022 end market sales and excludes products tied to recently expired royalties.
5. Historical return on investments for Royalty Pharma is from 2012 to Q3 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 2022 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 top-line 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

Scenarios	Product	Blended royalty[1]	Sales split	Franchise sales	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 (deuterated ivacaftor is royalty bearing)	Trikafta	~9%	50%				
	New CF Triple	~8%	**50%**	**$13bn+**	~$1,100m	(13%)	**~$950m**
	Total blended	**~9%**	100%				
	Trikafta	~9%	25%				
	New CF Triple	~8%	**75%**	**$13bn+**	~$1,050m	(14%)	**~$900m**
	Total blended	**~8%**	100%				
New CF Triple (deuterated ivacaftor not royalty bearing)	Trikafta	~9%	50%				
	New CF Triple	~4%	**50%**	**$13bn+**	~$850m	(15%)	**~$700m**
	Total blended	**~7%**	100%				
	Trikafta	~9%	25%				
	New CF Triple	~4%	**75%**	**$13bn+**	~$700m	(17%)	**~$600m**
	Total blended	**~5%**	100%				

Reflects 50-75% conversion from Trikafta to new triple

Calculations may not tie due to rounding

RP: Royalty Pharma; CF: Cystic fibrosis; PR: Portfolio Receipts; NCI: Non-Controlling Interests 1. Vanzacaftor royalty rates based on statements by Vertex 2. Vertex-collated consensus derived from Visible Alpha. 3. For the CF royalty, NCI equates to (17.6%) of royalty receipts on annual royalty bearing sales up to $5.8bn and (8.8%) of the annual royalty bearing sales above $5.8bn. For products with multiple components, royalty bearing sales are allocated equally to each of the active pharmaceutical ingredients. 4. PR figures shown are net of estimated distributions to legacy non-controlling interests (NCI). Cash royalty receipts are received on a one-quarter lag, so 2030 PR reflects Q4 2029 – Q3 2030 reported sales.

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

1. Biohaven press release, June 18, 2018. 2. Biohaven press release, March 18, 2019. 3. Biohaven press release, August 7, 2020.

Nurtec ODT – one of the strongest recent launches in biopharma

March 2018 — Positive pivotal Nurtec ODT efficacy studies[1]

December 2018 — Positive Nurtec ODT long-term safety study[2]

February 2020 — FDA approval of Nurtec ODT for acute migraine[3]

March 2020 — Positive Phase 3 Nurtec ODT migraine prevention study[4]

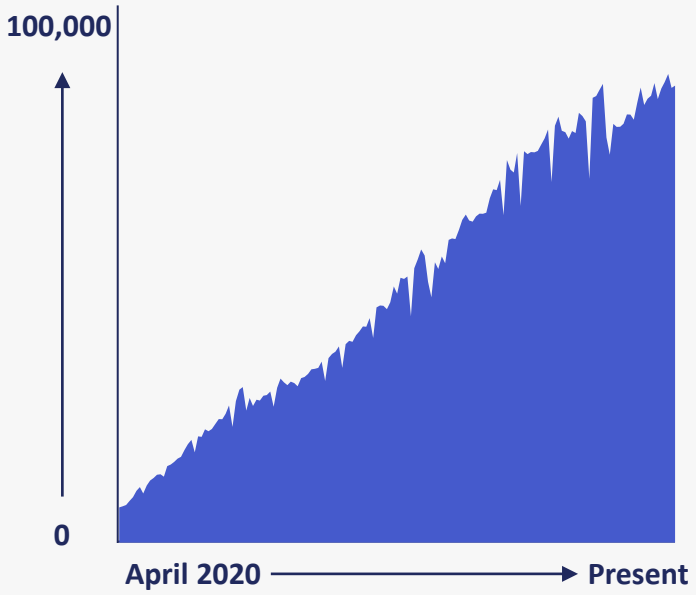
May 2021 — FDA approval of Nurtec ODT for migraine prevention[5]

November 2021 — Biohaven Ex-U.S. collaboration with Pfizer[6]

May 2022 — Pfizer to acquire Biohaven[7]

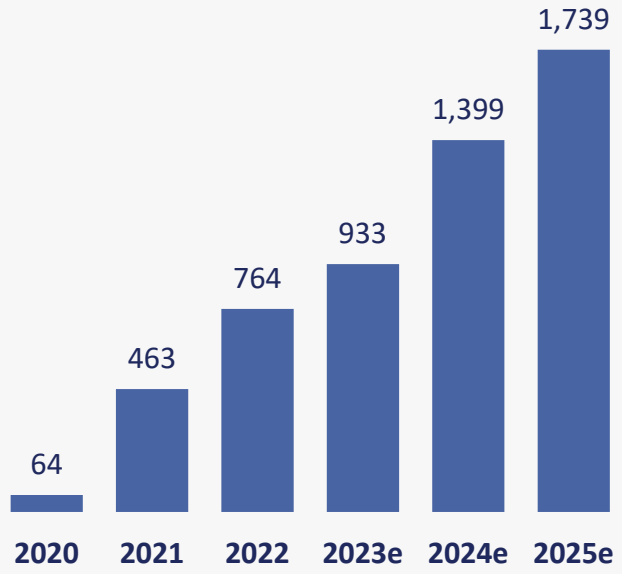
Encouraging oral CGRP[8] volumes

Total prescriptions (TRx)[9]



Successful Nurtec ODT launch in US[10]

Nurtec ODT global net revenue ($ in millions)



Pfizer expects significant peak sales[7]

>$6bn

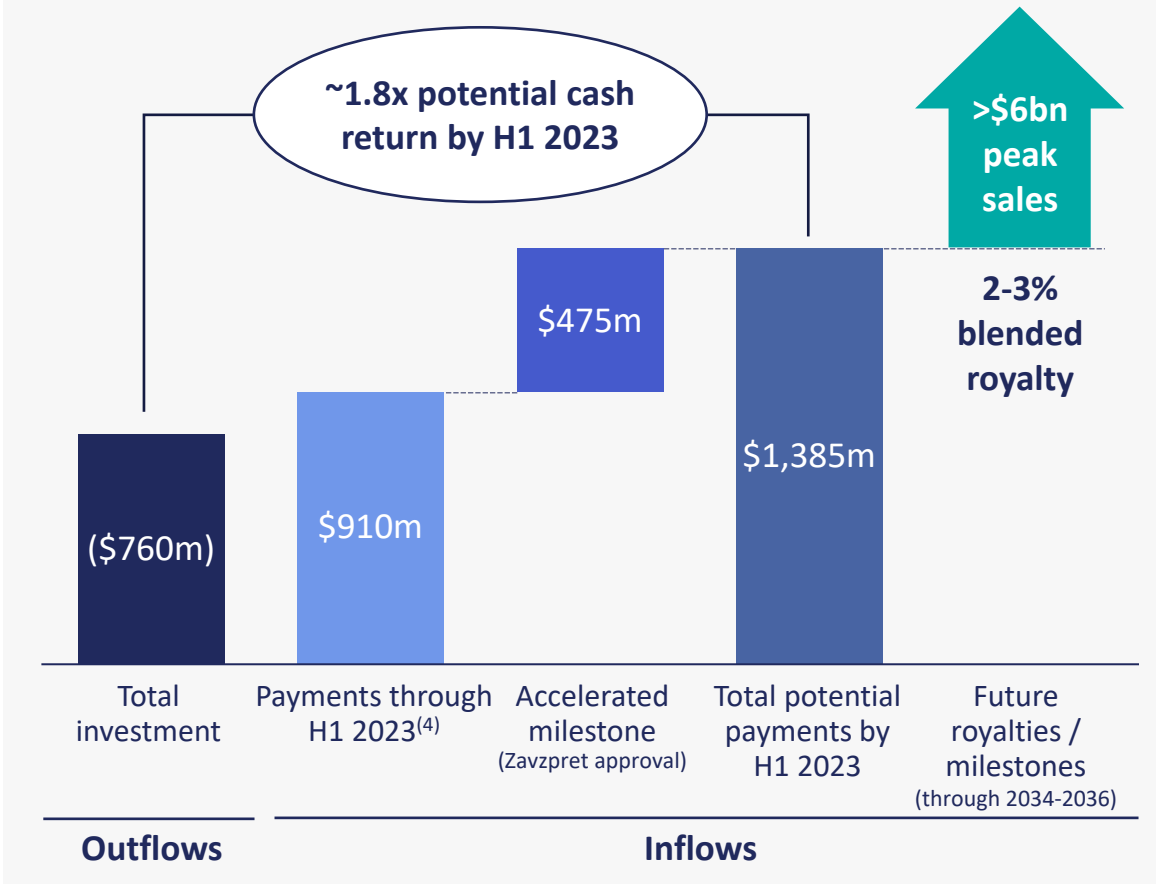
CGRP: calcitonin gene-related peptide

1. Biohaven press release, March 26, 2018. 2. Biohaven press release, December 10, 2018. 3. Biohaven press release, February 27, 2020. 4. Biohaven press release, March 30, 2020. 5. Biohaven press release, May 27, 2021. 6. Biohaven press release, November 9, 2021. 7. Pfizer press release and presentation, May 10, 2022. 8. Oral CGRPs include Ubrelvy, Quilipta and Nurtec ODT. 9. IQVIA SMART: TRx volume to May 2023. 10. Visible Alpha consensus as of November 2023.

Biohaven acquisition accelerates Royalty Pharma returns

- Pfizer, a strong global marketer, is positioned to maximize the potential of Nurtec ODT and zavegepant
  - Doubling number of sales representatives detailing Nurtec
- Acquisition[2] 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
- Entitled to milestones of up to 1.9 to 2.95x funded amount of $250m related to zavegepant[3]
  - Pre-payment option may accelerate returns

Strong returns for Royalty Pharma shareholders[1]

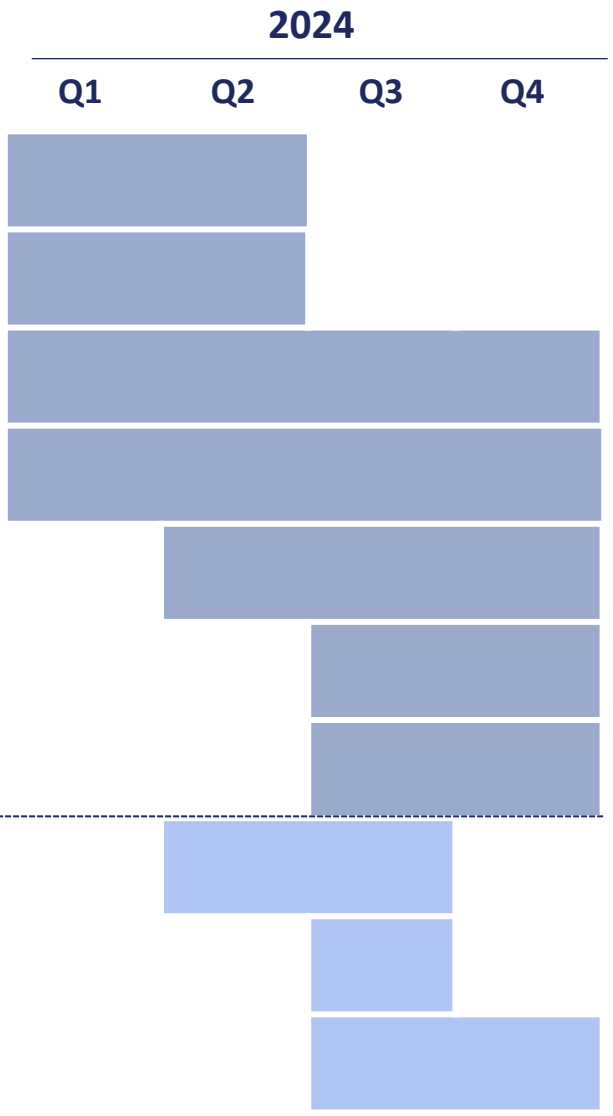


Potential ~1.8x cash return by H1 2023 with further upside from continuing royalties and additional milestones

1. Royalty Pharma Form 8-K, May 11, 2022. 2. Acquisition of Biohaven by Pfizer closed in October 2022. 3. Royalty Pharma received a total success-based milestone payment of $475m, or 1.9x the funded amount, related to its first regulatory approval in migraine. Incremental payments of up to 1.05x the funded amount could be triggered by certain additional regulatory approvals. 4. Total inflows consist of common equity, preferred equity and estimated royalties received from Nurtec ODT through H1 2023 based on consensus estimates.

Important milestones expected in 2024

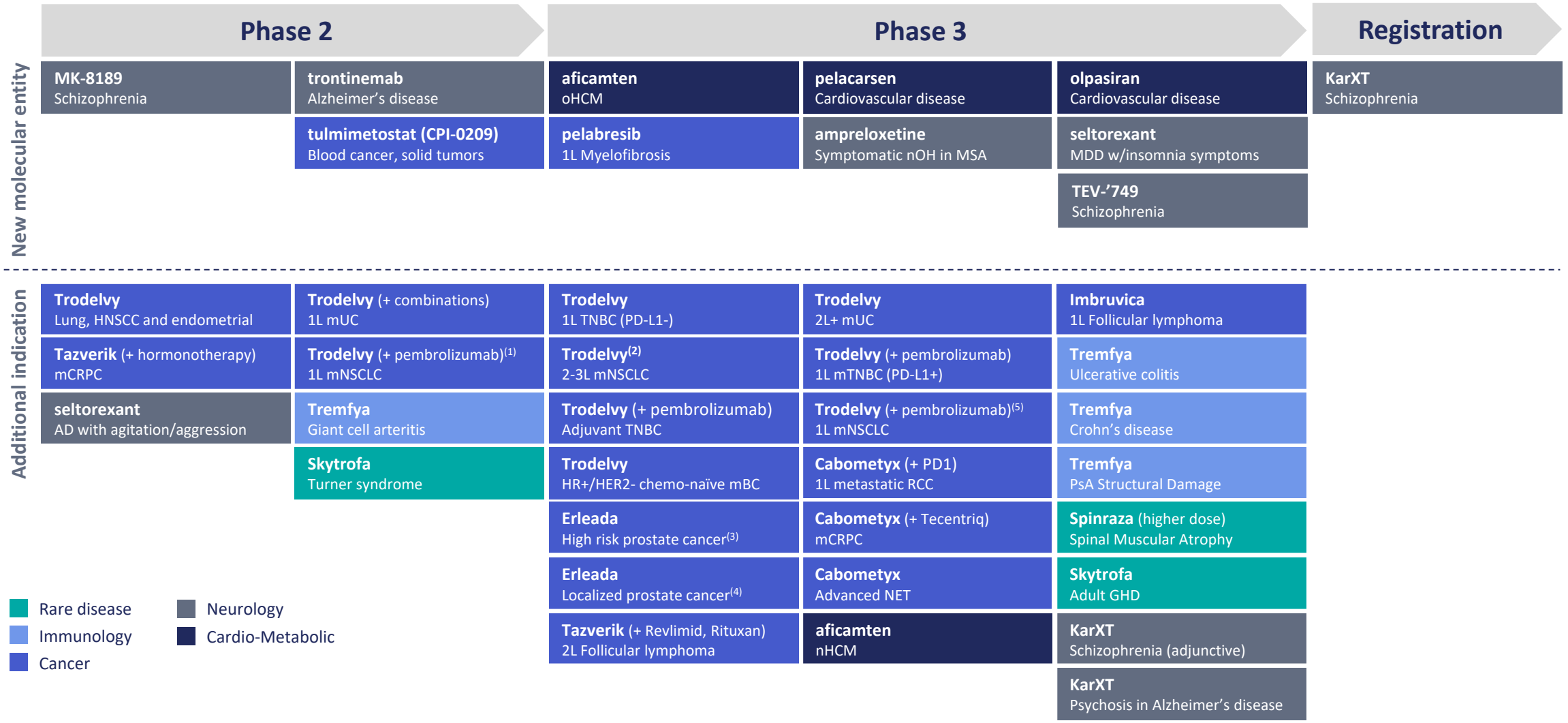
Select expected upcoming events



OS: overall survival; NDA: New Drug Application; FDA: Food & Drug Administration; EC: European Commission

1. Johnson & Johnson 2023 Enterprise Business Review conference call, December 5, 2023. 2. Jefferies London Healthcare Conference, November 15, 2023. 3. Exelixis Q3 conference call, November 1, 2023. 4. www.clinicaltrials.gov. 5. Karuna Q3 earnings press release, November 2, 2023. 6. Teva press release, November 13, 2023. 7. MorphoSys press release, November 20, 2023. 8. Karuna press release, November 29, 2023. 9. Cytokinetics topline results from SEQUOIA-HCM conference call, December 27, 2023.

Potential royalties on ~40 projects in late-stage development



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

1. EVOKE-02. 2. EVOKE-01. 3. High risk localized advanced prostate cancer prior to radical prostatectomy. 4. High risk localized advanced prostate cancer receiving primary radiation therapy. 5. EVOKE-03.

GAAP to non-GAAP reconciliation – Adjusted EBITDA[(1)]

$ in millions	FY 2022	FY 2021	FY 2020
Net cash provided by operating activities (GAAP)	**2,144**	**2,018**	**2,035**
Adjustments:			
Proceeds from available for sales debt securities	542	63	3
Distributions from equity method investees	-	1	15
Interest paid, net	145	127	95
Development-stage funding payments – ongoing	2	7	20
Development-stage funding payments – upfront and milestones	175	193	6
Termination payments on derivative instruments	-	16	35
Distributions to non-controlling interests – Portfolio Receipts	(442)	(480)	(544)
Derivative collateral received, net	-	-	(45)
Adjusted EBITDA (non-GAAP)[(1)]	**2,566**	**1,944**	**1,621**

Amounts may not add due to rounding.

1. Refer to slide 60 for definitions. Refer to Royalty Pharma's Current Reports on Form 8-K filed with the SEC on February 15, 2023 and February 15, 2022 for additional discussion.

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 proceeds from purchases and sales of 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 proceeds from available for sale debt securities 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, 2023 and February 15, 2022.

Long-term Outlook footnote

(4) 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.