



## **Corporate Presentation**

JP Morgan Healthcare Conference 2024

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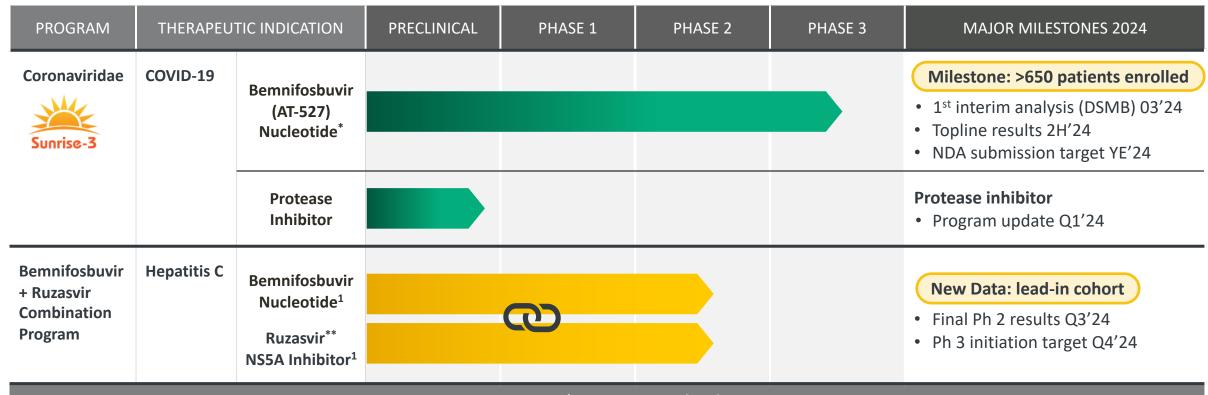
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#### **Industry Information**

Market data and industry information used throughout this presentation are based on management's knowledge of the industry and the good faith estimates of management. We also relied, to the extent available, upon management's review of independent industry surveys and publications and other publicly available information prepared by a number of third-party sources. All of the market data and industry information used in this presentation involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. Although we believe that these sources are reliable, we cannot guarantee the accuracy or completeness of this information, and we have not independently verified this information. While we believe the estimated market position, market opportunity and market size information included in this presentation are generally reliable, such information, which is derived in part from management's estimates and beliefs, is inherently uncertain and imprecise. No representations or warranties are made by the Company or any of its affiliates as to the accuracy of any such statements or projections. Projections, assumptions and estimates of our future performance and the future performance of the industry in which we operate are necessarily subject to a high degree of uncertainty and risk due to a variety of factors, including those described above. These and other factors could cause results to differ materially from those expressed in our estimates and beliefs and in the estimates prepared by independent parties.

## Focused Antiviral Pipeline, Fully Funded Through Key Inflection Points

✓ Advancing innovative oral therapeutics that address the unmet medical needs of patients with serious viral diseases



Cash, cash equivalents & marketable securities: \$595.1M at 9/30/23 -- Cash runway anticipated through 2026

<sup>\*</sup>Bemnifosbuvir (generic name for AT-527) is a double prodrug nucleotide analog. \*\* Worldwide exclusive license for all uses from Merck.





## **Atea's Compelling Value Proposition**

Advancing Oral Antiviral
Therapies with Multibillion
Dollar Market Opportunities

**COVID-19** continues with projected **~\$4-5B** global market opportunity

**HCV:** ~\$3.5B global net sales in 2022; ~2.4M estimated to have HCV in US

Innovative Therapies
Advancing to Address
Unmet Medical Needs

Global Phase 3 SUNRISE-3 trial evaluating bemnifosbuvir for treatment of COVID-19 in high-risk patients

**Global Phase 2** combination trial for bemnifosbuvir + ruzasvir in HCV patients

Well-Capitalized with Strong Balance Sheet

\$595.1M in cash, cash equivalents and marketable securities as of 9/30/23

Fully funded through major inflection points with cash runway anticipated through 2026

Advancing a Focused Pipeline of Innovative Oral Antiviral Therapeutics
Targeting Multibillion Dollar Markets to Deliver Significant Shareholder Value



#### **HEPATITIS C**

Program Update: Potential Best-in-Class Pan-Genotypic Regimen



- Phase 2 Open Label Study of Bemnifosbuvir + Ruzasvir
- New Data From Lead-in Cohort



## **HCV**

# **Continues to be a Health Crisis in US**

Recognized ongoing unmet needs by US healthcare providers

#### **UNMET MEDICAL NEED in US:**

~ 2.4M estimated to have HCV

New and reinfection rates exceed cures

#### **Best-in-Class Target Profile - Bemnifosbuvir + Ruzasvir**

- Short 8-week treatment with lower daily pill burden
- Potential for fewer side effects, low risk for drug-drug interactions and no food effect
- Protease inhibitor-free treatment

### **Global Market Opportunity:**

\$3.5B net sales in 2022 Primarily

2

product

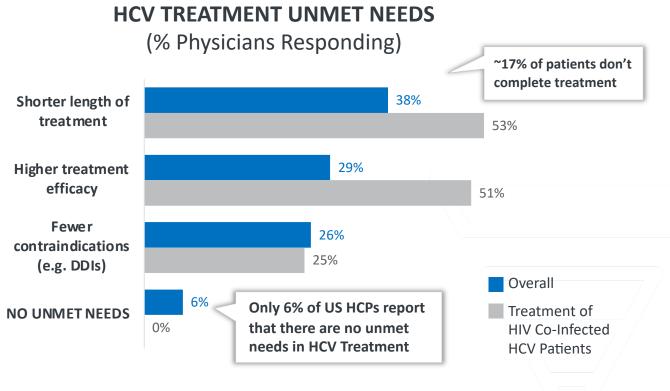
market

No competitors in clinical development



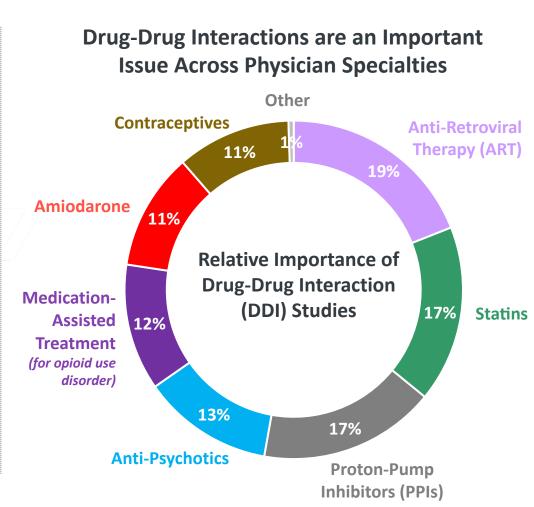
#### Market Research Shows Substantial Unmet Needs in HCV Treatments

Only 6% of US Healthcare Providers Satisfied with Current Treatments





- Treated at least 25 HCV patients in previous 12 months
- Initiated 15+ HCV Patients on DAA Treatment in the previous 12 months
- Prescribed Epclusa or Mavyret to at least 50% of their eligible patients in the previous 12 months





### Phase 2 Open Label Study of Bemnifosbuvir + Ruzasvir in HCV Patients

Study Design: Open label combination
N=280: including a lead-in cohort

Ruzasvir 180 mg QD

8 weeks dosing w/combination

#### **Patient Population:**

- HCV-infected patients, including compensated cirrhosis
- Direct-acting antiviral naïve
- All genotypes

#### **Initial Lead-in Cohort:**

- Safety and tolerability
- Sustained virologic response (SVR) at Week 4 post-treatment (SVR4)

#### **Primary Endpoints:**

- SVR at Week 12 post-treatment (SVR12)
- Safety

#### **Other Endpoints:**

- Virologic failure
- SVR at Week 24 post-treatment (SVR24)
- Resistance



## Patient Demographics and Baseline Characteristics Phase 2 Open Label Study of BEM + RZR

Patient Prof	ile	Total (N=60)		
Mean age, yrs (range)		48.5 (25-79)		
Mean BMI, kg/m <sup>2</sup> (range)		26.1 (18.9-47.1)		
Male/Female, n (%) / n (%)		34 (56.7) / 26 (43.3)		
Race, n (%)	White	57 (95)		
	Black	1 (1.7)		
	Asian	2 (3.3)		
DAA-naïve, n (%)		60 (100)		
HCV genotype, n (%)	<b>1</b> a	6 (10)		
	1b	38 (63.3)		
	1*	1 (1.7)		
	2	2 (3.3)		
	3	13 (21.7)		
Fibrosis Stage, n (%)	FO	9 (15)		
	F1	26 (43.3)		
	F2	15 (25)		
	F3	10 (16.7)		

- Lead-in cohort comprised of non-cirrhotic patients only
- Compensated cirrhotic patients will be enrolled in second part of Phase 2 study



## 98% SVR4 (Post-Treatment) Observed in All Genotypes Phase 2 Open Label Study of BEM + RZR



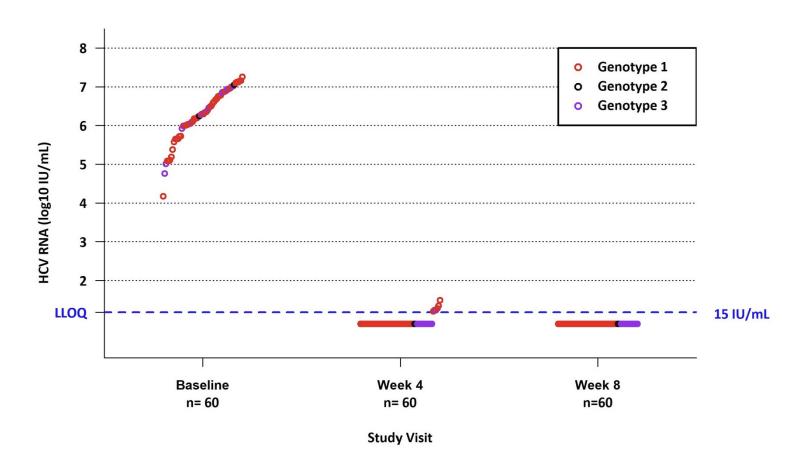
Initial SVR4 data from 52 of the 60 patients

- 98% SVR4 rate with 8 weeks treatment
- 1 genotype 2 subject with poor adherence did not achieve SVR4 (lower pill consumption and inadequate PK drug levels)

**LLOQ**=Lower limit of quantification



## On-Treatment Viral Kinetics – Individual Patient Data Phase 2 Open Label Study of BEM + RZR



- All patients (n=60) near or below LLOQ by Week 4
- BEM + RZR kinetics compare favorably to Mavyret<sup>1</sup>, the only approved 8-week treatment for HCV
- Very rapid kinetics across genotypes support an 8-week regimen

**LLOQ**=Lower limit of quantification

1. Sarrazin et.al; Presented at ID Week 2018



## Safety Summary Phase 2 Open Label Study of BEM + RZR

- All patients (n=60) completed the 8-week treatment period
- Bemnifosbuvir + RZR was generally safe and well tolerated
- No drug-related SAEs or premature treatment discontinuations
- No trends observed in adverse events (mostly mild) and safety laboratory parameters



## **Global Phase 2 Open Label Trial Update**

Bemnifosbuvir + Ruzasvir: Potential Best-in-Class Pan-genotypic Regimen

On track to achieve interim efficacy criterion (>90% SVR4) leading to re-initiation of enrollment to complete Phase 2 study (total n=280) **Activation of ~50 clinical sites in ~15 countries** on
track for completion
of Phase 2 study

- Preparing for Phase 3 study, initiation anticipated Q4'24
- Fixed dose combination tablet clinical selection study ongoing in US

- ✓ Bemnifosbuvir is being developed as the most potent nucleotide inhibitor for HCV¹
- ✓ Ruzasvir, an NS5A inhibitor, is a highly potent drug candidate<sup>2</sup>



### COVID-19

## Bemnifosbuvir Phase 3 Program



- COVID-19 Unmet Medical Need
- Major Milestone Achieved for Global Phase 3 SUNRISE-3 Trial



## COVID-19

Continuing Threat,
Particularly for Those
Vulnerable to Severe Disease

New, Safe and Well-Tolerated
Oral Therapies Needed

#### **UNMET MEDICAL NEED:**

- Drug-drug interactions
- Safety concerns
- Tolerability issues

#### **Bemnifosbuvir Target Profile:**

- Low risk of drug-drug interactions
- Generally safe and well-tolerated
- Distinct MOA with high barrier to resistance

#### **Oral Antiviral Global Market Opportunity:**

~\$4-5B

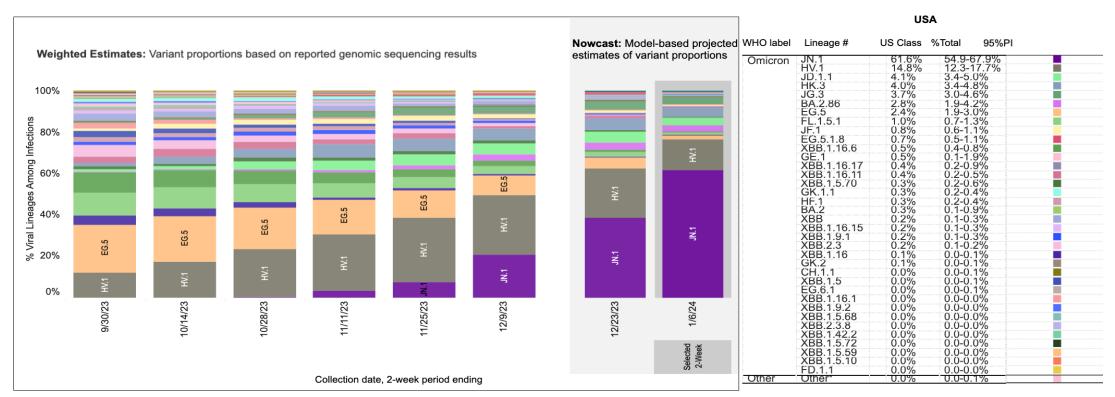
product market Opportunity to expand market with improved product profile



## **COVID-19 Variants Continue to Rapidly Emerge Creating Waves of Infection**

Weighted and Nowcast Estimates in United States for 2-Week Periods in 9/17/2023 - 1/6/2024

Nowcast Estimates in United States for 12/24/2023 – 1/6/2024



<sup>\*</sup> Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one 2-week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all 2-week periods displayed.

<sup>#</sup> While all lineages are tracked by CDC, those named lineages not enumerated in this graphic are aggregated with their parent lineages, based on Pango lineage definitions, described in more detail here: https://www.pango.network/the-pango-nomenclature-system/statement-of-nomenclature-rules/.



# Bemnifosbuvir Remains Fully Active Against Omicron Subvariants, with Similar EC<sub>90</sub> Target Concentrations

SARS-CoV-2 Variant		AT-511 EC <sub>90</sub>	, μM (n)	Feld shares tracing this a Wash
Variant	Lineage	Mean	SD	Fold change (variant/USA-WA1)
Original (USA-WA1/2020)	А	0.75 (n=2)	0.21	-
Alpha	B.1.1.7	2.15 (n=3)	0.22	2.9
Gamma	P.1	2.50 (n=3)	0.50	3.3
Epsilon	B.1.427	0.76 (n=2)	0.48	1.0
Original (USA-WA1/2020)	А	0.43 (n=2)	0.12	
Beta	B.1.351	0.80 (n=2)	0.23	1.9
Original (USA-WA1/2020)	А	1.20 (n=3)	0.37	-
Delta	B.1.617.2	1.36 (n=3)	0.34	1.1
Original (USA-WA1/2020)	А	0.58 (n=5)	0.26	-
Omicron (BA.1)	B.1.1.529	0.50 (n=3)	0.27	0.86
Original (USA-WA1/2020)	А	0.59 (n=2)	0.18	-
Omicron (BA.2)	B.1.1.529	0.54 (n=2)	0.08	0.92
Original (USA-WA1/2020)	А	0.88 (n=2)	0.15	-
Omicron (BA.4)	B.1.1.529	0.54 (n=2)	0.27	0.61
Omicron (BA.5)	B.1.1.529	0.81 (n=2)	0.20	0.92
Original (USA-WA1/2020)	А	0.96 (n=3)	0.17	-
Omicron (XBB)	B.1.1.529+BA	1.06 (n=4)	0.21	1.1
Original (USA-WA1/2020)	Α	0.78 (n=2)	0.11	-
Omicron (EG.5.1)	EG.5+EG.5	1.10 (n=2)	0.26	1.42

#### EC<sub>90</sub> = effective concentrations inhibiting 90% of viral replication

Readout: VYR (virus yield assay); Cells: Normal human-derived tracheal/bronchial epithelial cells. AT-511 is the free base of bemnifosbuvir nsp12 (RdRp) is highly conserved across all tested variants, with only changes in P323L (all) and G671S (Delta, Omicron XBB and EG.5.1)



## **COVID-19: Unmet Medical Need Remains in High-Risk Population**

SUNRISE-3 **Only** Phase 3 Program in High-Risk Patients with Hospitalization as Primary Endpoint

- SUNRISE-3 Milestone: > 650 patients enrolled in monotherapy arm
  - First interim analysis (DSMB) 03'24
- ~60% of patients from US clinical sites
- Clear ongoing unmet medical need due to safety concerns, tolerability and drugdrug interactions associated with current options
  - CDC: high hospitalization rates for winter respiratory season 2023/2024<sup>1</sup>
  - COVID-19 ~50% of hospitalizations, flu & RSV other 50%
  - Low booster uptake: currently ~20% of US adults
  - Unmet medical need particularly important in most vulnerable patients including the elderly, immunocompromised and those with underlying risk factors





## SUNRISE-3: Global Phase 3 Trial in High-Risk COVID-19 Outpatients Bemnifosbuvir – U.S. Fast Track Designation for COVID-19

Inclusion Criteria: High-risk outpatients with mild or moderate COVID-19, regardless of vaccination status; symptom onset ≤5 days before randomization

**Geography:** US, Europe, Japan and ROW

Randomization



Bemnifosbuvir 550 mg BID + SOC

Placebo BID + SOC

**Enrollment Ongoing** 



5 days of dosing with BEM or placebo

#### **Phase 3 Study Design:**

- Randomized, double-blind, placebo-controlled
- Bemnifosbuvir or placebo initiated same time as locally available standard of care (SOC)
- Two study populations:
  - monotherapy (primary analysis)
  - combination therapy (secondary analysis, local SOC includes treatment with other antiviral drugs against COVID-19)
- Two interim analyses for DSMB review (safety, futility)

**High-risk outpatients:** ≥70, ≥55 w/ one+ risk factors, ≥50 with two+ risk factors, ≥18 immunocompromised conditions

#### **Primary Endpoint:**

All-cause hospitalization or death through Day 29 in monotherapy arm (n=~2,200 patients)

#### **Secondary Endpoints:**

- COVID-19 related hospitalizations and deaths
- Medically attended visits
- Symptom rebound / relapse
- Viral load rebound



COVID-19

US Oral Antiviral Market Opportunity for COVID-19



### Robust US TRx Scripts of COVID-19 Oral Antivirals Reflects Demand

**US Demand: Monthly COVID-19 Oral Antiviral Prescriptions Dispensed** (thousands) 1,600 2023 Total 1,400 US Covid TRx's 128 ~7M 1,200 Thousands 800 600 400 **751** 614 573 200 Paxlovid Lagevrio



## US Market Expected to Remain a Long-Term Multi-Billion Dollar Opportunity

#### Projected Annual US COVID-19 Oral Antiviral (OAV) Retail Demand<sup>1</sup>



~7M+
Annual US Retail Rxs
Annualized COVID-19 OAV Rxs<sup>1</sup>



**Cost of Treatment<sup>2</sup>** 

(Paxlovid: \$1,390 Lagevrio: \$950)





~\$4-5B

#### **Expanded Market Opportunities**

Paxlovid™ Drug-Drug
Interactions are a Concern

**590M** 

Annual US retail prescriptions (2022)<sup>3</sup> for commonly used drug classes where Paxlovid DDI is a concern

seizure medications, anti-arrhythmics, statins, oral corticosteroids, cancer therapies, etc.



Better safety and tolerability profile could lead to broader use



Increased promotion & awareness



No testing needed for prescription



<sup>(1)</sup> IQVIA TRxs for Paxlovid and Lagevrio from Jan'23–Sep'23 annualized for full year

<sup>(2)</sup> Cost of Treatment per Rx for both Paxlovid and Lagevrio assumed at the Pfizer announced price of \$1,390

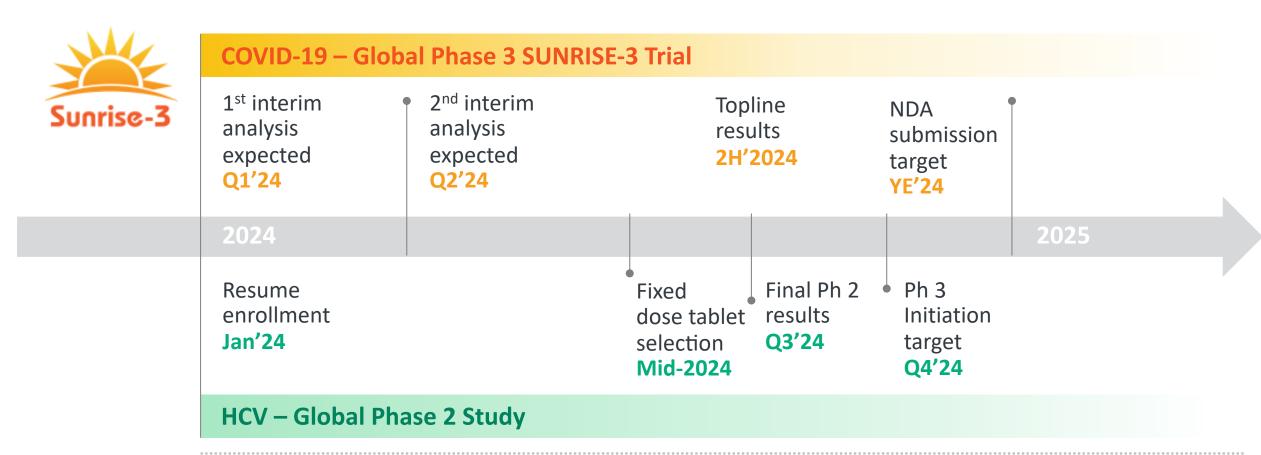
<sup>(3)</sup> IQVIA TRxs for 2022



## **Closing Remarks**



# Significant Near-term Clinical Milestones Fully funded Through Key Inflection Points



\$595.1 M

Cash, cash equivalents & marketable securities at 9/30/23

Cash runway anticipated through 2026



