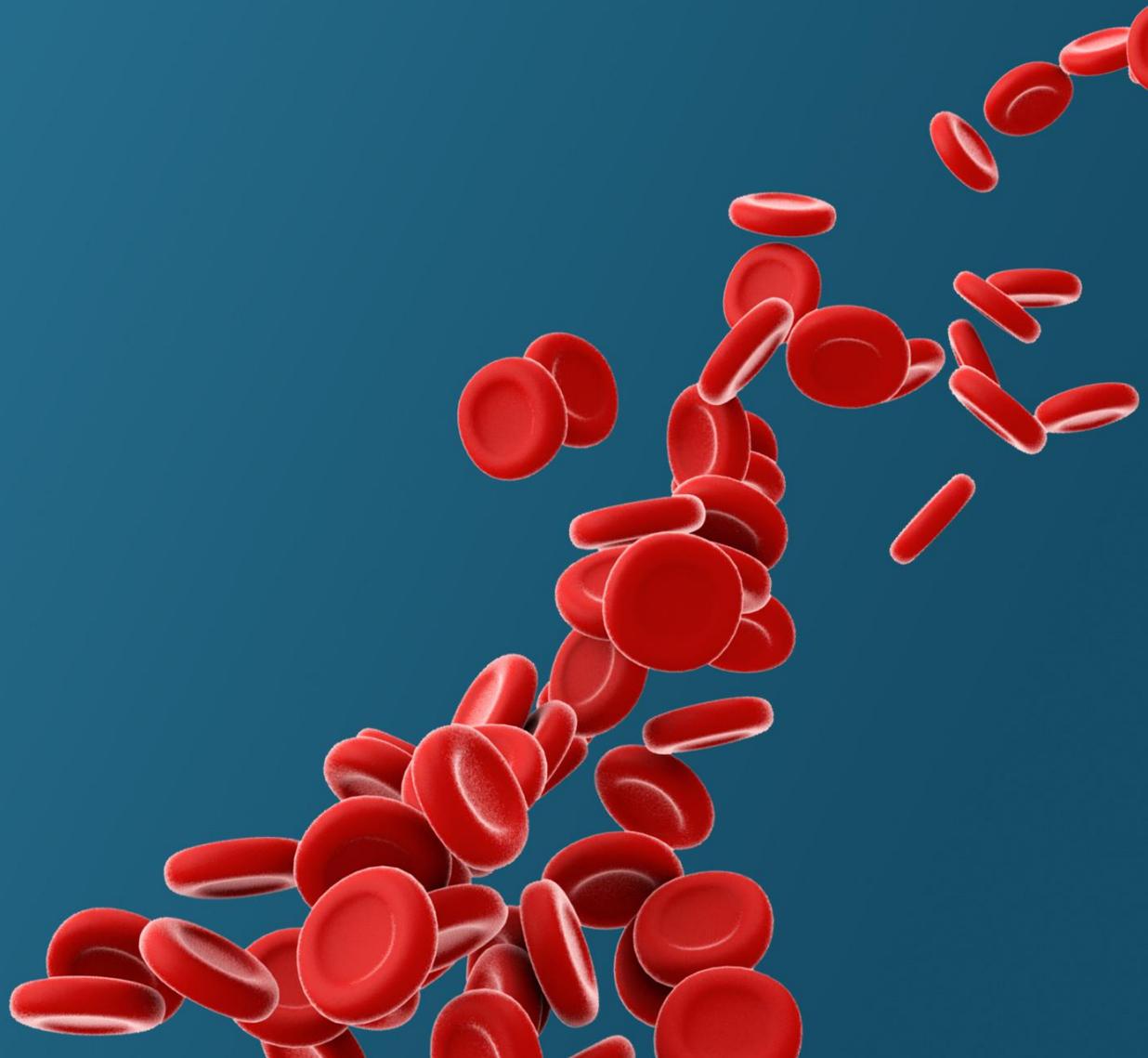




Q4 2024 Financial Results and Business Update

February 13, 2025



Agios Conference Call Participants

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
Third Quarter 2024 Financial Results	Cecilia Jones, Chief Financial Officer
Q&A	Mr. Goff, Dr. Gheuens, Ms. Milanova, Ms. Jones

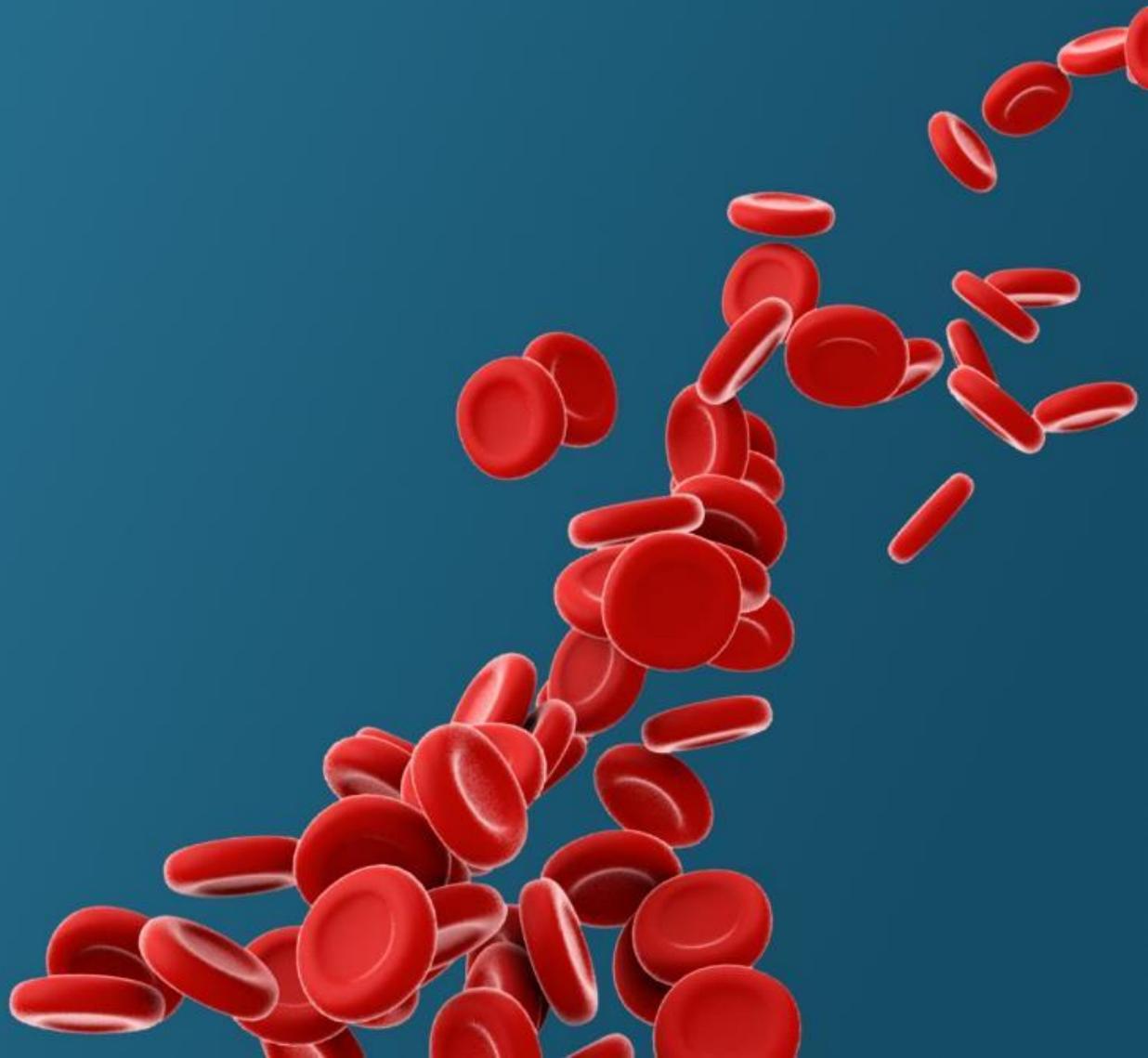
Forward-Looking Statements

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[®] (mitapivat), tebapivat (AG-946), AG-236 and AG-181, Agios' PAH stabilizer; Agios' plans, strategies and expectations for its preclinical, clinical and commercial advancement of its drug development, including PYRUKYND[®], tebapivat, AG-181 and AG-236; the submission of PYRUKYND[®] 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

Brian Goff
Chief Executive Officer



A Rare Blueprint for Success



Multi-Billion-Dollar
Market Opportunity
with PYRUKYND[®]



Robust Pipeline,
Rich with Near-Term
Catalysts



Proven Executional
Excellence, Powered
by Highly Experienced
Team



Strong Financial
Position

2024: Transformative Year, Delivering on All Key Priorities

2024

EARLY



Thalassemia
PYRUKYND®

Phase 3 data readout for
ENERGIZE study



Phenylketonuria
AG-181

Begin Phase 1 dosing for
AG-181 (PAH stabilizer)

MID-YEAR



Thalassemia
PYRUKYND®

Phase 3 data readout for
ENERGIZE-T study



Pediatric PK
Deficiency
PYRUKYND®

Complete patient enrollment in
Phase 3 ACTIVATE-Kids study



Lower-Risk MDS
Tebapivat (AG-946)

Begin patient enrollment of
Phase 2b study



Pediatric PK
Deficiency
PYRUKYND®

Phase 3 data readout for
ACTIVATE-KidsT study

LATE



Thalassemia
PYRUKYND®

Filing for
FDA Approval



Sickle Cell Disease
PYRUKYND®

Complete patient enrollment in
Phase 3 RISE UP study

2025: Breakout Year

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

Maximize potential of PYRUKYND[®] franchise

Progress and diversify key pipeline programs

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[®]

Phase 3 data readout for
ACTIVATE-Kids study

MID-YEAR

Sickle Cell Disease
Tebapivat (AG-946)

Begin patient enrollment in
Phase 2 study

Polycythemia Vera
AG-236

File IND application

LATE

Thalassemia
PYRUKYND[®]

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

Sickle Cell Disease
PYRUKYND[®]

Phase 3 data readout for
RISE UP study

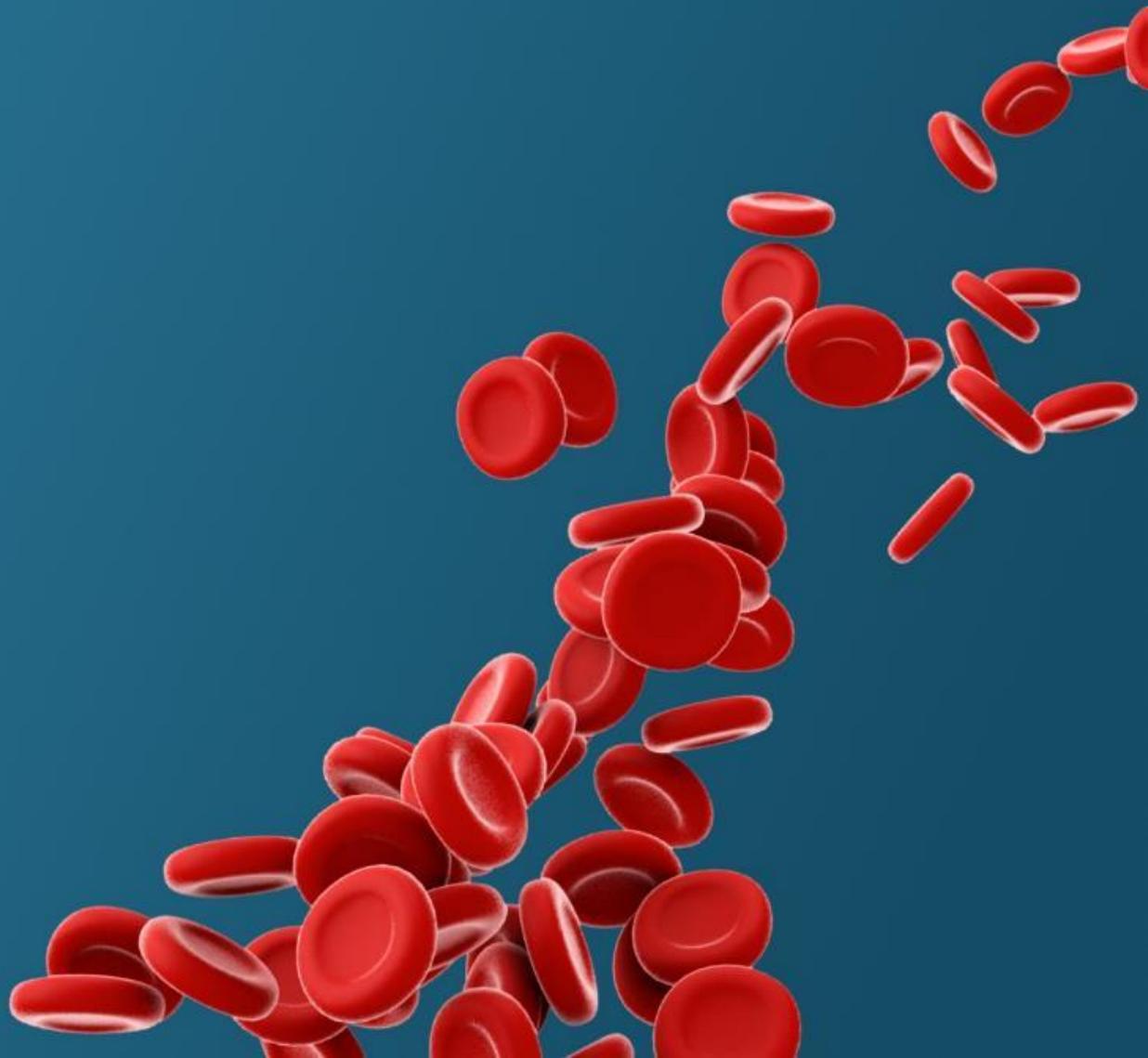
Lower-Risk MDS
Tebapivat (AG-946)

Complete patient enrollment in
Phase 2b study



Clinical Overview

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



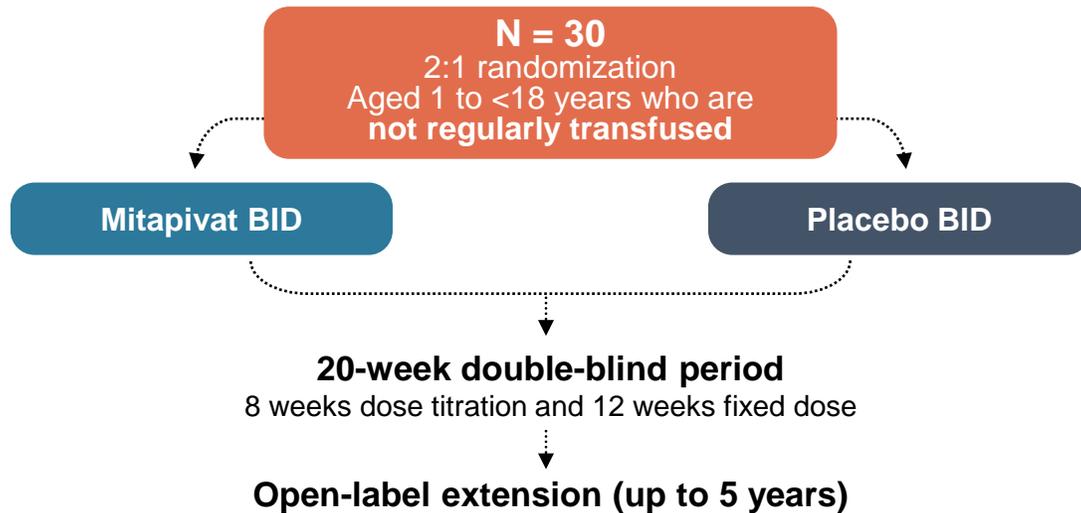
Advancing Therapies for Rare Diseases with Limited or No Treatment Options

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

Pediatric PK Deficiency Program: Two Phase 3 Studies Evaluating Regularly Transfused and Not Regularly Transfused Pediatric Patients with PK Deficiency

ACTIVATE-Kids Topline Data February 2025; ACTIVATE-KidsT Topline Data August 2024

ACTIVATE-Kids



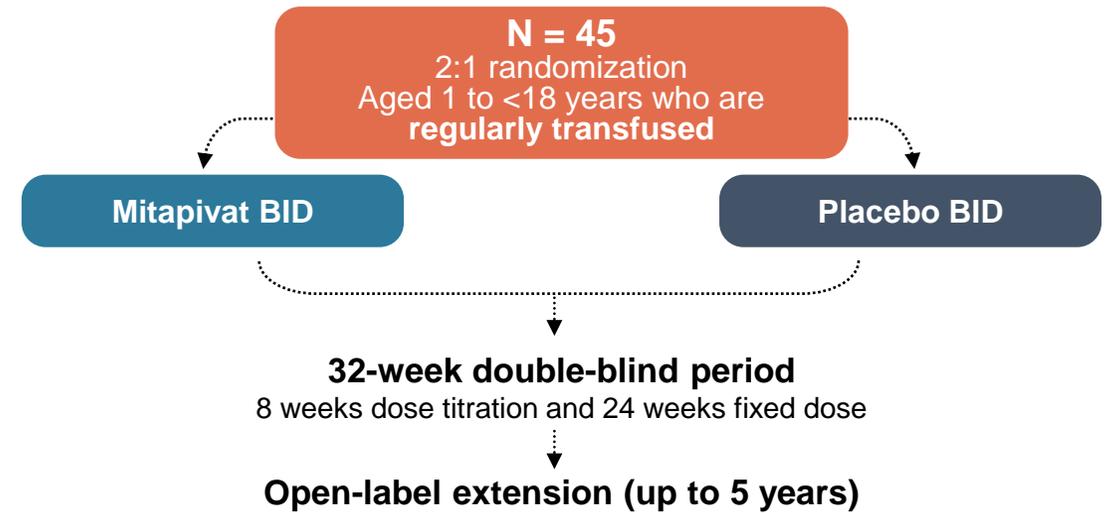
Primary endpoint

- ≥ 1.5 g/dL (0.93 mmol/L) increase in Hb concentration from baseline that is sustained at 2 or more scheduled assessments at weeks 12, 16 and 20 during the double-blind period

Secondary endpoints

- Additional measures of Hb \uparrow , hemolysis, HRQOL, iron metabolism, safety, PK/PD

ACTIVATE-KidsT



Primary endpoint

- $\geq 33\%$ reduction in the total RBC transfusion volume from Week 9 through Week 32 of the double-blind period normalized by weight and actual study drug duration compared with the historical transfusion volume standardized by weight and to 24 weeks

Secondary endpoints

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

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.

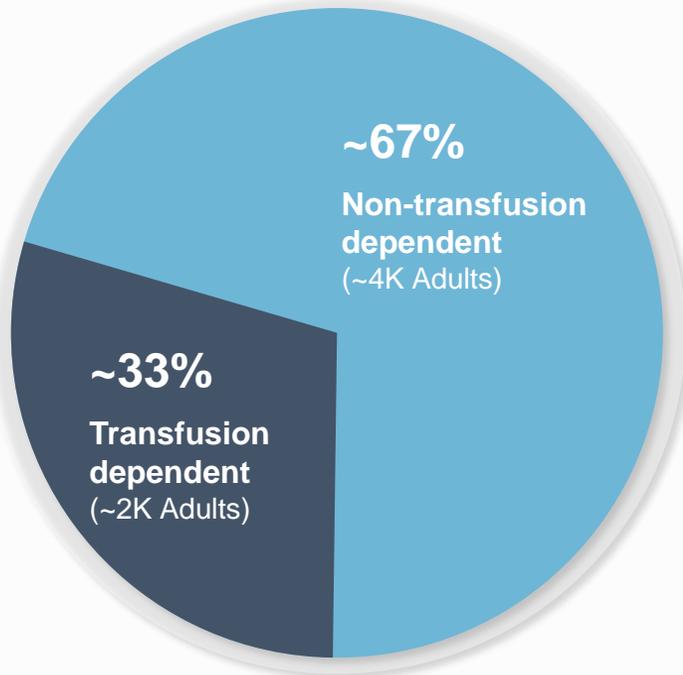
Safety

- 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.



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

~67% 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[®] 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[®] 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[®] 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 ≥ 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[®] 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 (AG-946) 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

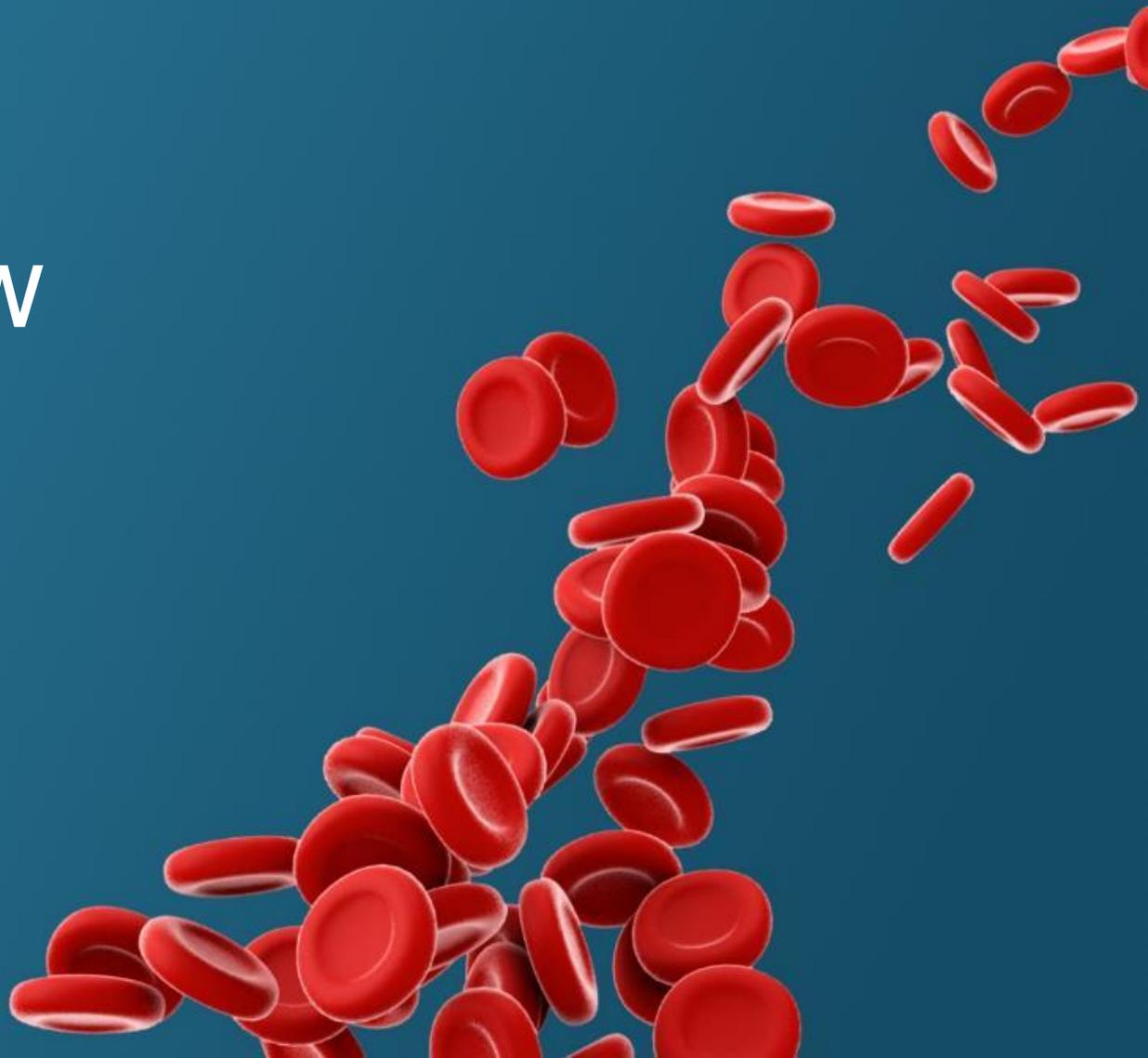
Multiple innovative therapies that demonstrate clinically meaningful benefits

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



Commercial Overview

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



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

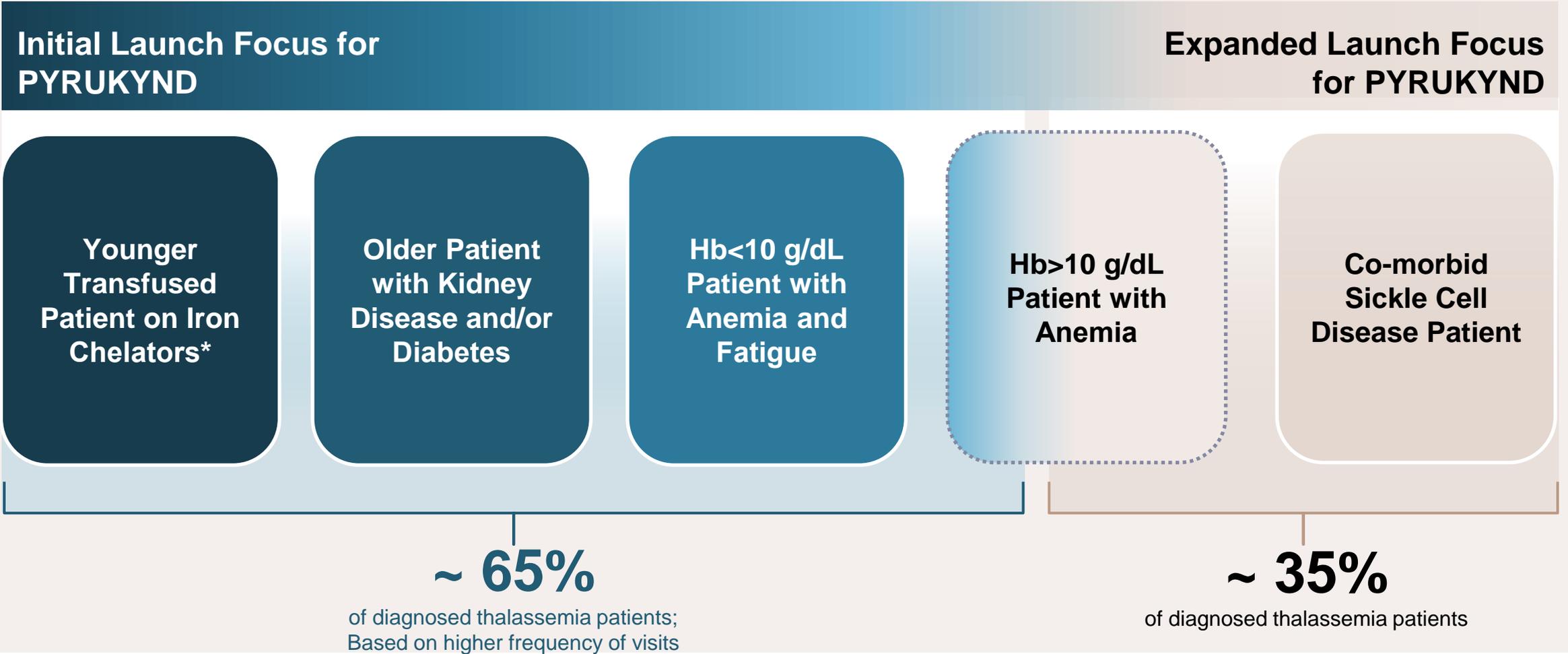


Market Access

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

Initial PYRUKYND[®] 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

PYRUKYND[®] 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® Q4 2024 Performance Metrics Highlight Continued Progress

\$10.7M net sales of PYRUKYND®

20% growth over \$9.0 million in Q3 2024

130 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

223 unique patients completed PYRUKYND® prescription

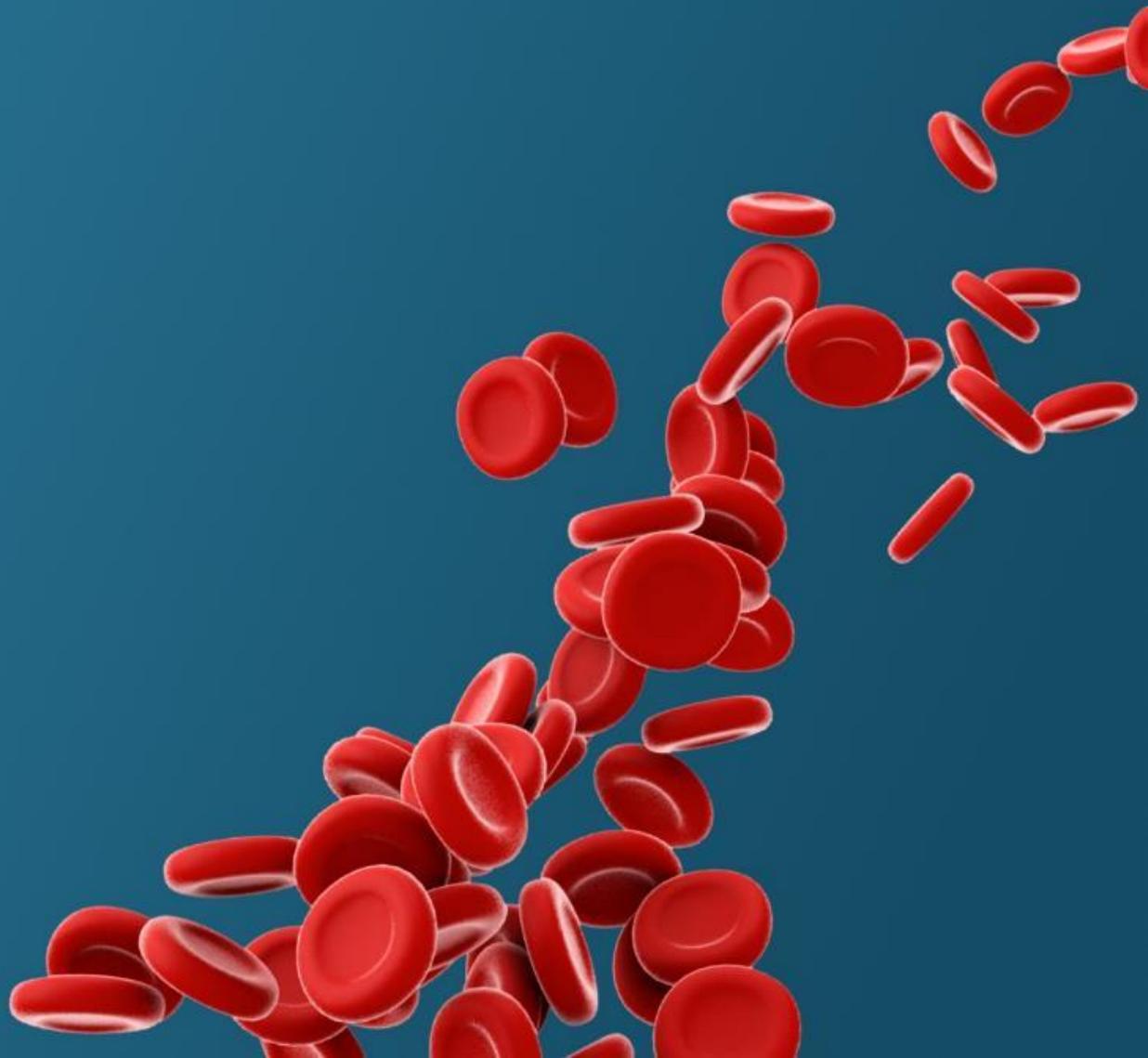
enrollment forms, including 12 in Q4, a 6% increase over Q3 2024

Unique prescriber base of 191 physicians, diversified across the country



Financial Overview

Cecilia Jones
Chief Financial Officer



Fourth Quarter and Full Year 2024 Financial Results

Statement of Operations	Three Months Ended 12/31/24	Three Months Ended 12/31/23	Year Ended 12/31/24	Year Ended 12/31/23
PYRUKYND® Net Revenue	\$10.7M	\$7.1M	\$36.5M	\$26.8M
Cost of Sales	\$1.3M	\$0.6M	\$4.2M	\$2.9M
Research & Development Expense	\$82.8M	\$77.5M	\$301.3M	\$295.5M
Selling, General & Administrative Expense	\$51.7M	\$35.3M	\$156.8M	\$119.9M
Net Income (Loss)	(\$96.5M)	(\$95.9M)	\$673.7M	(\$352.1M)

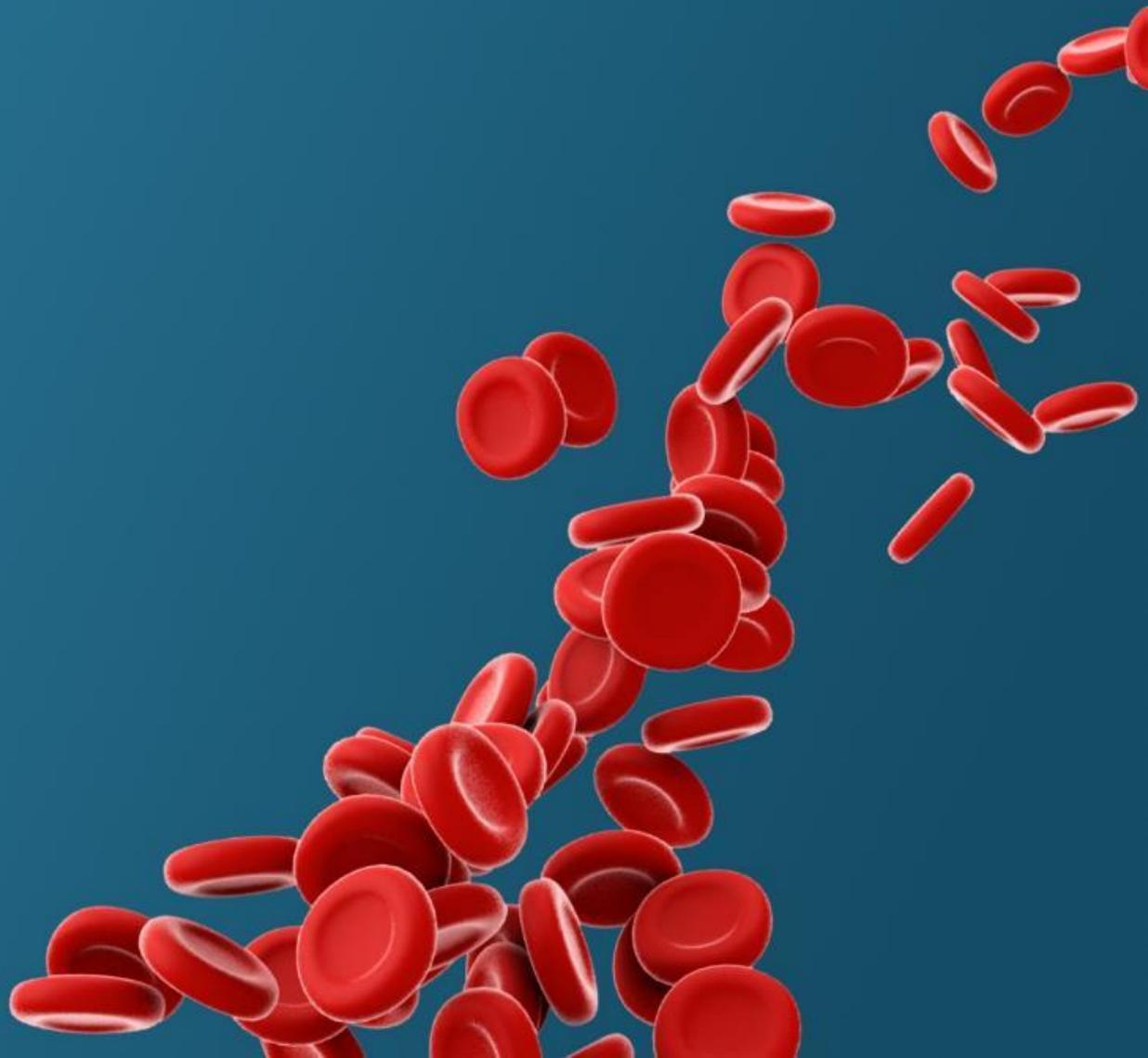
Balance Sheet	12/31/24	12/31/23
Cash, Cash Equivalents and Marketable Securities*	\$1.5B	\$806.4M

*Agios received a total of \$1.1 billion in payments upon the FDA approval of vorasidenib (August 6, 2024). Agios retains a 3% royalty on annual U.S. net sales greater than \$1 billion.



Closing Remarks

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
ACTIVATE-Kids study

MID-YEAR

Sickle Cell Disease
Tebapivat (AG-946)

Begin patient enrollment in
Phase 2 study

Polycythemia Vera
AG-236

File IND application

LATE

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

Sickle Cell Disease
PYRUKYND®

Phase 3 data readout for
RISE UP study

Lower-Risk MDS
Tebapivat (AG-946)

Complete patient enrollment in
Phase 2b study

Delivering Significant Value Through Strategic Capital Allocation

\$1.5B 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

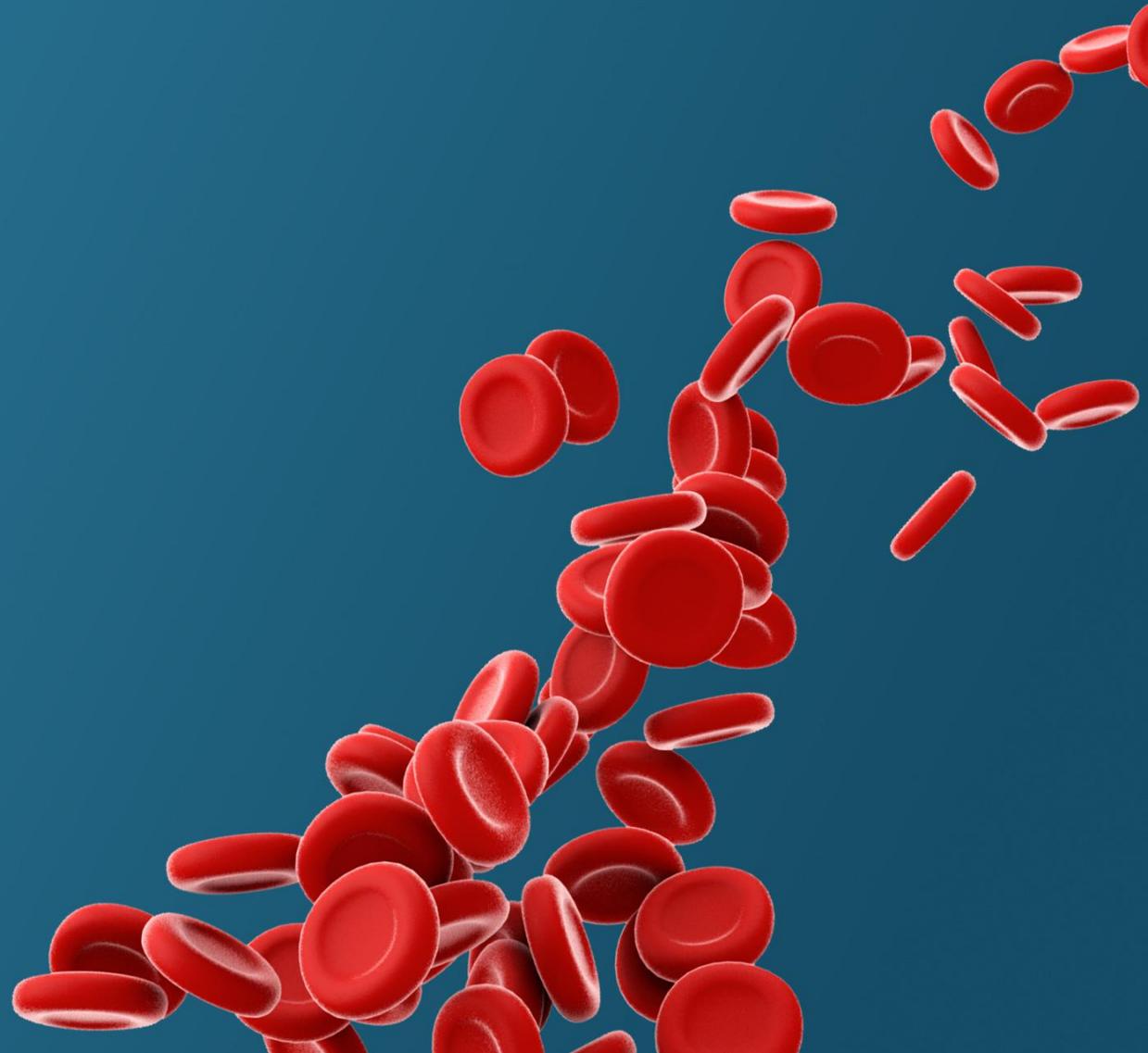


Thank You!





Appendix



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

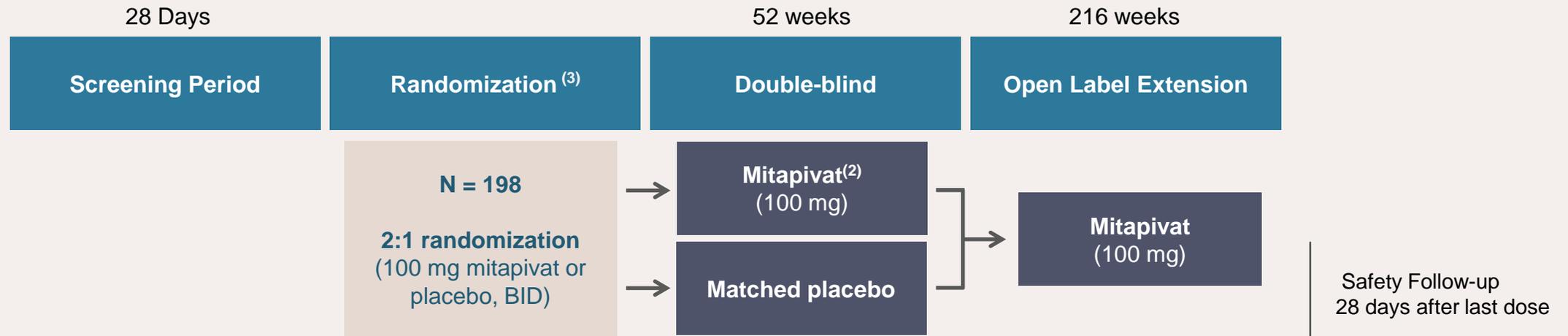


Phase 3

Two primary endpoints ⁽¹⁾:
Hb response defined as a ≥ 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

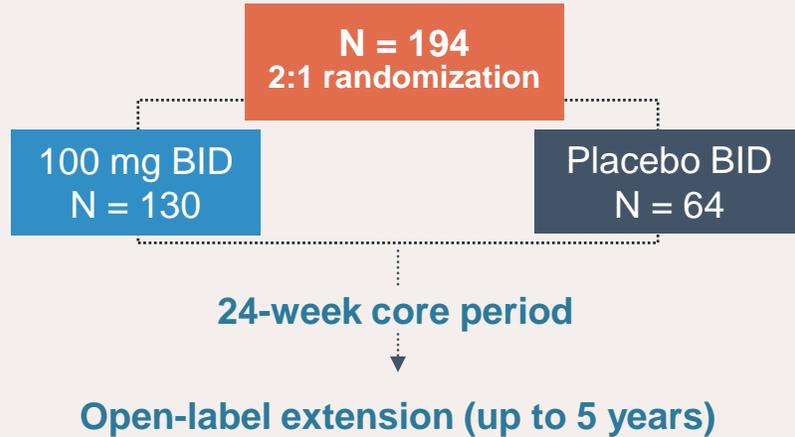


Abbreviations: BID = twice daily; Hb = hemoglobin; SCPC = sickle cell pain crises; HU = hydroxyurea

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

⁽³⁾ Randomization stratification factors: Number of SCPCs in the prior year (< 5, ≥ 5), hydroxyurea use (yes, no).

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



Primary endpoint

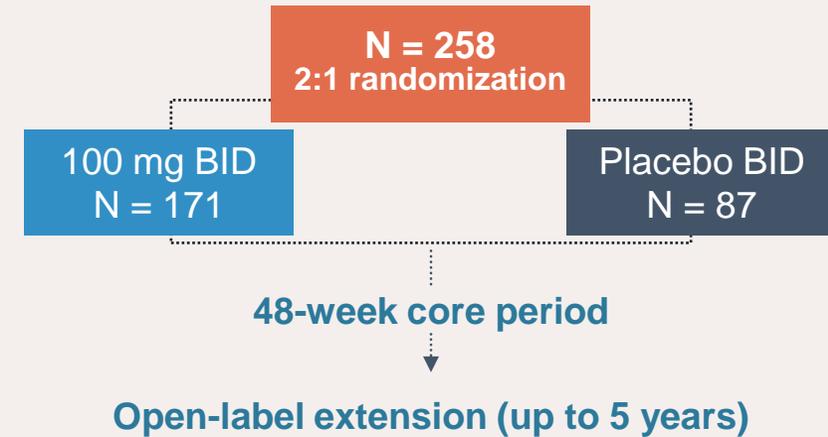
- Mean Hb ↑
≥ 1 g/dL from baseline

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

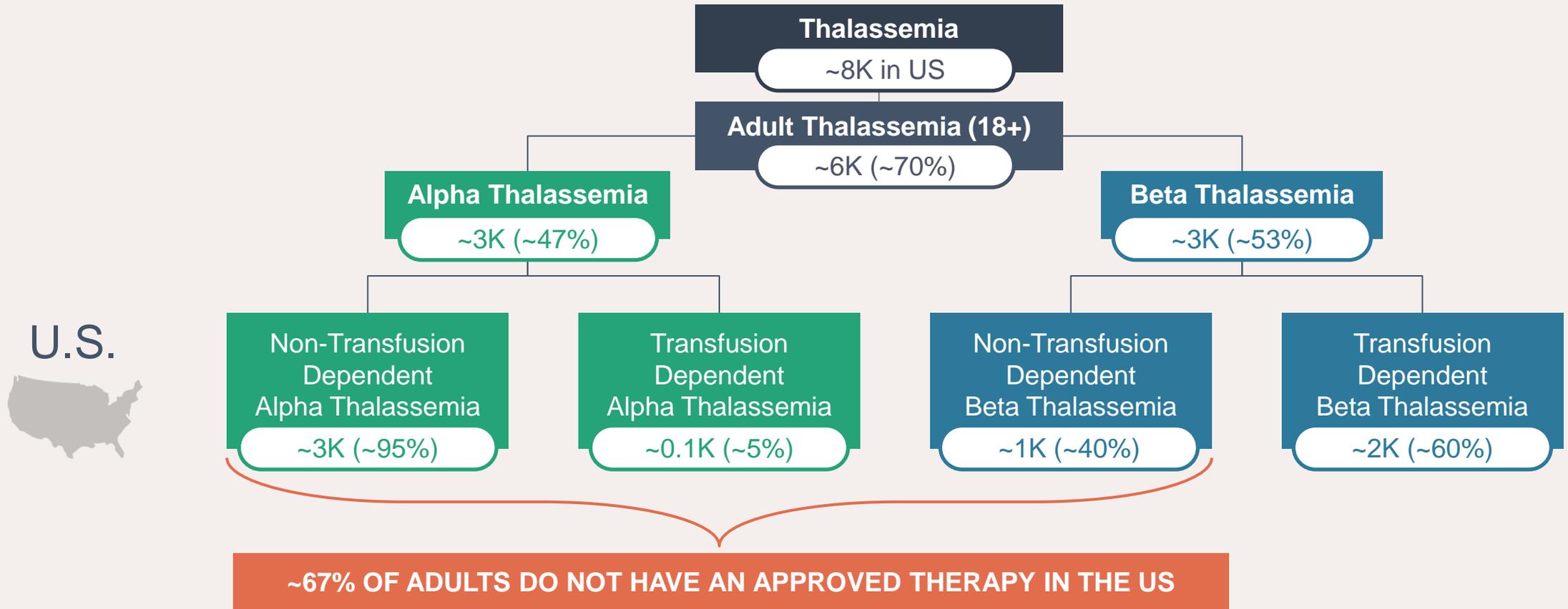
Secondary endpoints

- 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

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

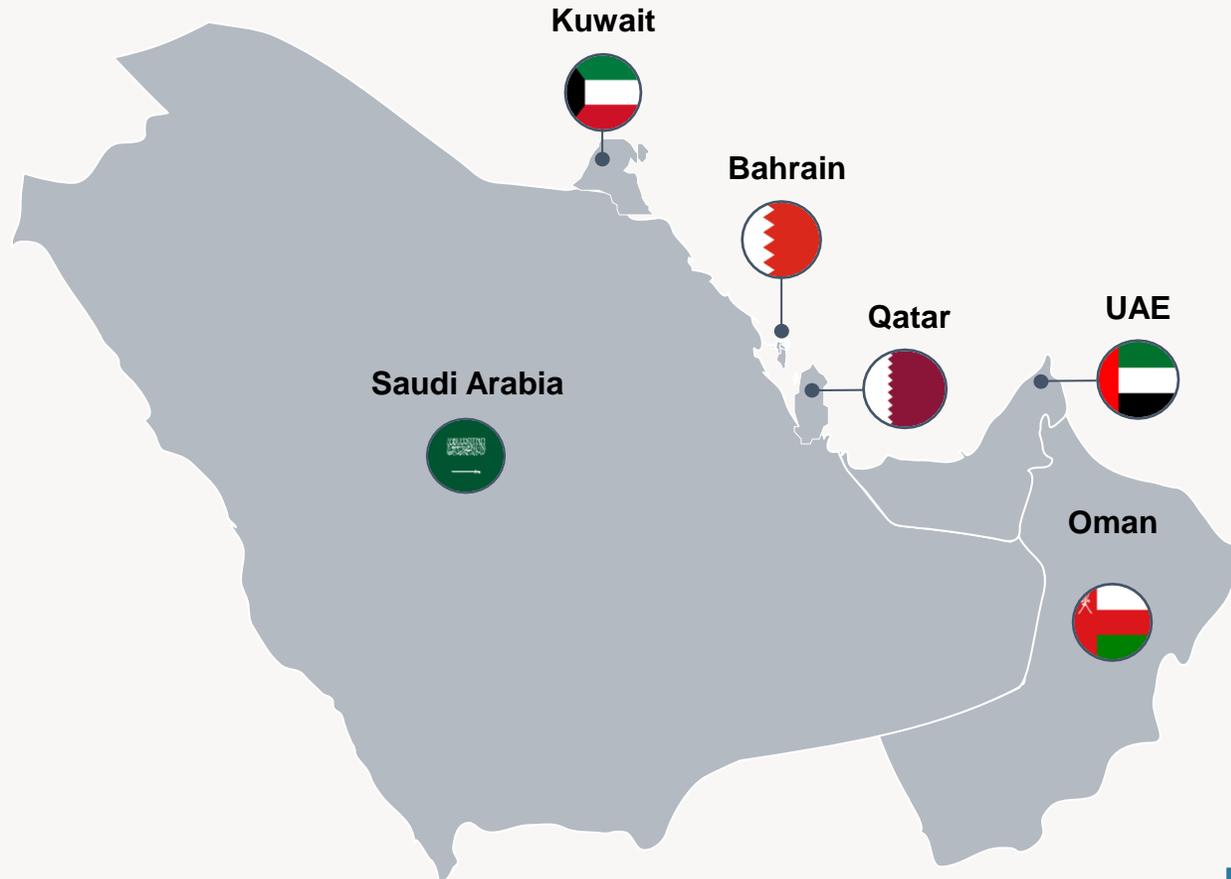


Approved treatment in US*	✗	✗	✗	✓
PYRUKYND potential label	✓	✓	✓	✓

Beta-THAL prevalence: HEOR Global THAL Epidemiology SLE (XCENDA, 2021); US: Paramore, et.al; Alpha-THAL prevalence: Agios internal estimates; LEK Analysis | Beta-THAL TD/NTD split (60% / 40%): Thuret, et.al., Haematologica 2010; Magnolia TPP MR, April 2020 | Alpha-THAL TD/NTD split: Taher, et.al., Vox Sanguinis, 2015; Magnolia TPP MR, April 2020. PYRUKYND[®] is under investigation for thalassemia and is not approved anywhere for that use. *Note: Reblozyl also approved in non-transfusion dependent beta-thalassemia EU

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

Pediatric PK Deficiency Program: Two Phase 3 Studies Evaluating Regularly Transfused and Not Regularly Transfused Pediatric Patients with PK Deficiency

ACTIVATE-Kids

N = 30
2:1 randomization

Mitapivat BID

Placebo BID

20-week double-blind period

8 weeks dose titration and 12 weeks fixed dose

Primary endpoint

- ≥ 1.5 g/dL (0.93 mmol/L) increase in Hb concentration from baseline that is sustained at 2 or more scheduled assessments at weeks 12, 16 and 20 during the double-blind period

Secondary endpoints

- Additional measures of Hb \uparrow , hemolysis, HRQOL, iron metabolism, safety, PK/PD

Key inclusion criteria

- Aged 1 to <18 years
- Clinical laboratory confirmation of PK deficiency
- Not regularly transfused defined as ≤ 5 RBC transfusion episodes during the 52-week period before informed consent/assent and no RBC transfusions ≤ 12 weeks prior to randomization
- Hb ≤ 10 g/dL for subjects 12 to <18 years of age or ≤ 9 g/dL for subjects 1 to <12 years of age

ACTIVATE-KidsT

N = 45
2:1 randomization

Mitapivat BID

Placebo BID

32-week double-blind period

8 weeks dose titration and 24 weeks fixed dose

Open-label extension (up to 5 years)

Completed;
data readout
August 2024

Primary endpoint

- $\geq 33\%$ reduction in the total RBC transfusion volume from Week 9 through Week 32 of the double-blind period normalized by weight and actual study drug duration compared with the historical transfusion volume standardized by weight and to 24 weeks

Secondary endpoints

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

Key inclusion criteria

- Aged 1 to <18 years
- Clinical laboratory confirmation of PK deficiency
- Regularly transfused defined as 6 to 26 RBC transfusion episodes during the 52-week period before informed consent/assent

Phase 2b Open-Label Study of Tebapivat (AG-946) in Lower-Risk MDS (enrolling)

Phase 2b

Primary endpoint:

Transfusion independence, defined as transfusion-free for ≥ 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

Key inclusion criteria

- ≥ 18 years of age
- Lower-risk MDS (risk score: ≤ 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

Tebapivat (AG-946) Treatment Period

Dose Level 1
10mg QD
Core Period

Dose Level 1
10mg QD
Extension Period

Tebapivat (AG-946) Treatment Period

Dose Level 2
15mg QD
Core Period

Dose Level 2
15mg QD
Extension Period

Tebapivat (AG-946) Treatment Period

Dose Level 3
20mg QD
Core Period

Dose Level 3
20mg QD
Extension Period

Core Period: **24 Weeks**

Extension Period: **156 Weeks**

N=60

*Completion of enrollment in one cohort triggers the opening of enrollment in the next cohort

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
ongoing

**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