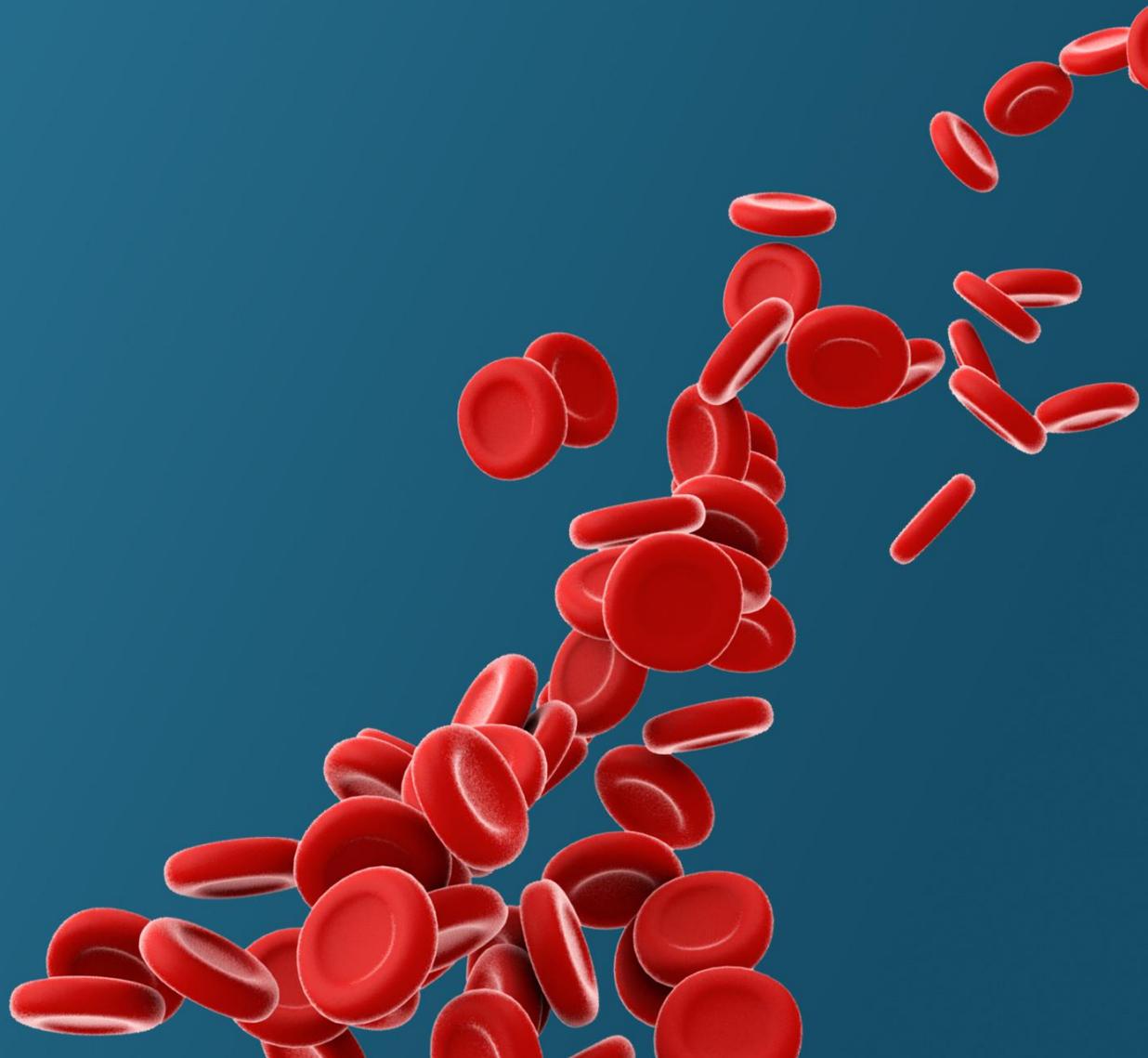




# Q1 2025 Financial Results and Business Update

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*May 1, 2025*



# Agios Conference Call Participants

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TOPIC	PARTICIPANT
Introduction	Chris Taylor, VP Investor Relations and Corporate Communications
Business Update	Brian Goff, Chief Executive Officer
R&D Update	Sarah Gheuens, M.D., Ph.D., Chief Medical Officer, Head of R&D
Commercial Update	Tsveta Milanova, Chief Commercial Officer
First Quarter 2025 Financial Results	Cecilia Jones, Chief Financial Officer
Q&A	Mr. Goff, Dr. Gheuens, Ms. Milanova, Ms. Jones

# Forward-Looking Statements

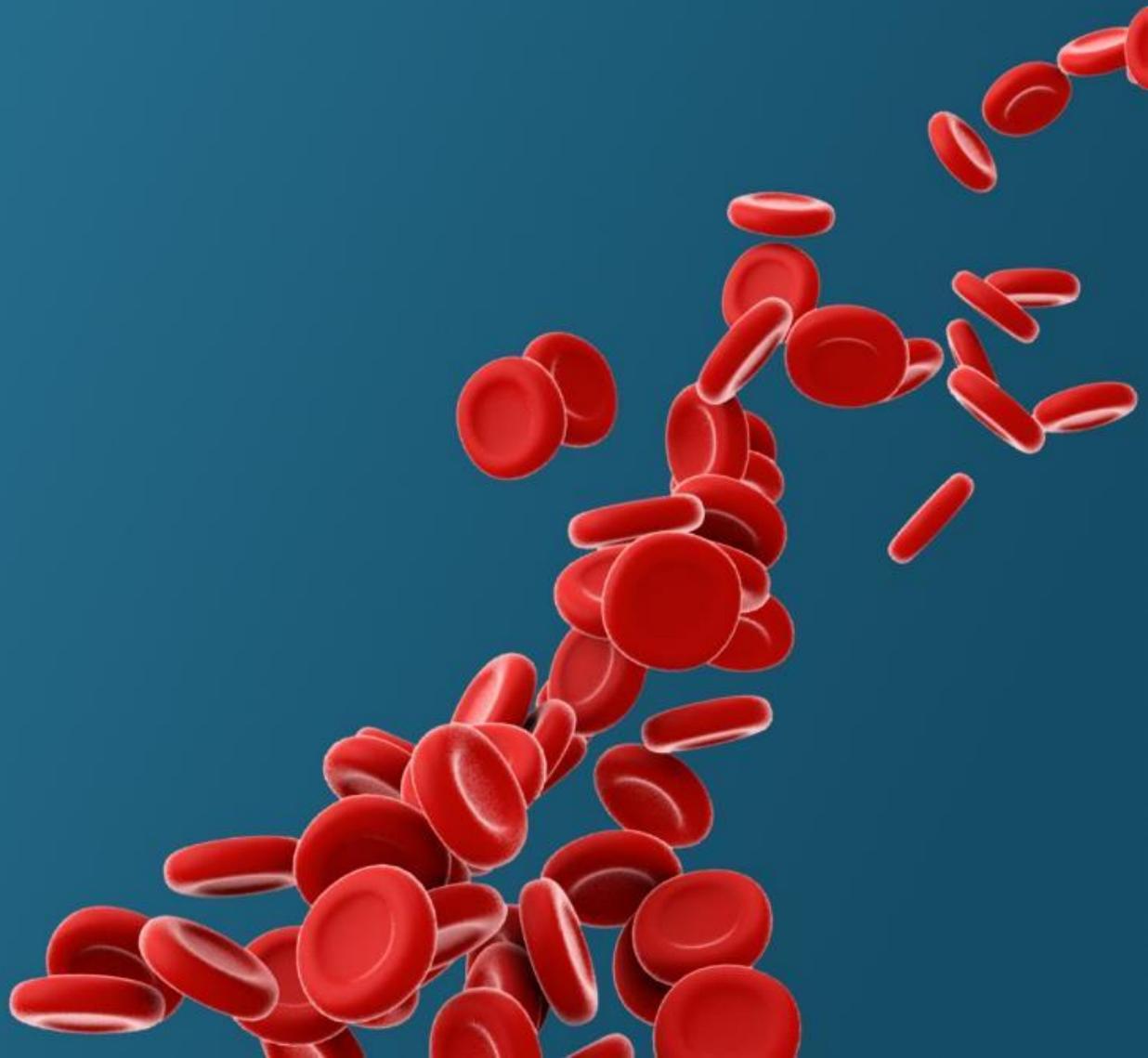
This presentation and various remarks we make during this presentation contain forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those regarding the potential benefits of PYRUKYND<sup>®</sup> (mitapivat), tebapivat, AG-236 and AG-181; Agios' plans, strategies and expectations for its preclinical, clinical and commercial advancement of its drug development, including PYRUKYND<sup>®</sup>, tebapivat, AG-181 and AG-236; the submission of PYRUKYND<sup>®</sup> to regulators for approval in alpha-and-beta thalassemia; Agios' strategic vision and goals, including its key milestones for 2025; and the potential benefits of Agios' strategic plans and focus. The words "anticipate", "expect", "goal", "hope", "milestone", "opportunity", "plan", "potential", "possible", "strategy", "will", "vision", and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Such statements are subject to numerous important factors, risks and uncertainties that may cause actual events or results to differ materially from Agios' current expectations and beliefs. For example, there can be no guarantee that any product candidate Agios is developing will successfully commence or complete necessary preclinical and clinical development phases, or that development of any of Agios' product candidates will successfully continue. There can be no guarantee that any positive developments in Agios' business will result in stock price appreciation. Management's expectations and, therefore, any forward-looking statements in this presentation and various remarks we make during this presentation could also be affected by risks and uncertainties relating to a number of other important factors, including, without limitation: risks and uncertainties related to the impact of pandemics or other public health emergencies to Agios' business, operations, strategy, goals and anticipated milestones, including its ongoing and planned research activities, ability to conduct ongoing and planned clinical trials, clinical supply of current or future drug candidates, commercial supply of current or future approved products, and launching, marketing and selling current or future approved products; Agios' results of clinical trials and preclinical studies, including subsequent analysis of existing data and new data received from ongoing and future studies; the content and timing of decisions made by the U.S. FDA, the EMA or other regulatory authorities, investigational review boards at clinical trial sites and publication review bodies; Agios' ability to obtain and maintain requisite regulatory approvals and to enroll patients in its planned clinical trials; unplanned cash requirements and expenditures; competitive factors; Agios' ability to obtain, maintain and enforce patent and other intellectual property protection for any product candidates it is developing; Agios' ability to establish and maintain key collaborations; uncertainty regarding any royalty payments related to the sale of its oncology business or any milestone or royalty payments related to its in-licensing of AG-236, and the uncertainty of the timing of any such payments; uncertainty of the results and effectiveness of the use of Agios' cash and cash equivalents; and general economic and market conditions. These and other risks are described in greater detail under the caption "Risk Factors" included in Agios' public filings with the Securities and Exchange Commission. Any forward-looking statements contained in this presentation and various remarks we make during this presentation speak only as of the date hereof, and Agios expressly disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.



# Business Overview

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*Brian Goff*  
*Chief Executive Officer*



# A Rare Blueprint for Success



Multi-Billion-Dollar  
Market Opportunity  
with PYRUKYND<sup>®</sup>



Robust Pipeline,  
Rich with Near-Term  
Catalysts



Proven Executional  
Excellence, Powered  
by Highly Experienced  
Team



Strong Financial  
Position

# 2025: Breakout Year

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## 2024 Transformative Year

**Progressed pipeline and reached critical clinical and regulatory milestones**

**Bolstered commercialization expertise**

**Expanded geographic commercial reach**

**Strengthened balance sheet**



## 2025 Breakout Year

- 1 Maximize potential of PYRUKYND<sup>®</sup> franchise**
- 2 Progress and diversify key pipeline programs**
- 3 Focus capital deployment priorities to sustain growth**

# Clinical and Regulatory Near-Term Catalysts Offer Potential to Significantly Drive Shareholder Value

2025

EARLY



**Pediatric PK Deficiency**

**PYRUKYND<sup>®</sup>**

Phase 3 data readout for  
ACTIVATE-Kids study

MID-YEAR

**Sickle Cell Disease**  
**Tebapivat**

Begin patient enrollment in  
Phase 2 study

**Polycythemia Vera**  
**AG-236**

File IND application

LATE

**Thalassemia**  
**PYRUKYND<sup>®</sup>**

Potential FDA approval  
(PDUFA goal date is September 7, 2025)

**Sickle Cell Disease**  
**PYRUKYND<sup>®</sup>**

Phase 3 data readout for  
RISE UP study

**Lower-Risk MDS**  
**Tebapivat**

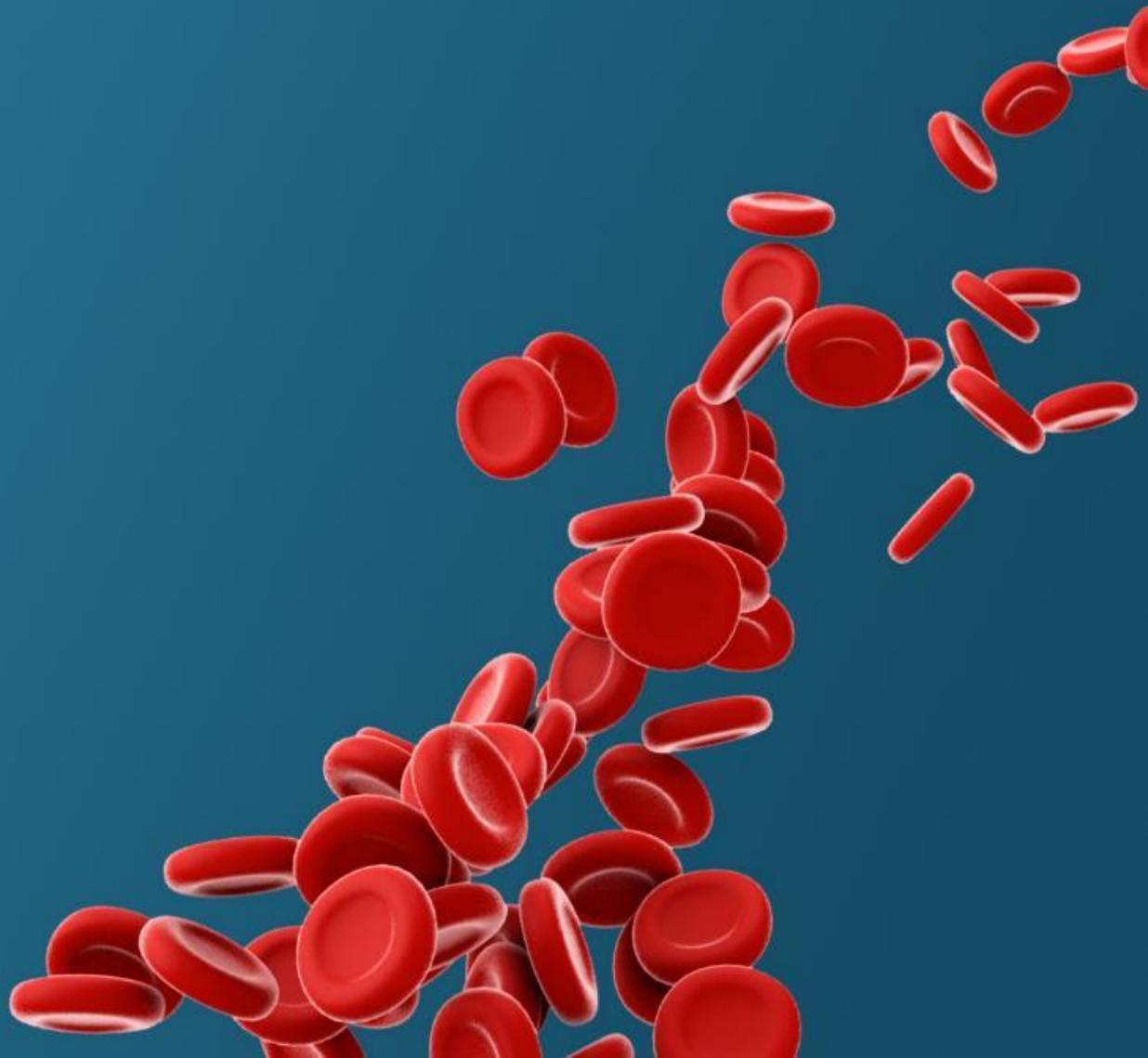
Complete patient enrollment in  
Phase 2b study



# Clinical Overview

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*Sarah Gheuens, M.D., Ph.D.*  
*Chief Medical Officer, Head of R&D*

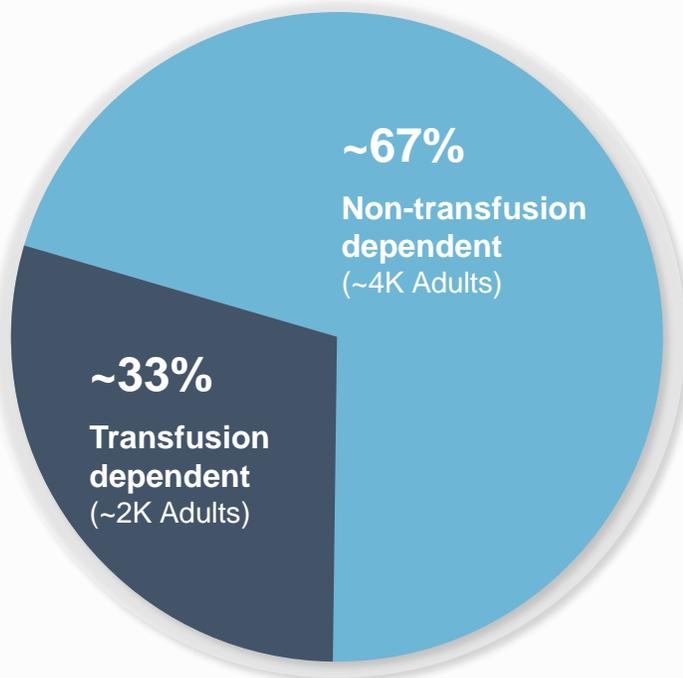


# Advancing Therapies for Rare Diseases with Limited or No Treatment Options

COMPOUND	INDICATION	PRECLINICAL	EARLY-STAGE CLINICAL DEVELOPMENT	LATE-STAGE CLINICAL DEVELOPMENT	REGULATORY SUBMISSION	APPROVAL
<b>PYRUKYND®</b> <i>First-in-class PK activator</i>		U.S., EU, GB				
	Pyruvate Kinase Deficiency	ACTIVATE - Kids T				
		ACTIVATE - Kids				
	NTDT and TDT α- and β-Thalassemia	U.S., EU, KSA, UAE				FDA PDUFA goal date September 7, 2025
	Sickle Cell Disease	RISE UP				
<b>Tebapivat (AG-946)</b> <i>Novel PK activator</i>	Lower Risk Myelodysplastic Syndromes					
	Sickle Cell Disease					
<b>AG-181</b> <i>Phenylalanine hydroxylase (PAH) stabilizer</i>	Phenylketonuria					
<b>AG-236</b> <i>siRNA Targeting TMPRSS6</i>	Polycythemia Vera					

# Thalassemia: High Patient Need with Limited or No Treatments and Significant Disease Burden

**~67%** of thalassemia patients with no approved therapies in the U.S.



## Increased Mortality

Lower survival for thalassemia patients, and significantly worse in patients who remain non-regularly transfused compared to regularly transfused patients

## Serious Morbidities

High rates of morbidities and frequency of complications increasing as patients age

## Poor Quality of Life

Adult patients with NTDT may have similar or worse Healthcare Related QoL compared with patients with TDT

## Healthcare Resource Utilization and Cost

A 1g/dL decrease in average Hb levels is associated with increased inpatient, outpatient and ER visits/costs, Rx costs, and total healthcare costs in patients with NTDT

# PYRUKYND<sup>®</sup> Poised to Be First and Only Approved Therapy Indicated to Treat All Subtypes of Thalassemia

## ENERGIZE and ENERGIZE-T Phase 3 Results Presented at EHA 2024 and ASH 2024

### Population

- Enrolled a total of 452 patients reflective of the real-world thalassemia population
- Enrolled adult patients with non-transfusion-dependent and transfusion-dependent alpha- or beta-thalassemia

### Efficacy

- Primary and all key secondary efficacy endpoints were met
- Demonstrated significant improvements in hemoglobin and fatigue
- Demonstrated significant reductions in transfusion burden

### Safety

- Overall, incidence of AEs was similar for patients on mitapivat and patients on placebo
- During the double-blind periods, there were 4.7% (n=14) of patients on mitapivat and 0.7% (n=1) of patients on placebo with TEAEs leading to treatment discontinuation
- During the double-blind periods, two patients on mitapivat experienced events of hepatocellular injury. During the open-label extension period, three patients experienced events of hepatocellular injury after switching from placebo to mitapivat. All events occurred within the first six months of exposure. Liver tests improved following discontinuation of mitapivat

Established a **favorable benefit-risk profile for mitapivat** in adult patients with non-transfusion-dependent and transfusion-dependent alpha- or beta-thalassemia

**Filed for regulatory approval** in the U.S., European Union, Kingdom of Saudi Arabia and United Arab Emirates

**FDA accepted PYRUKYND sNDA; PDUFA goal date is September 7, 2025**

PYRUKYND<sup>®</sup> is under investigation for thalassemia and is not approved anywhere for that use.

Sources: Taher AT. ENERGIZE: A global, phase 3 study of mitapivat demonstrating efficacy and safety in adults with alpha- or beta-non-transfusion-dependent thalassemia. Oral presentation presented at: European Hematology Association (EHA) Hybrid Congress; June 2024; Madrid, Spain, and Virtual. Cappellini MD. ENERGIZE-T: A global, phase 3, double-blind, randomized, placebo-controlled study of mitapivat in adults with transfusion-dependent alpha- or beta thalassemia. Oral presentation presented at: 66th American Society of Hematology (ASH) Annual Meeting and Exposition; December 2024; San Diego, CA, and online.

AEs: Adverse events; TEAEs: Treatment-emergent adverse events; sNDA: supplemental New Drug Application; PDUFA: Prescription Drug User Fee Act

# Sickle Cell Disease: Urgent Need for Multiple Innovative Therapies that Demonstrate Clinically Meaningful Benefits

## OUR OPPORTUNITY

120-135K patients  
in the U.S./EU5\*

~150K patients  
in GCC\*

>3M patients  
Worldwide\*

### Increased Mortality

30-year reduction in life expectancy; 48 years median survival in patients with severe sickle cell disease

### Serious Morbidities

Associated with high rates of morbidities, including anemia, increased risk of infection, acute chest syndrome, and stroke

### Poor Quality of Life

Significantly disrupts various aspects of life, including fatigue, emotional and financial well-being

### Healthcare Resource Utilization and Cost

Economic burden driven by frequent hospitalizations, ER visits, outpatient visits, and prolonged hospital stays

\*Prevalence figures

Sources: Agios internal estimates. Faro EZ, et al. Am J Prev Med. 2016;51(suppl 1):S48-S54. National Academies of Sciences, Engineering, and Medicine. Addressing Sickle Cell Disease: A Strategic Plan and Blueprint for Action. 2020. The National Academies Press. <https://doi.org/10.17226/25632>. Huo J, et al. Value in Health. 2018;21(suppl 2):S108. 2. Lee S, et al. Int J Gen Med. 2020;13:361-377.  
EU: European Union; GCC: Gulf Cooperation Council; ER: Emergency Room

# PYRUKYND<sup>®</sup> Offers Best-in-Class Opportunity in Sickle Cell Disease with Potential to Improve Anemia, Reduce VOCs and Improve How Patients Feel and Function

Phase 3 RISE UP study topline readout in late 2025; Potential U.S. launch in 2026

## STUDY POPULATION

Sickle cell disease patients 16 years of age or older  
200+ patients enrolled worldwide (trial enrollment completed in October 2024)

## STUDY DESIGN

52-week double blind period followed by 216-week open label extension  
2:1 randomization (100 mg mitapivat or placebo, BID)

## TWO PRIMARY ENDPOINTS\*

Hb response defined as a  $\geq 1.0$  g/dL increase in average Hb concentration from Week 24 through Week 52 compared with baseline  
Annualized rate of SCPCs

## SECONDARY ENDPOINTS

Additional clinical efficacy measures related to anemia, hemolysis, erythropoiesis, patient-reported fatigue and pain, annualized frequency of hospitalizations for SCPCs and 6MWT

\*Powering details in appendix

PYRUKYND<sup>®</sup> is under investigation for sickle cell disease and is not approved anywhere for that use.

Source: Andemariam B. Study design of the phase 3 portion of RISE UP: A phase 2/3, randomized, double-blind, placebo-controlled study of mitapivat in patients with sickle cell disease. Poster presentation presented at: 2024 European Hematology Association (EHA) Hybrid Congress; June 2024; Madrid, Spain, and Virtual.

VOCs: Vaso-occlusive crisis; BID: Twice daily; Hb: Hemoglobin; SCPCs: sickle cell pain crises; 6MWT: 6 minute walking test

# Tebapivat Provides High-Growth Potential with Best- and First-in-Class Opportunities in Areas of Critical Medical Need

## PREVALENCE

## MEDICAL NEED

## STATUS

### Lower-Risk MDS

*Potential first oral therapy for lower-risk MDS-associated anemia*

~75K-80K patients in U.S./EU5

No oral therapy addresses ineffective erythropoiesis; accounts for ~70% of all MDS cases

Phase 2b study ongoing, with patient enrollment completion expected in late 2025

### Sickle Cell Disease

*Expand addressable patient population*

~120-135K patients in U.S./EU5

Multiple innovative therapies that demonstrate clinically meaningful benefits

Phase 1 study complete; Phase 2 patient enrollment to be initiated in mid-2025

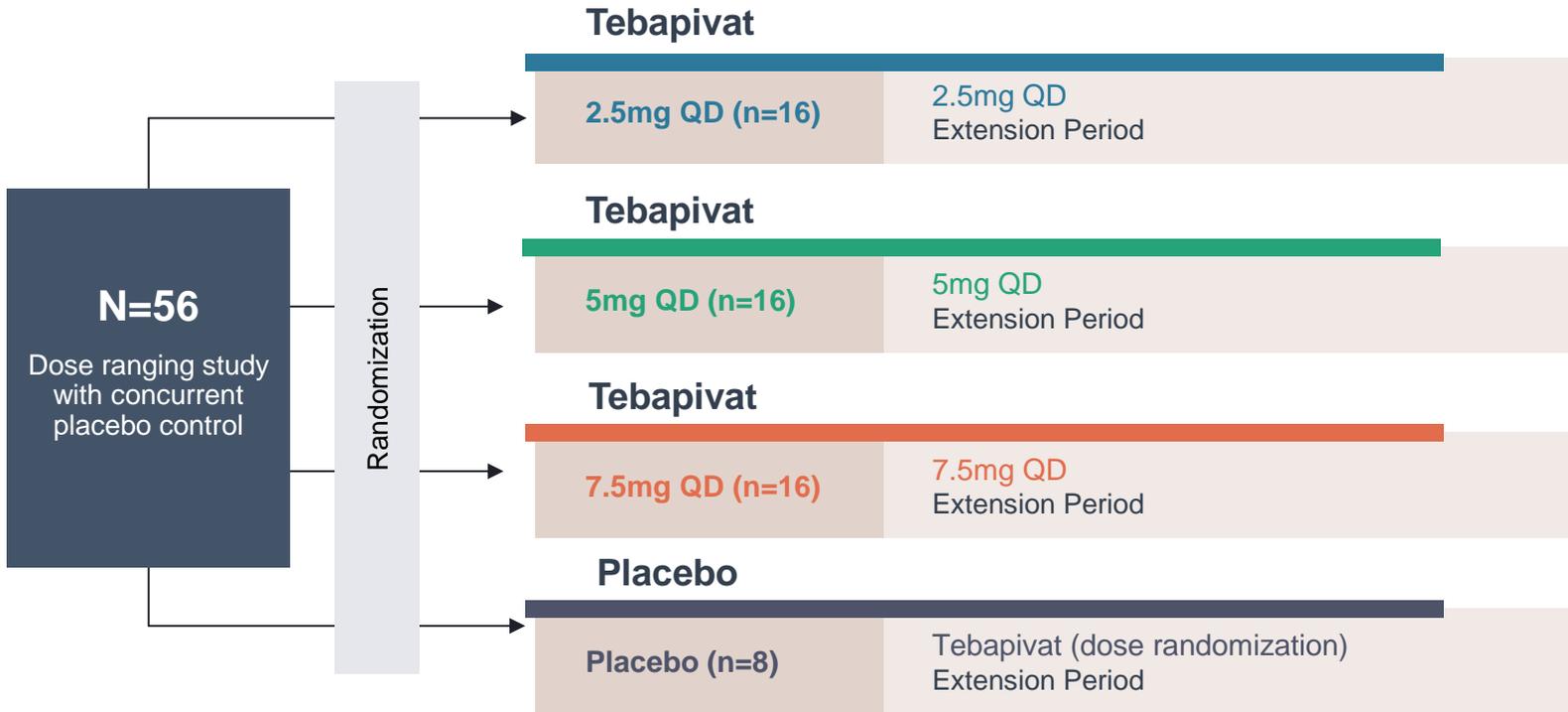
# Phase 2 Study of Tebapivat in Sickle Cell Disease

## Phase 2

### Primary endpoint:

Hb response, defined as  $\geq 1.0$  g/dL increase in hemoglobin concentration from Week 10 through Week 12 compared with baseline

**Secondary endpoints:** Safety, changes in hemoglobin, additional measures of hemolysis, erythropoiesis; PROs: PROMIS Fatigue, PROMIS Pain, ASCQ-Me



Core Period: 12 Weeks

OLE: 1 Year

Hb= hemoglobin; OLE=open label extension; PKa=pyruvate kinase activator; ASCQ-Me= Adult Sickle Cell Quality of Life Measurement Information System; PRO=patient reported outcome; SCPC=sickle cell pain crisis; RBC=red blood cells

### Status

- Patient enrollment expected to commence mid-2025

### Key inclusion criteria

- $\geq 16$  years of age
- Hemoglobin 5.5-10.5 g/dL
- If taking hydroxyurea, dose stable for 90 days

### Key Exclusion Criteria

- $>10$  SCPCs in the 12 months prior to consent
- Receiving regularly scheduled RBC transfusion therapy

# Phase 2b Open-Label Study of Tebapivat in Lower-Risk MDS

**Phase 2b**

## Primary endpoint:

Transfusion independence, defined as transfusion-free for  $\geq 8$  consecutive weeks during the Core Period

**Secondary endpoints:** safety, change in hemoglobin, TI for 12 weeks, additional measures of anemia, PK and PD biomarkers

## Status

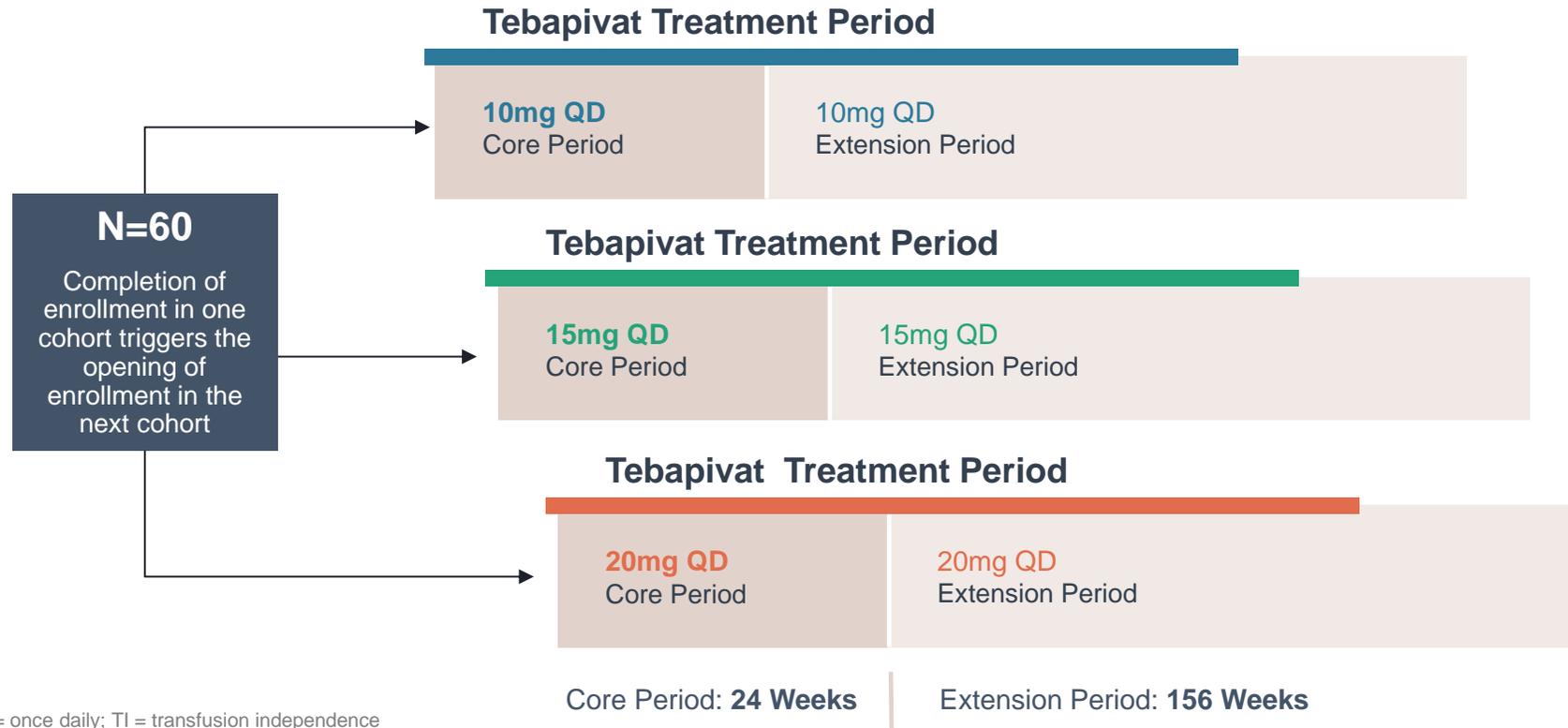
- Completion of enrollment expected in late-2025

## Key inclusion criteria

- $\geq 18$  years of age
- Lower-risk MDS (risk score:  $\leq 3.5$ ) according to IPSS-R classification (WHO classification; Arber et al, 2016)
- Transfusion dependent, with LTB or HTB according to revised IWG 2018 criteria
- An Hb concentration  $< 10.0$  g/dL
- Up to 2 prior therapies, including ESAs and/or luspatercept

## Key exclusion criteria

- Known history or AML or secondary MDS
- Prior exposure to a PK activator, IDH inhibitors, IST, stem cell transplant
- Currently receiving imetelstat, lenalidomide, HMAs allowed after sufficient washout period



QD = once daily; TI = transfusion independence  
 HTB = high transfusion burden; LTB = low transfusion burden;  
 IWG = International Working Group; AML = Acute myeloid leukemia

# Early-Stage Pipeline Offers Opportunity for Advancement

## PREVALENCE

## MEDICAL NEED

## STATUS

**Phenylketonuria**  
*AG-181*

~35-40k patients  
in U.S./EU5

Left untreated can  
cause range of  
neurocognitive issues  
and decrease in IQ;  
limited treatment  
options

Phase 1 study in  
healthy volunteers  
progressing to MAD  
in mid-2025

**Polycythemia  
Vera**  
*AG-236*

~100k patients  
in U.S.

Risk of thrombosis,  
CV events, enlarged  
spleen and death;  
Phlebotomy is  
standard of care

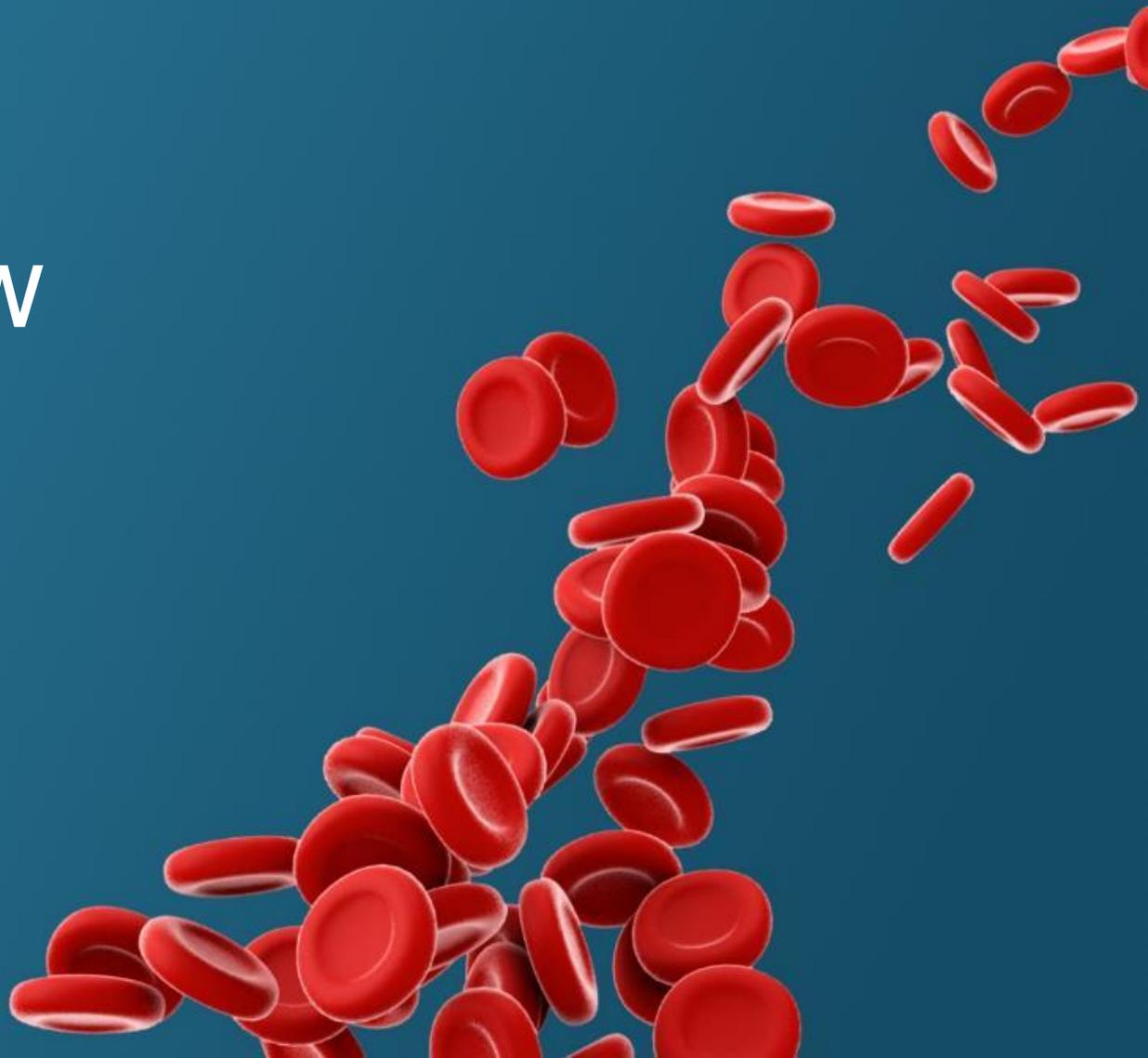
IND application filing  
in mid-2025



# Commercial Overview

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*Tsveta Milanova*  
*Chief Commercial Officer*



# PYRUKYND® Expansion into Larger Patient Populations Provides Multi-Billion-Dollar Market Opportunity



3-8K patients  
in the U.S./EU5\*

## PK Deficiency 2022

Approved for adults in the  
U.S., EU and Great Britain

**OUR GOAL**  
Deliver the first  
approved therapy for  
pediatric PK deficiency

18-23K patients  
in the U.S./EU5\*

~70K patients in GCC\*

>1M patients worldwide\*

## Thalassemia 2025

Potential U.S. approval

**OUR GOAL**  
Deliver the first therapy  
approved for all  
thalassemia subtypes

120-135K patients  
in the U.S./EU5\*

~150K patients  
in GCC\*

>3M patients  
worldwide\*

## Sickle Cell Disease 2026

Potential U.S. approval

**OUR GOAL**  
Deliver a novel oral therapy  
that improves anemia  
and reduces VOCs

PYRUKYND® is approved in the U.S. for the treatment of hemolytic anemia in adults with pyruvate kinase (PK) deficiency and in the Europe Union and in Great Britain for the treatment of PK deficiency in adult patients. It is under investigation for pediatric PK deficiency, thalassemia, and sickle cell disease.

\*Prevalence figures.

Source: Agios internal estimates

PK deficiency: Pyruvate kinase deficiency; EU: European Union; GCC: Gulf Cooperation Council; VOCs: Vaso-occlusive crisis

# Commercial Expertise and Capabilities in Place to Deliver Strong U.S. Launch; PDUFA Goal Date September 7, 2025



## Disease State Education

- ✓ Patient and HCP targeted education on unmet need via digital and personal channels
- ✓ Synergistic omni-channel approach



## Commercial Presence

- ✓ Right sized customer-facing teams
- ✓ Focused targeting and HCP profiling

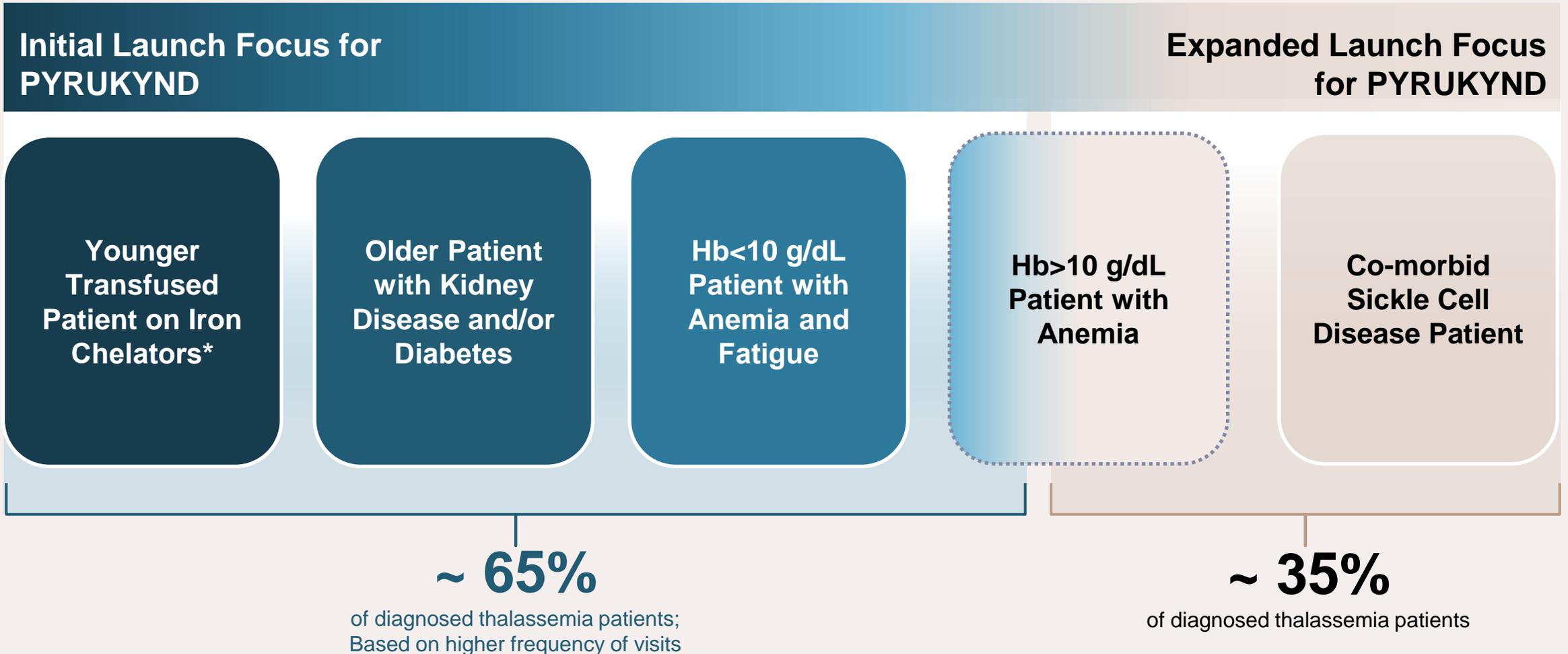


## Market Access

- ✓ Payer education on Thalassemia
- ✓ Strong value proposition for payers

# Initial PYRUKYND<sup>®</sup> U.S. Launch will Focus on Addressing ~65% of Thalassemia Patient Population

**6,000** diagnosed adults with thalassemia in the U.S.



\*Patients aged 18 years and older  
Source: U.S. EHR Data Analysis  
Hb: Hemoglobin

# Agios Market Research Identified Top Clinical Characteristics Healthcare Providers Will Consider When Prescribing PYRUKYND

## Top Clinical Patient Characteristics HCPs Will Consider When Prescribing PYRUKYND



**Hemoglobin  
Levels**



**Transfusion  
Burden**



**Fatigue**



**Iron  
Overload**

# PYRUKYND<sup>®</sup> has Potential to Transform the Thalassemia Treatment Landscape



**FIRST** Phase 3 program to include **Alpha- & Beta-thalassemia**



**FIRST** oral treatment candidate to show potential for benefits in pivotal Phase 3



**FIRST** to demonstrate **Quality-of-Life** improvements in non-transfusion dependent patients



**FIRST** to demonstrate up to **36 weeks durability** of effect on reduction of transfusion burden

# PYRUKYND® Q1 2025 Performance Metrics Highlight Continued Progress

**\$8.7M net sales of PYRUKYND®**

compared with \$10.7M in Q4 2024 and \$8.2M in Q1 2024

**136 patients on PYRUKYND®,**

which includes new prescriptions and those continuing treatment

**Patients on therapy represent broad demographic range;** consistent with the adult PK deficiency population

**234 unique patients completed PYRUKYND® prescription enrollment forms,**

including 11 in Q1, a 5% increase over Q4 2024

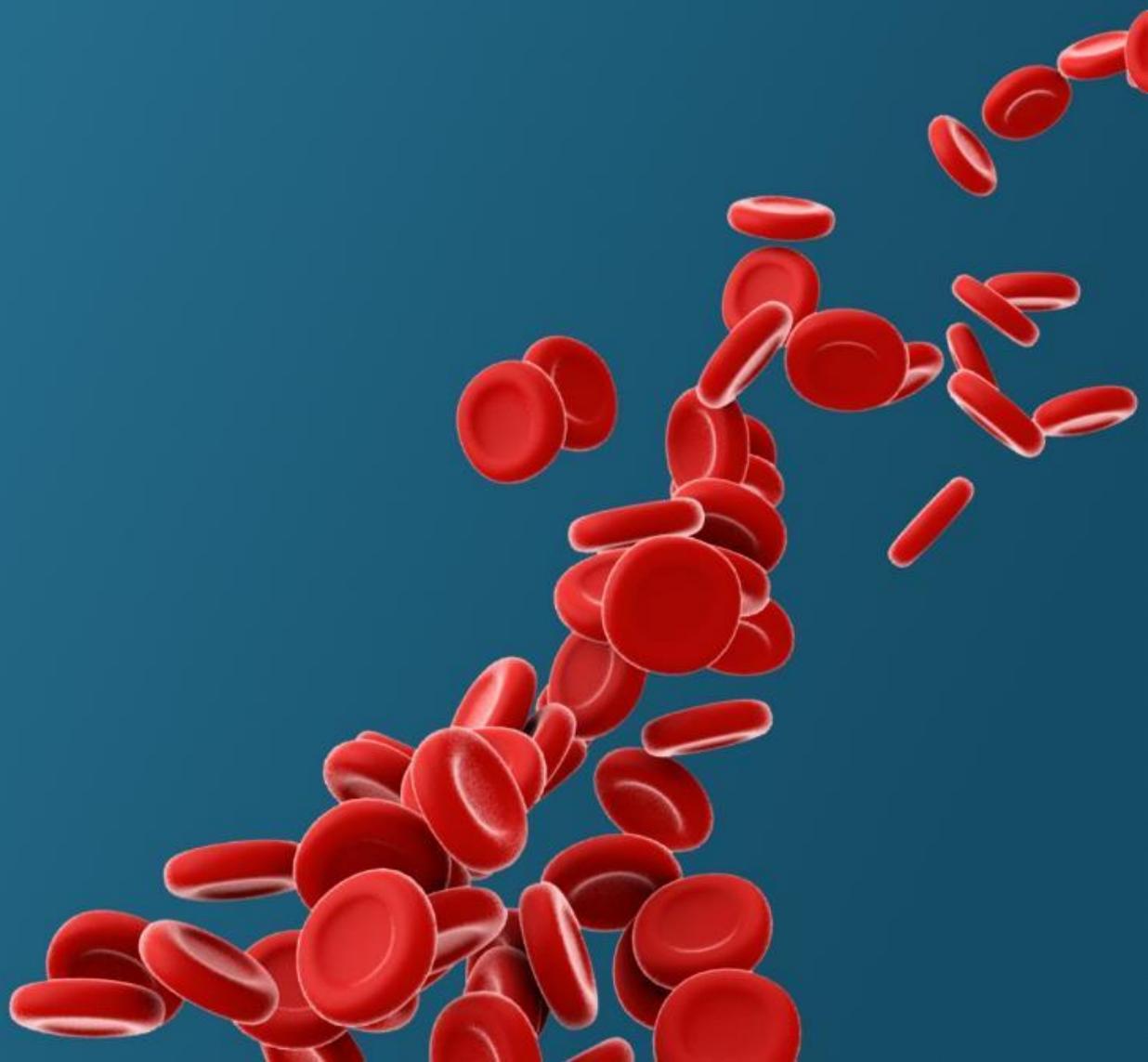
**Unique prescriber base of 202 physicians,** diversified across the country



# Financial Overview

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*Cecilia Jones*  
*Chief Financial Officer*



# First Quarter 2025 Financial Results

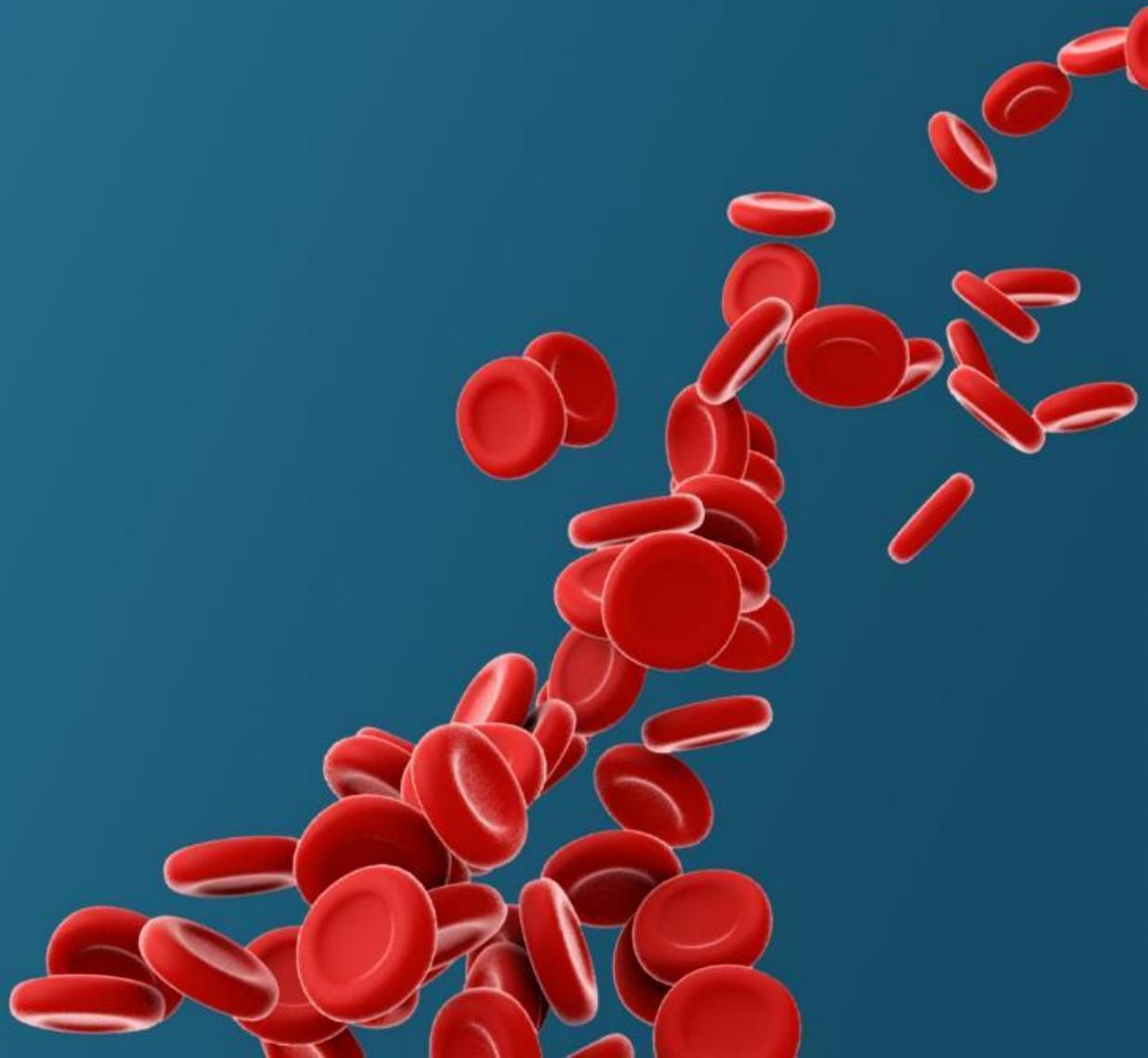
Statement of Operations	Three Months Ended 3/31/25	Three Months Ended 3/31/24
PYRUKYND® Net Revenue	\$8.7M	\$8.2M
Cost of Sales	\$1.1M	\$0.6M
Research & Development Expense	\$72.7M	\$68.6M
Selling, General & Administrative Expense	\$41.5M	\$31.0M
Net Loss	(\$89.3M)	(\$81.5M)
Balance Sheet	3/31/25	12/31/24
Cash, Cash Equivalents and Marketable Securities	\$1.4B	\$1.5B



# Closing Remarks

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*Brian Goff*  
*Chief Executive Officer*



# Clinical and Regulatory Near-Term Catalysts Offer Potential to Significantly Drive Shareholder Value

2025

EARLY



**Pediatric PK Deficiency**  
**PYRUKYND®**

Phase 3 data readout for  
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MID-YEAR

**Sickle Cell Disease**  
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Begin patient enrollment in  
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**PYRUKYND®**

Phase 3 data readout for  
RISE UP study

**Lower-Risk MDS**  
**Tebapivat**

Complete patient enrollment in  
Phase 2b study

# Delivering Significant Value Through Strategic Capital Allocation

**\$1.4B** Cash, Cash Equivalents and Marketable Securities\*



**Maximize**  
PYRUKYND®  
Thalassemia  
and Sickle Cell Disease  
Potential Launches



**Advance**  
Early- and Mid-Stage  
Clinical Pipeline



**Expand**  
Pipeline with Internal  
and External  
Opportunities



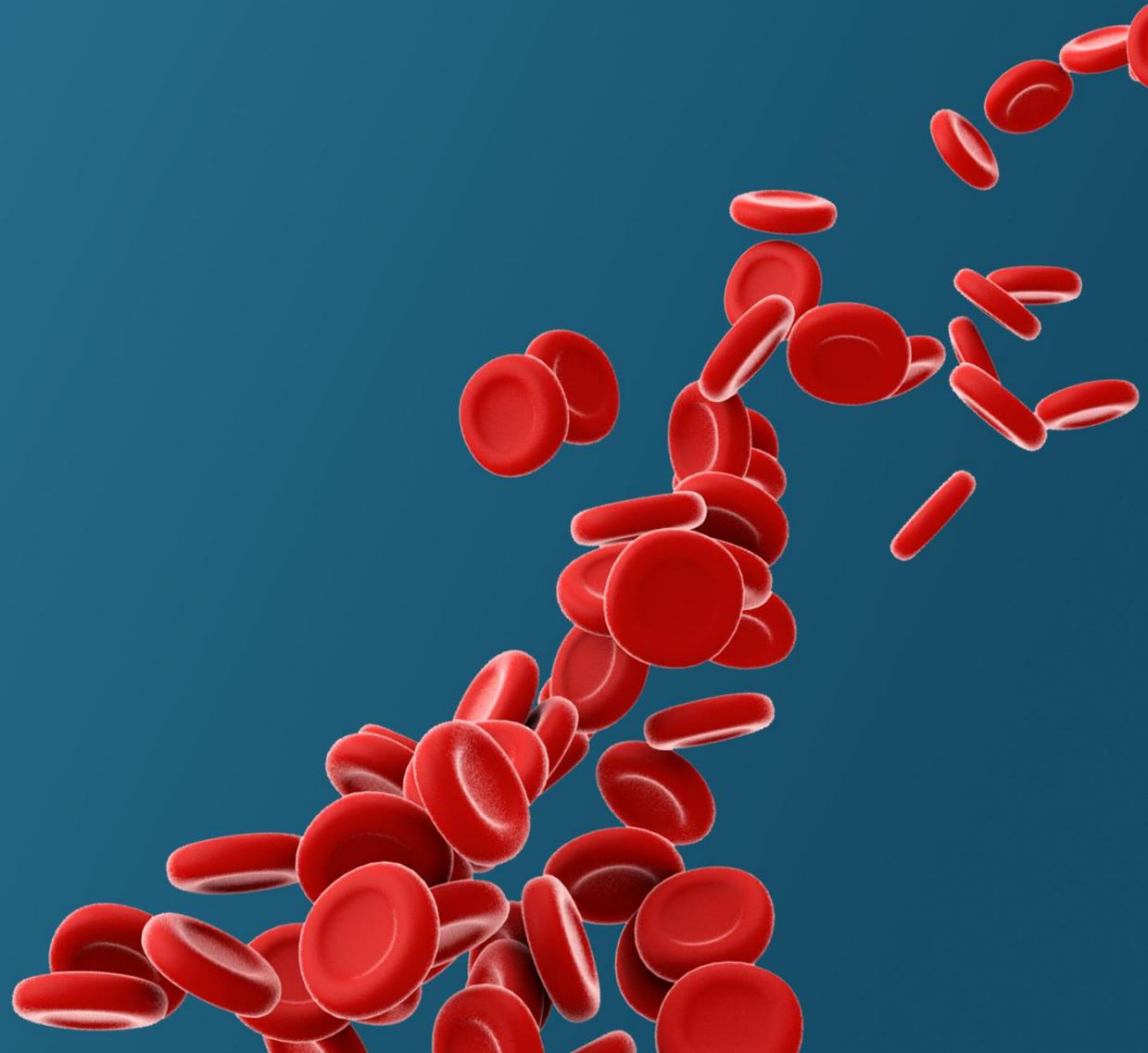
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Thank You!





# Appendix



# Advancing RISE UP Phase 3 Study of PYRUKYND® in Sickle Cell Disease with Expected Readout in Late 2025

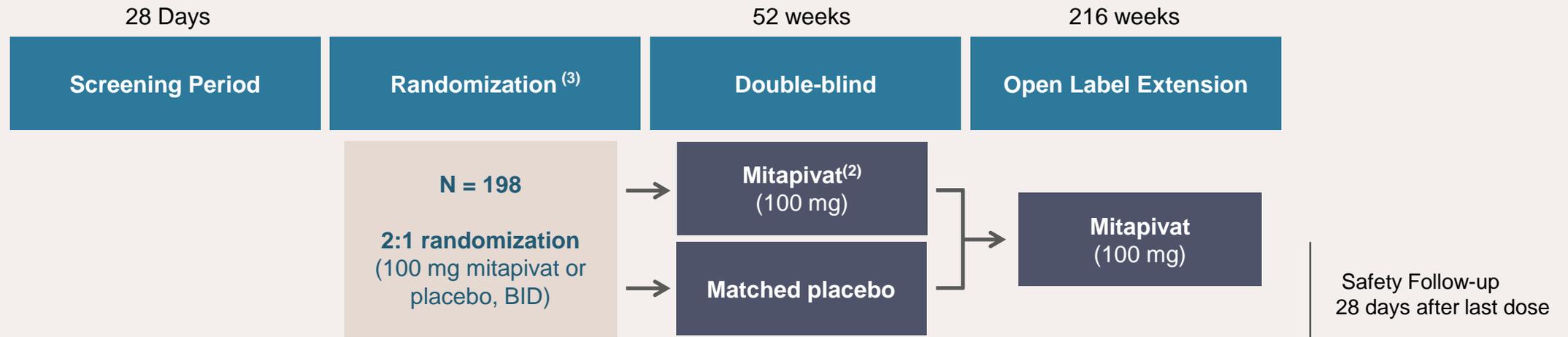


## Phase 3

Two primary endpoints <sup>(1)</sup>:  
**Hb response defined as a  $\geq 1.0$  g/dL increase in average Hb concentration from Week 24 through Week 52 compared with baseline:** With a planned sample size of 198 subjects there will be 91% power to detect an increase in Hb response rate from 10% in the placebo arm to 33% in the mitapivat arm based on a 2-sided significance level of 0.02

### Annualized rate of SCPCs:

The sample size will also provide 90% power to detect a decrease in the annualized SCPC rate of 3 in the placebo arm to 1.95 in the mitapivat arm at a 2-sided significance level of 0.03, assuming a dropout rate of 35% with an average of 0.55-years follow up in the double-blind period, and a shape parameter of 0.2

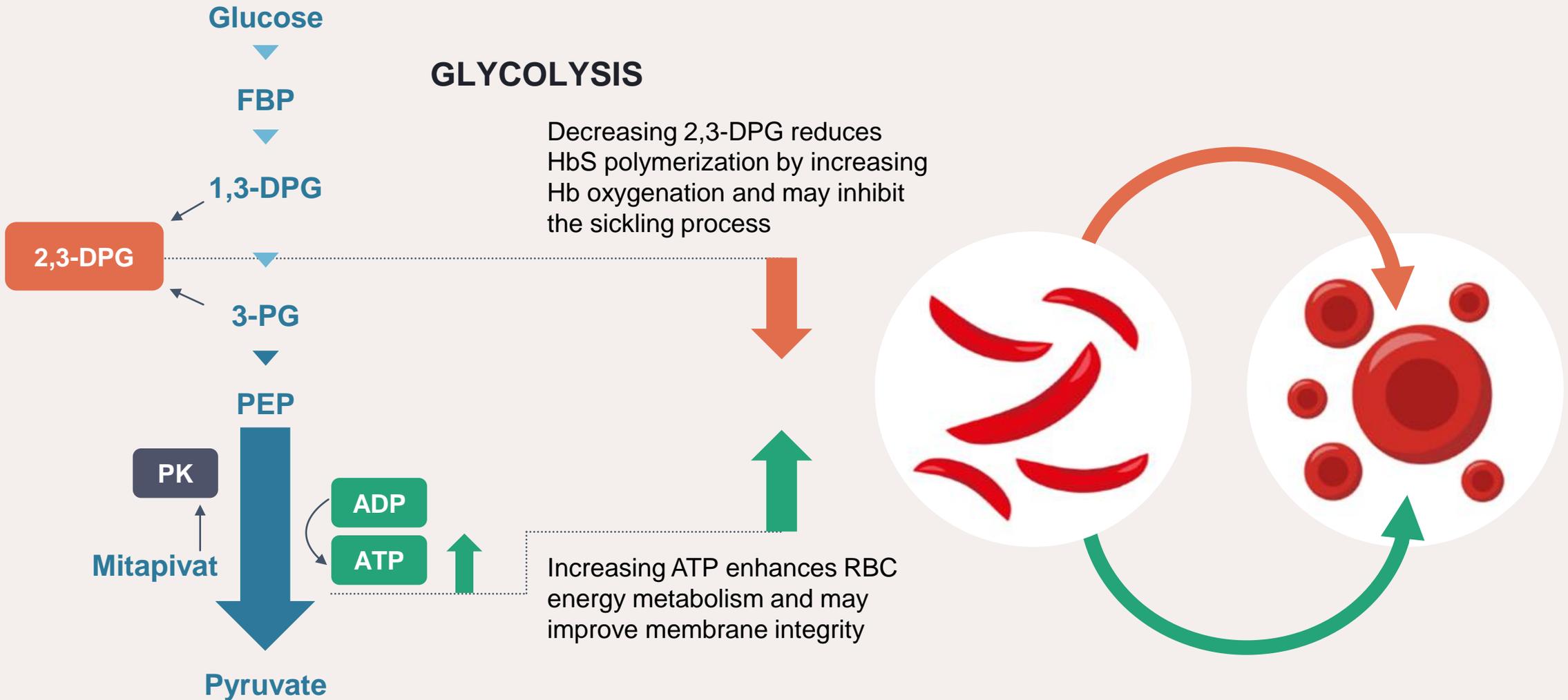


Abbreviations: BID = twice daily; Hb = hemoglobin; SCPC = sickle cell pain crises; HU = hydroxyurea

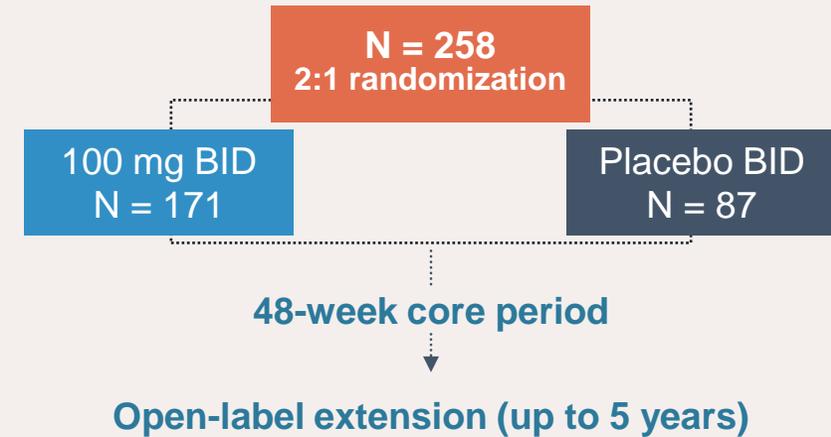
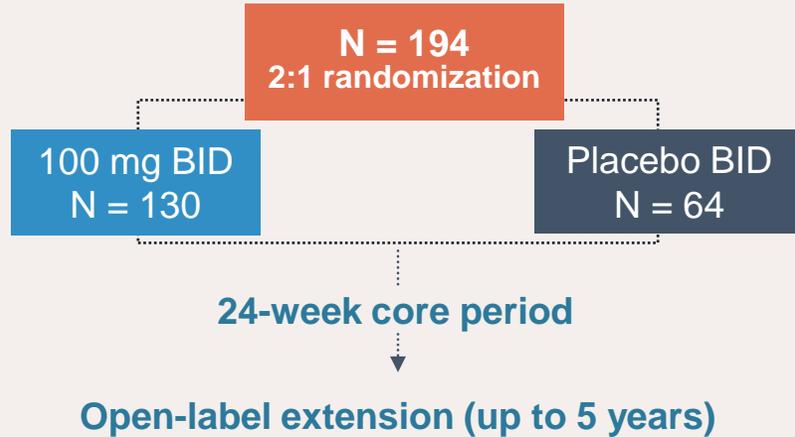
<sup>(1)</sup> Phase 2 and phase 3 components are part of a single study/protocol; <sup>(2)</sup> Patients who receive mitapivat in the double-blind period will continue to receive the same dose of mitapivat in the open-label extension period;

<sup>(3)</sup> Randomization stratification factors: Number of SCPCs in the prior year (< 5,  $\geq 5$ ), hydroxyurea use (yes, no).

# PK Activation in Sickle Cell Disease Modulates 2,3-DPG and ATP, which may Improve Anemia and Reduce Sickling



# Two Global, Phase 3, Randomized Controlled Trials of PYRUKYND® in Thalassemia Across Full Range of Thalassemia Patients



## Primary endpoint

- Mean Hb ↑  
≥ 1 g/dL from baseline

## Secondary endpoints

- Fatigue, additional measures of Hb ↑, hemolysis, patient-reported outcomes, physical activity, iron metabolism, safety, PK/PD

## Key inclusion criteria

- ≥ 18 years
- β-thalassemia ± α-globin mutations, HbE β-thalassemia, or α-thalassemia (HbH disease)
- Non-transfusion-dependent defined as ≤5 RBC units during the 24-week period before randomization and no RBC transfusions ≤8 weeks prior
- Hb ≤ 10.0 g/dL

## Primary endpoint

- 50% reduction in transfusion burden in any 12-week rolling period

## Secondary endpoints

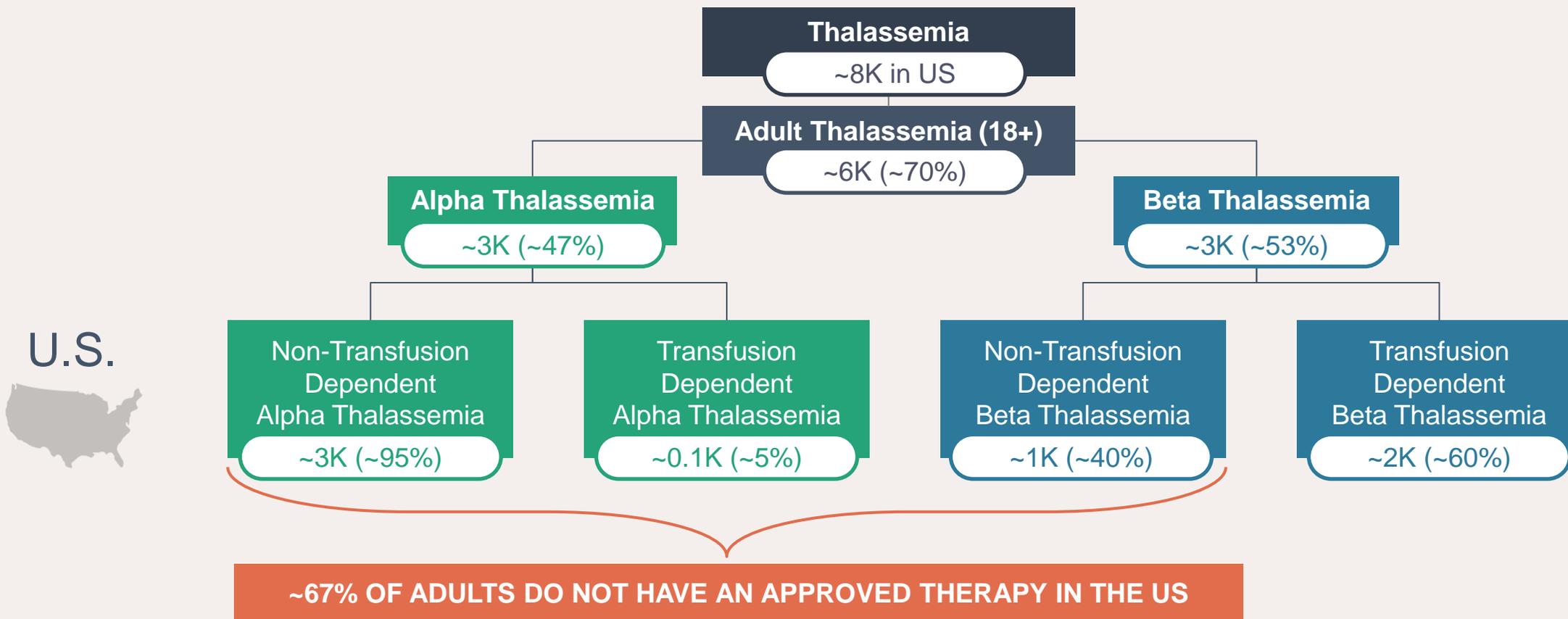
- Additional measures of transfusion reduction, safety, PK/PD

## Key inclusion criteria

- ≥ 18 years
- β-thalassemia ± α-globin mutations, HbE β-thalassemia, or α-thalassemia (HbH disease)
- Transfusion-dependent defined as 6 to 20 RBC units transfused and ≤6-week transfusion-free period during the 24-week period before randomization

**Both studies completed;  
topline data readouts in 2024**

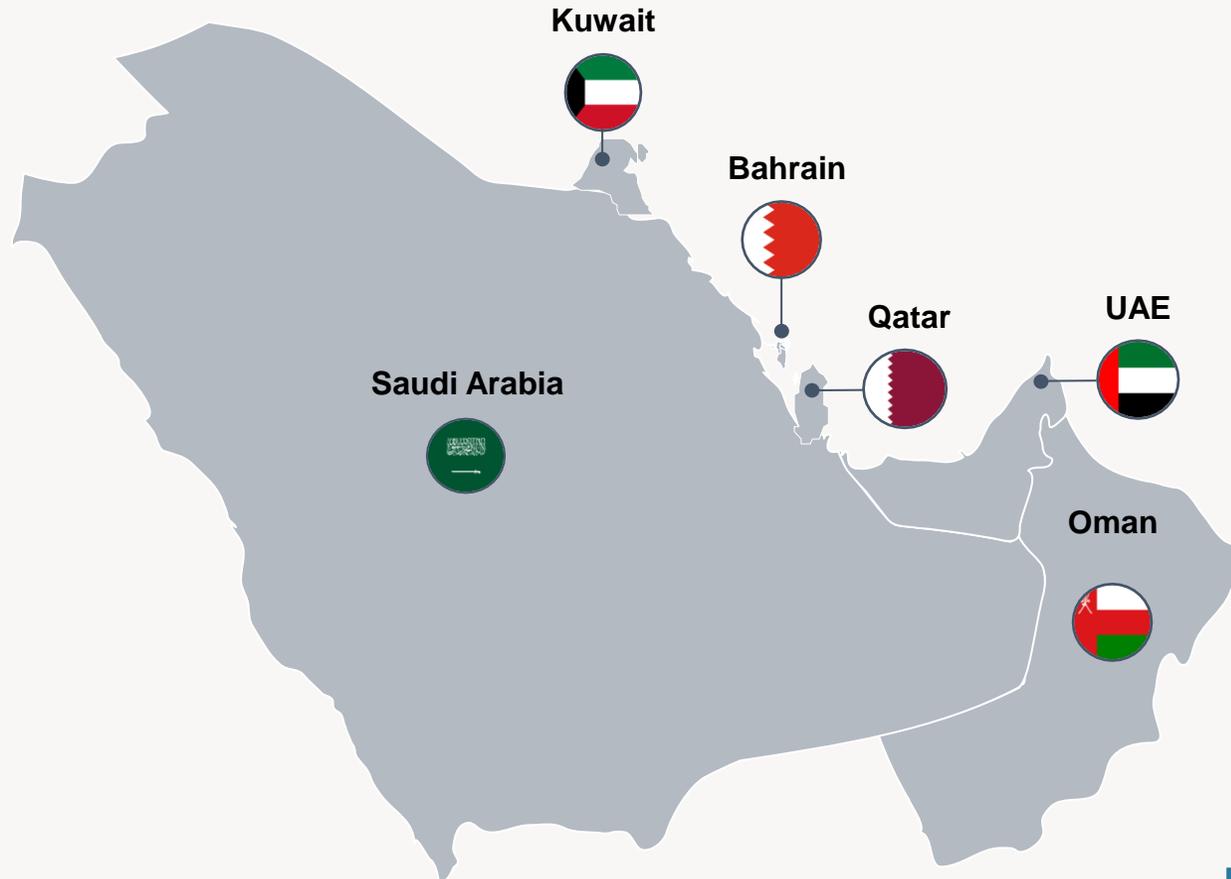
# PYRUKYND® has the Potential to Become the First and Only Therapy Approved for All Thalassemia Subtypes



<b>Approved treatment in US*</b>	✗	✗	✗	✓
<b>PYRUKYND potential label</b>	✓	✓	✓	✓

# The GCC Region Represents a Significant Opportunity for PYRUKYND in Thalassemia; Regulatory Filings Under Review in Saudi Arabia and UAE

Approximately 70k Thalassemia Patients in Gulf Cooperation Council (GCC) Countries



**High unmet need** given disproportionately high prevalence



Entered **distribution agreement** with **NewBridge**; a leading specialty company with **regulatory and commercial expertise in the GCC**



Saudi Arabia accounts for the majority of patients in GCC region



Mitapivat received **Breakthrough Medicine Designation** by the SFDA (Saudi FDA); one of the first products to receive BMD



The **access path** in the GCC region begins with a price set at the regulatory level, followed by access with health authorities, local institutions, and the private sector, and national tenders

A woman with short brown hair, wearing a light blue sweater, stands in a living room. The room is decorated with several framed posters on the wall, including 'Organ Damage', 'Blood Clots', 'PULMONARY HYPERTENSION', 'iron Overload', 'STROKE', 'Heart Damage', 'LIVER DISEASE', and 'LEG ULCERS'. There is a fireplace, a bookshelf, and a couch with pillows labeled 'Fatigue', 'Anemia', and 'Heart'.

LOOK CLOSER TO  
**SEE WHAT THALASSEMIA IS HIDING**

Even if you don't receive regular transfusions, thalassemia may come with serious risks. Learn more about these risks and what you can do about them.

# First Clinical Study to Demonstrate Efficacy of an Oral Therapy for Children with PK Deficiency who are Not Regularly Transfused

## Topline Results

### Enrollment & Completion

- A total of 30 patients aged 1 to <18 years were enrolled in the study, with 19 randomized to mitapivat twice-daily and 11 randomized to matched placebo.
- All 19 patients (100.0%) in the mitapivat arm and all 11 (100.0%) in the placebo arm completed the 20-week double-blind period of the study.

### Hemoglobin Response

- Primary endpoint met. 31.6% (6/19) of patients in the mitapivat arm achieved a hemoglobin response, compared to 0.0% (0/11) of patients in the placebo arm.

### Additional Observations

- Improvements in changes from baseline for markers of hemolysis (indirect bilirubin, lactate dehydrogenase and haptoglobin) were observed in the mitapivat arm compared to the placebo arm.

## Safety

- In the 20-week double-blind treatment period of the study, a similar proportion of patients had adverse events (AEs) in the mitapivat and placebo arms and there were no discontinuations of study treatment due to AEs.
- Safety results in this pediatric study were consistent with the safety profile for mitapivat previously observed for adult subjects with PK deficiency who are not regularly transfused.

The analysis of the primary endpoint was based on Bayesian statistical methodology whereby the hemoglobin response data from the adult ACTIVATE study informed and contributed to the analysis of hemoglobin response in the ACTIVATE-Kids study. The analysis was performed using a range of relative borrowing from the adult ACTIVATE study, representing the prior degree of belief in the similarity of the treatment effect in the pediatric and adult populations. The prespecified statistical criterion for the primary endpoint in ACTIVATE-Kids was met for all possible borrowing weights (ranging from 0 to 1)