

**EMPOWERING** 

# muscle

**EMPOWERING** 

# lives



# Forward-Looking Statements

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# **Our Mission**

To bring forward new medicines to improve the healthspan of people with devastating cardiovascular and neuromuscular diseases of impaired muscle function.

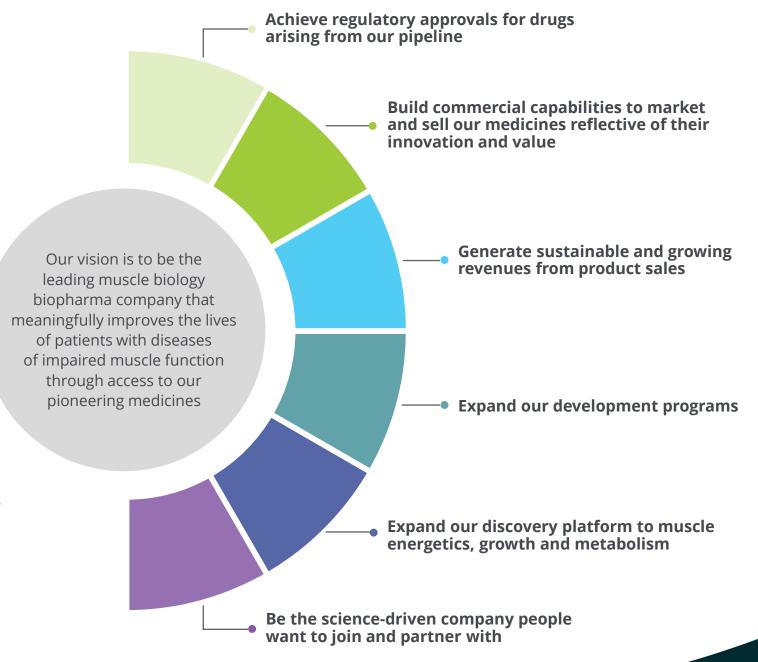


# VISION 2025

Leading with Science,

# **Delivering for Patients**

As always, we will support disease advocacy groups elevating the patient voice and live by our values of integrity, fairness and compassion in all that we do.





# A Commitment to Muscle-Directed Cardiac Medicines

## Building a specialty cardiology franchise anchored by aficamten

Protein Targ	get Therapeutic Area	Drug Candidate	Research	Pre-Clinical	Phase 1	Phase 2	Phase 3	Approval
Myosin	оНСМ	Aficamten						Expect regulatory submissions in 2H 2024
	oHCM (First-line*)	Aficamten						
Myosin-Ta	Pediatric oHCM argeted	Aficamten						
Therapy	nHCM	Aficamten						
	HFpEF	СК-586						
	HFrEF	Omecamtiv Mecarbil						
Other Bio	logy Muscle Biology Directed	Research						

<sup>\*</sup>Pending results from MAPLE-HCM, an ongoing Phase 3 clinical trial evaluating for the potential superiority of aficamten as monotherapy compared to metoprolol as monotherapy in patients with obstructive HCM. **All drug candidates above are investigational products and are not approved as safe or effective for any indication.** 



# Strong Financial Position

### Strengthened balance sheet & access to capital to execute launch & advance R&D pipeline

June 30, 2024

~\$1.4B in cash, cash equivalents and investments

Further access to capital through term loans with RP

New \$175M\* term loan facilities, in addition to previously existing \$175M\*\* in unutilized term loan facilities, together provide up to \$350M in additional unutilized term loans with Royalty Pharma (RP)

Potential further funding through RP opt-in

RP, at its option, can invest up to **\$150M** in a Phase 3 trial of CK-586 in exchange for an additional\*\*\* 3.5% revenue participation interest in worldwide net sales of CK-586

Add'l **\$500M** 

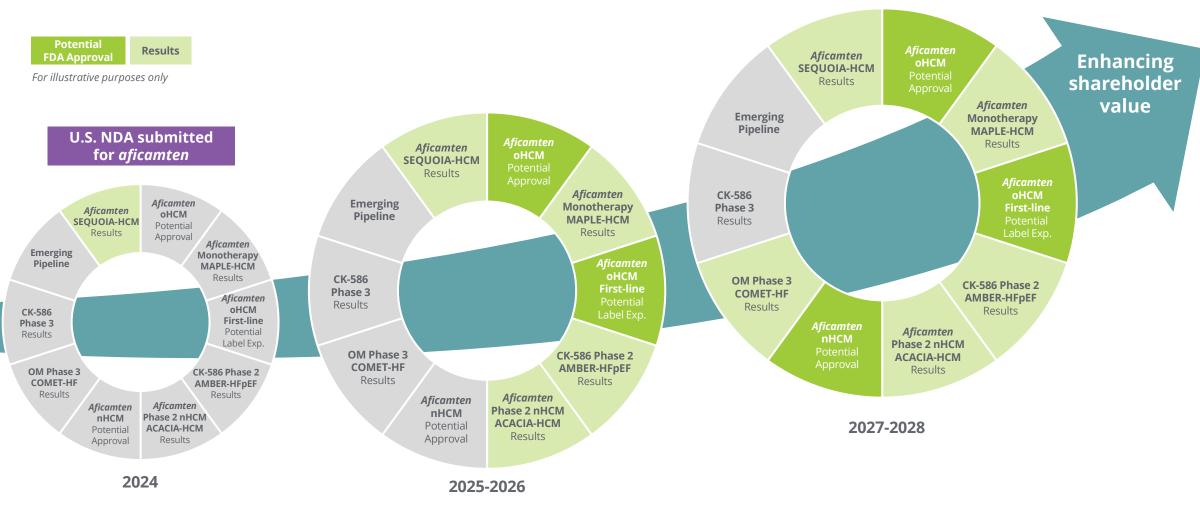
\*Tranche 7 Loan: Cytokinetics, at its option, is eligible to draw up to \$175m during the 1-year period following the FDA approval of aficamten for oHCM provided that the NDA is approved on or prior to December 31, 2025.

\*\*Tranche 4 & 5 Loans: Cytokinetics is eligible to draw up to \$75m by April 30, 2025 from tranche 4. The minimum draw for tranche 4 is \$50m. Cytokinetics, at its option, is eligible to draw up to \$100m during the 1-year period following the acceptance of the NDA filing for aficamten provided that the NDA filing is accepted on or prior to March 31, 2025.

\*\*\* Royalty Pharma currently has a revenue participation interest of 1.0% of worldwide net sales of CK-586.



# Myosin Platform Fuels Multiple Milestones and Increased Value



Aficamten, omecamtiv mecarbil and CK-586 are investigational drugs and are not approved by any regulatory agency. Their safety and efficacy have not been established.



# Cytokinetics Poised to Compete in the Specialty Cardiology Business

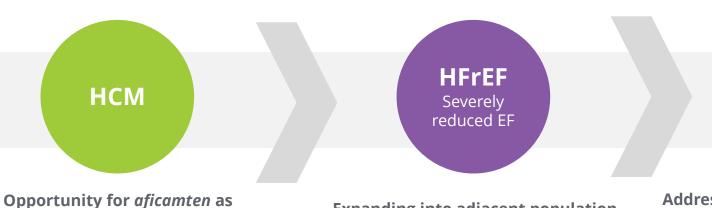
## Potential for high return on investment

	Broad Cardiology	Specialty Cardiology	
<b>Example Therapies</b>	Heart failure, cholesterol, blood thinner	HCM, TTR amyloidosis	
Prescribers	Broad: Cardiologists, PCPs (50K+)	Concentrated: Subset of cardiologists (~10K)	
ROI / Prescriber	Limited	High	
Distribution	Retail	Limited, specialty distributor	
Customer-Facing Reps	Entry level	Highly experienced	
Support Services	Standard: Affordability / copay  High-touch: Financial, education, journ		
Managed Care	Competitive/high rebates	Managed to label	
Diagnosis	High awareness and diagnosis rate	Limited awareness with high % undiagnosed	
HCP - Rep Interactions Brief features/benefits		Comprehensive broad-based discussion	



# Addressing Difficult to Treat Populations Within Heart Failure

Specialty cardiology franchise strategy applies to markets with similar characteristics



✓ Few available therapies

the anchor

- ✓ Significant unmet need
- ✓ Concentrated market
- ✓ Tractable customer base
- ✓ Payers manage to label

Few available therapies

**Expanding into adjacent population** 

- ✓ Significant unmet need
- ✓ Tractable customer base
- ✓ Payers manage to label

Addressing underserved segment of HF market

**HFpEF** 

Supranormal EF

- ✓ Few available therapies
- ✓ Significant unmet need
- ✓ Concentrated market
- ✓ Tractable customer base
- ✓ Payers manage to label

Severely reduced EF

**Normal EF** 

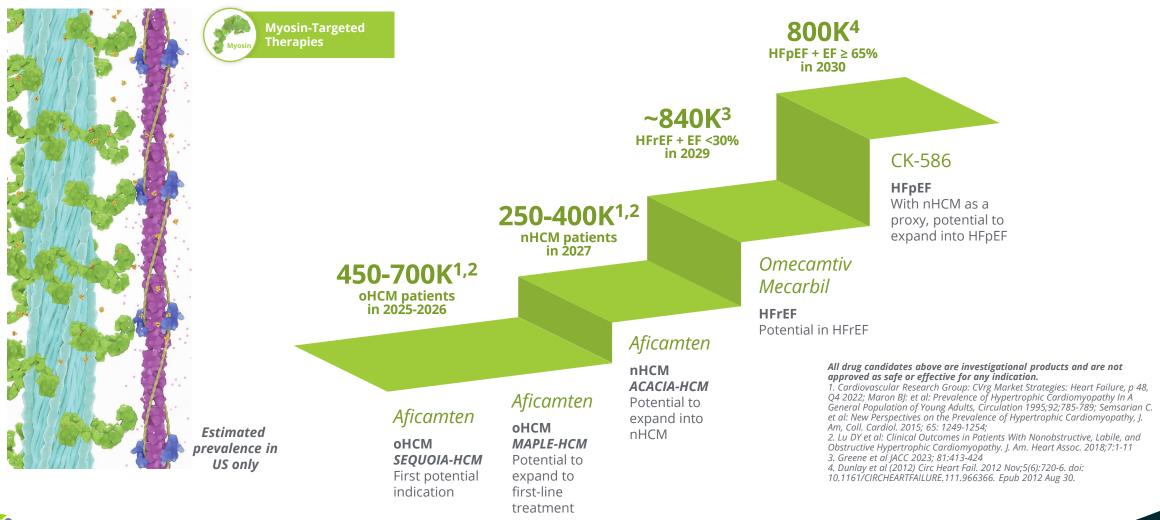
Supranormal EF

Aficamten, omecamtiv mecarbil and CK-586 are an investigational drugs and are not approved by any regulatory agency. Their safety and efficacy have not been established.



# Building a Specialty Cardiology Franchise Anchored by Aficamten

Potential patient market for specialty cardiology franchise strategy

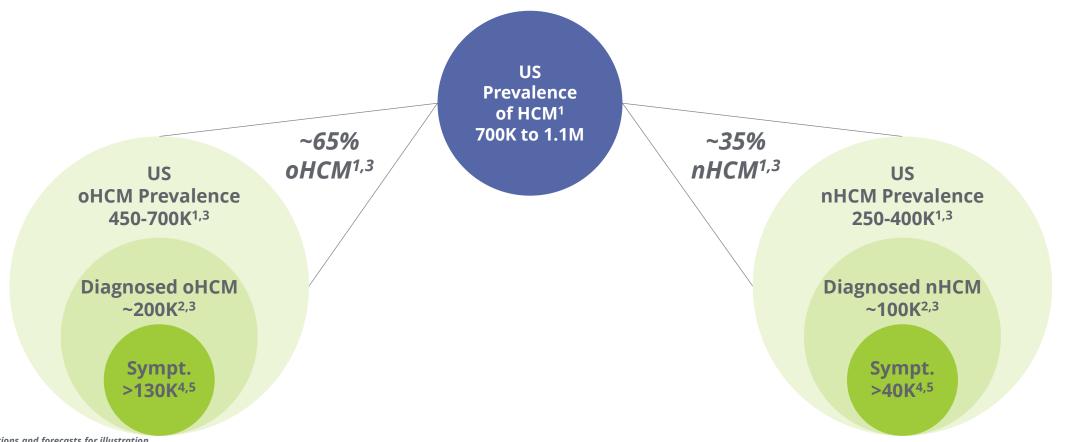




# **Aficamten**



# Opportunity for CMIs in Diagnosed, Symptomatic HCM Patients



#### Projections and forecasts for illustration.

- 1. Cardiovascular Research Group: CVrg Market Strategies: Heart Failure, p 48, Q4 2022; Maron BJ: et al.: Prevalence of Hypertrophic Cardiomyopathy In A General Population of Young Adults, Circulation 1995;92;785-789; Semsarian C. et al. New Perspectives on the Prevalence of Hypertrophic Cardiomyopathy, J. Am, Coll. Cardiol. 2015; 65: 1249-1254;
- 2. DoF: SHA; Symphony PTD (Patient Transaction Data): Includes patients diagnosed since 2016 and having any HC transaction in the claims data universe in the last year June 2022-May 2023);
- 3. Lu DY et al: Clinical Outcomes in Patients With Nonobstructive, Labile, and Obstructive Hypertrophic Cardiomyopathy. J. Am. Heart Assoc.2018;7:1-11
- 4. DoF: SHA Symphony PTD (Patient Transaction Data) includes any patients with symptoms in the last 2 years: anglina, dyspnea, fatigue, palpitations, syncope, tachycardia; and/or treatments in the past 2 years: bb, ccb, dyso, ralo, Camzyos; 5. DoF Primary market research: 443 HCPs treating HCM % of nHCM patients not considered under control with current SOC.



# Aficamten: Aspirational Target Profile Potential next-in-class cardiac myosin inhibitor



Rapid onset



Rapid reversibility



**Speed to** optimal dose



**Predictable** dose response



No teratogenicity



No clinically meaningful **P450 liabilities** 

Aspirational information. Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



# SEQUOIA-HCM: Phase 3 Trial



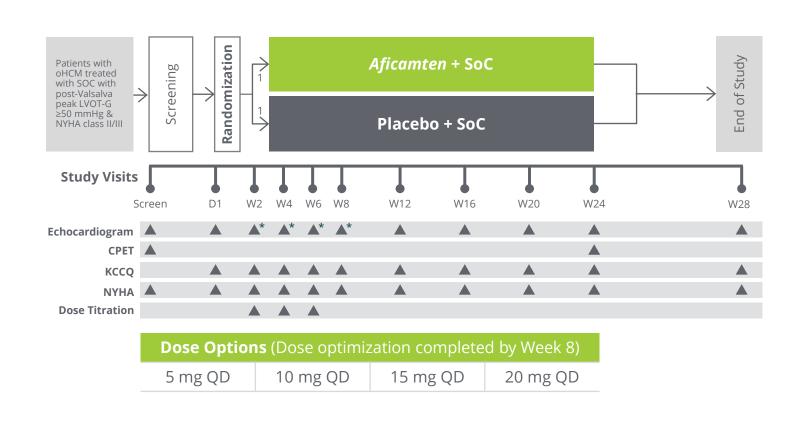
Primary endpoint: Change in pVO<sub>2</sub> by CPET from baseline to Week 24

Secondary objectives include measuring change in KCCQ & improvement in NYHA class at week 12 and 24

Enrolled 282 patients treated with standard of care with:

- resting LVOT-G ≥30 mmHg,
- post-Valsalva LVOT-G ≥50 mmHg,
- NYHA Class II or III,
- exercise performance <80% predicted

Individualized dose up-titration based on echocardiography: LVEF ≥55%, post-Valsalva LVOT-G ≥30 mmHg







# SEQUOIA-HCM: Baseline Characteristics



Placebo

n=140

Aficamten

### Baseline characteristics reflect highly symptomatic patient population with reduced exercise capacity

- Significant symptom burden despite background therapy
- 61% of patients on **beta-blockers**
- Baseline pVO<sub>2</sub>
   reflects patient
   population with
   reduced exercise
   capacity

	<i>Aficamten</i> n=142	Placebo n=140	
Age, y	59.2 ± 12.6	59.0 ± 13.4	
Female sex, n (%)	56 (39.4)	59 (42.1)	
Race, n (%)			
White	108 (76.1)	115 (82.1)	
Geographic region, n (%)			
North America	49 (34.5)	45 (32.1)	
China	24 (16.9)	22 (15.7)	
Europe and Israel	69 (48.6)	73 (52.1)	
Medical history, n (%)			
Hypertension	75 (52.8)	70 (50.0)	
Paroxysmal atrial fibrillation	21 (14.8)	20 (14.3)	
Permanent atrial fibrillation	2 (1.4)	1 (0.7)	
CPET			
pVO <sub>2</sub> (mL/kg/min)	18.5 (4.5)	18.6 (4.5)	
Percent of predicted pVO <sub>2</sub> (%)	58 (13)	57 (12)	

	11 1 74		
Background HCM therapy, n (%)			
Beta-blocker	86 (60.6)	87 (62.1)	
Calcium channel blocker	45 (31.7)	36 (25.7)	
Disopyramide	16 (11.3)	20 (14.3)	
None	19 (13.4)	22 (15.7)	
KCCQ-CSS	76 ± 18	74 ± 18	
NYHA FC, n (%)			
II	108 (76.1)	106 (75.7)	
III/IV	34 (23.9)	34 (24.3)	
Median NT-proBNP (IQR), pg/mL	818 (377–1630)	692 (335–1795)	
Median hs-cTnl (IQR), ng/L	12.9 (7.6–33.6)	11.5 (7.7–25.0)	
<b>Echocardiographic parameters</b>			
Valsalva LVOT-G, mmHg	82.9 ± 32	83.3 ± 33	
Resting LVOT-G, mmHg	54.8 ± 27	55.3 ± 32	
LVEF, %	74.8 ± 5.5	74.8 ± 6.3	
Maximal LV wall thickness, mm	20.7 ± 3.0	21.0 ± 3.0	

Values are the mean ± SD unless otherwise indicated.

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024.



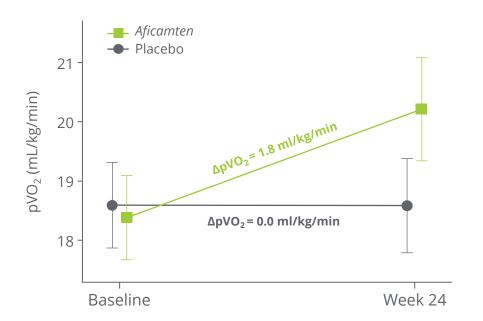
# SEQUOIA-HCM: Primary Endpoint



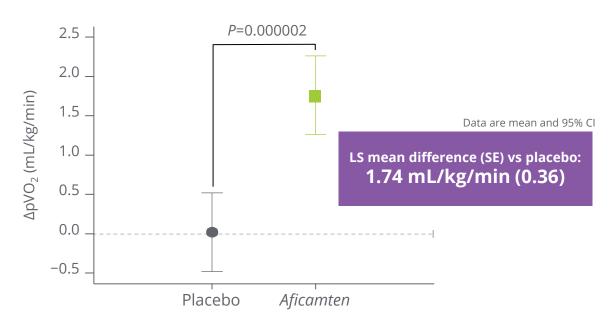
# Significant improvement in exercise capacity compared to placebo

#### Results presented at Heart Failure 2024 and published in NEJM

#### **Absolute Change from Baseline to Week 24**



#### LS mean Change from Baseline to Week 24



**Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.**Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024.



# SEQUOIA-HCM: Subgroup Analysis



#### Results consistent across all prespecified subgroups including patients receiving or not receiving background beta-blockers

	<b>n</b> (Afi/Plb)	<b>Aficamte</b> LS mean		Me	ean difference (95% CI)		<b>n</b> (Afi/Plb)	<b>Aficamten</b> LS mean	<b>Placebo</b> LS mean	Me	an difference (95% Cl)
<b>Age</b> <65 y ≥65 y	85/84 57/56	2.4 0.9	0.4 -0.5	<b>⊢=</b>	2.0 (1.1, 2.8) 1.4 (0.3, 2.5)	Baseline NT-proBNP (median) ≤ 788 pg/mL > 788 pg/mL	66/73 73/65	2.2 1.4	0.6 -0.6	<b>⊢■</b> →	1.7 (0.7, 2.7) 2.0 (1.0, 2.9)
<b>Sex</b> Male Female	86/81 56/59	2.5 0.6	0.7 -0.8	<b>⊢=</b> ⊢	1.8 (0.9, 2.7) 1.4 (0.4, 2.5)	<b>CPET Modality</b> Treadmill Bicycle	78/77 64/63	2.5 0.9	0.2 -0.1	<b>⊢=</b> ⊣	2.3 (1.4, 3.2) 1.0 (-0.0, 2.1)
Baseline BMI <30 kg/m² ≥30 kg/m²	97/94 45/46	1.9 1.4	0.1 -0.2	<b>⊢ → →</b>	1.8 (1.0, 2.7) 1.6 (0.3, 2.8)	Baseline Median pVO₂ ≤18.4 mL/kg/min >18.4 mL/kg/min	74/67 68/73	1.5 2.0	-0.1 0.1	<b>⊢=</b> ⊣ <b>⊢=</b> ⊣	1.6 (0.6, 2.5) 1.9 (1.0, 2.9)
Baseline Median LVEF ≤75.6% >75.6%	73/68 69/72	1.9 1.7	0.0 0.0	<b>⊢=</b> →	1.8 (0.8, 2.8) 1.6 (0.6, 2.6)	Yes No	86/87 56/53	1.4 2.2	-0.2 0.2	<b>⊢=</b> ⊣	1.6 (0.7, 2.5) 1.9 (0.8, 3.1)
Baseline NYHA FC Class II Class III /IV	108/106 34/34	2.0 1.0	0.3 -0.9	<b>├ड</b> ─┤	1.7 (0.9, 2.5) 1.9 (0.5, 3.3)	Baseline Resting LVOT (media ≤51.1 mmHg >51.1 mmHg	<b>n)</b> 72/69 70/71	1.8 1.7	0.5 -0.4	<b>├=</b> → <b> </b>	1.3 (0.3, 2.3) 2.1 (1.2, 3.1)
Baseline Median KCCQ-0 ≤78.1	<b>CSS</b> 67/75	1.7	-0.1	<b>⊢</b>	1.8 (0.8, 2.8)	<b>Genotype</b> Positive	20/22	1.6	-1.0	<b>⊢</b> ■	2.6 (0.9, 4.2)
>78.1 Interaction <i>P</i> values were >0.05 fo	75/65 or all prespecified su	1.8 ubgroups	0.1 Favors Placebo	Favors	1.7 (0.7, 2.6) Treatment	Negative	71/70	1.4	−0.1 Favors Placebo	Favors T	1.4 (0.5, 2.3) Treatment

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024.



# SEQUOIA-HCM: Secondary Endpoints



## Statistically significant improvements in all 10 pre-specified secondary endpoints

Endpoints	P value
Primary Endpoint	
pVO <sub>2</sub> change from baseline to Week 24	<0.0001
Secondary Endpoints	
1. KCCQ-CSS change from baseline to Week 24	<0.0001
2. NYHA Class Improvement by at least 1 class at Week 24	<0.0001
3. Valsalva LVOT-G change from baseline to Week 24	<0.0001
4. % Valsalva LVOT-G <30 mmHg at Week 24	<0.0001
5. Duration of SRT Eligible during 24 Weeks of Treatment	<0.0001
6. KCCQ-CSS change from baseline to Week 12	<0.0001
7. NYHA Class Improvement by at least 1 class at Week 12	<0.0001
8. Valsalva LVOT-G change from baseline to Week 12	<0.0001
9. % Valsalva LVOT-G <30 mmHg at Week 12	<0.0001
10. Total workload change from baseline to Week 24	<0.0001

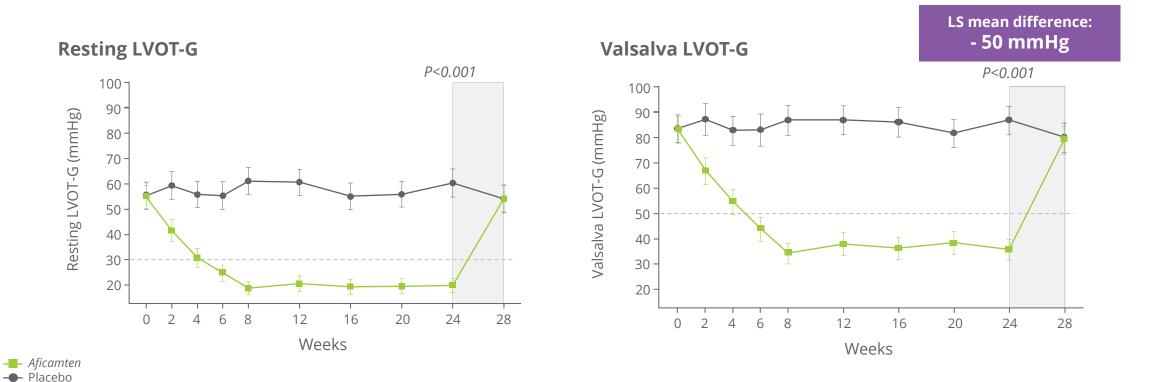
Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established. Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024.



# SEQUOIA-HCM: Secondary & Exploratory Endpoints SEQUOIA



### Significant improvement in gradients by ~60% with no significant adverse change in LVEF



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

From bars are 95% CI

Hegde S, et al. Impact of Aficamten on Echocardiographic Cardiac Structure and Function in Symptomatic Obstructive Hypertrophic Cardiomyopathy. JACC. 2024.

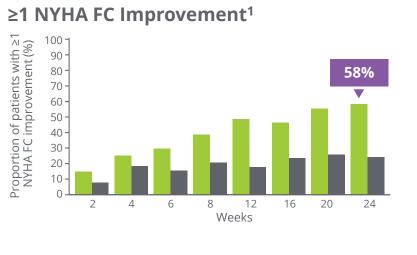


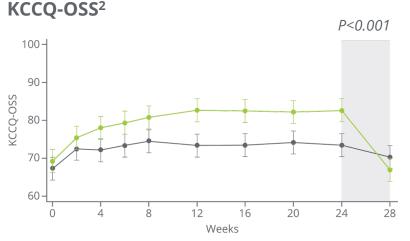
Washout

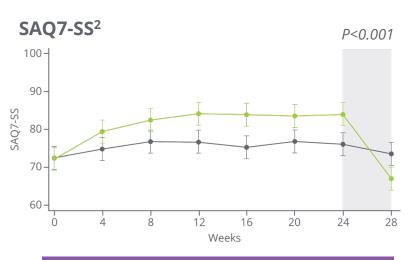
# SEQUOIA-HCM: Secondary & Exploratory Endpoints SEQUOIA



### Significant improvement in patient symptom burden and quality of life









**30% on** *aficamten* vs. 12% on placebo had an improvement of ≥20 points

**Mean difference** between *aficamten* & placebo = **7.8 points** 

**31% on** *aficamten* vs. 14% on placebo had an improvement of ≥20 points

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024.

Sherrod C, et al. Effect of Aficamten on Health Status Outcomes in Obstructive Hypertrophic Cardiomyopathy: Results from SEQUOIA-HCM. JACC. 2024.



Aficamten

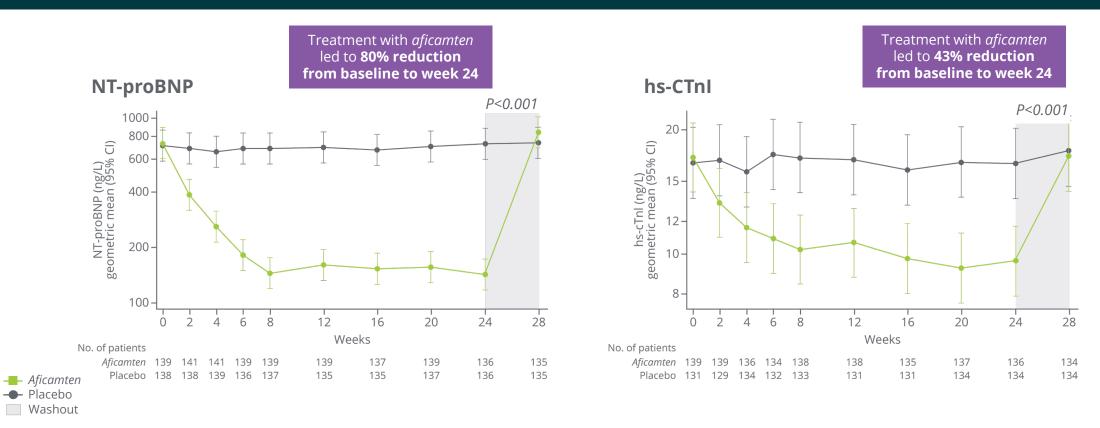
Washout

-- Placebo

# SEQUOIA-HCM: Improvement in Biomarkers



### Significant improvement in cardiac biomarkers indicative of cardiac wall stress & myocardial injury



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Coats CJ, et al. Cardiac Biomarkers and Effects of Aficamten in Obstructive Hypertrophic Cardiomyopathy: The SEQUOIA-HCM Trial. Eur Heart J. 2024



# SEQUOIA-HCM: Responder Analysis



### Significant improvement in exercise capacity and symptoms in composite responder endpoint

	<i>Aficamten</i> n=142	Placebo n=140
≥1.5 mL/kg/min increase in pVO <sub>2</sub> and ≥1 NYHA FC improvement or ≥3.0 mL/kg/min increase in pVO <sub>2</sub> and no worsening of NYHA FC, n (%)	60 (42)	19 (14)
≥1.5 mL/kg/min increase in pVO <sub>2</sub> and ≥1 NYHA class improvement	44 (31)	9 (6)
≥3.0 mL/kg/min increase in pVO <sub>2</sub> and no worsening of NYHA class	37 (26)	13 (9)
Both ≥3.0 mL/kg/min increase in pVO <sub>2</sub> and ≥1 NYHA class improvement	21 (15)	3 (2)
Common rate difference vs placebo (95% CI) P value	<b>28</b> (18.8, <0.0	38.6)

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established. Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024.

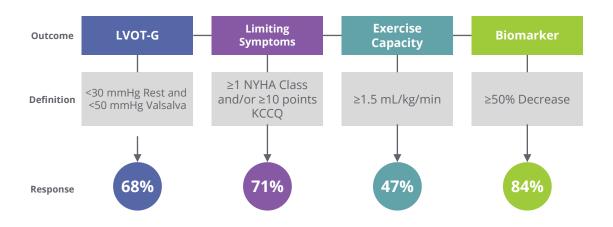


# Clinically Relevant Improvements



#### 2/3 patients achieved complete hemodynamic response in prespecified analyses

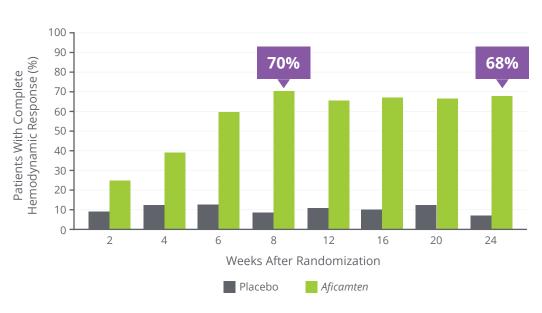
#### Responder Analysis: Achievement of 4 Clinically Relevant Assessments



#### *P*<0.002 vs. placebo

#### **Complete Hemodynamic Response**

Resting LVOT-G <30 mmHg & Valsalva LVOT-G <50 mmHg



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Maron MS, et al. "Impact of Aficamten on Disease and Symptom Burden in Obstructive Hypertrophic Cardiomyopathy: Results from SEQUOIA-HCM." HFSA 2024.



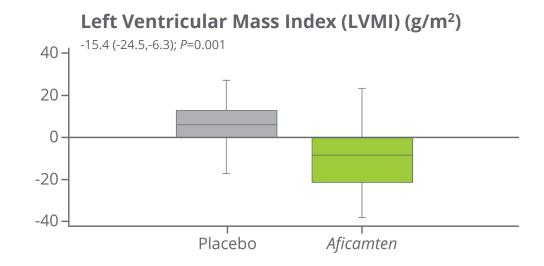
# SEQUOIA-HCM: CMR Sub-Study



### Aficamten associated with favorable cardiac remodeling

Among 50 of the 284 eligible patients who opted to complete the CMR sub-study there was:

- Significant improvement in LVMI
- Favorable cardiac remodeling as demonstrated by reductions in:
  - Left ventricular maximal wall thickness
  - Left atrial volume index (LAVI)
  - Extracellular volume mass index (ECVi)



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Masri A, et al. Effect of Aficamten on Cardiac Structure and Function in Obstructive Hypertrophic Cardiomyopathy: SEQUOIA-HCM CMR Substudy. JACC. 2024.



# SEQUOIA-HCM: Safety Data

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**AEs with ≥5% incidence** 

There were no serious adverse cardiovascular events associated with aficamten treatment in SEQUOIA-HCM

Event, n (%)	Placebo (n=140)	Aficamten (n=142)
Overall AEs	99 (70.7)	105 (73.9)
Headache	10 (7.1)	11 (7.7)
Hypertension	3 (2.1)	11 (7.7)
Palpitations	4 (2.9)	10 (7.0)
Upper respiratory infection	12 (8.6)	9 (6.3)
COVID-19	9 (6.4)	8 (5.6)
Dyspnea	8 (5.7)	8 (5.6)
SAEs	13 (9.3)	8 (5.6)
Cardiac AEs	21 (15.0)	24 (16.9)
Discontinuations	4 (2.9)	5 (3.5)
New-onset AF	1 (0.7)	1 (0.7)
Appropriate ICD shock	1 (0.7)	0
LVEF <50% by core laboratory <sup>a</sup>	1 (0.7)	5 (3.5)
Dose reduction based on site-read LVEF <50%	1 (0.7)	7 (4.9)

<sup>&</sup>lt;sup>a</sup> 1 placebo- and 1 *aficamten-treated* patient overlap with dose reduction based on site-read LVEF <50%.

Journal of the American Heart Association



#### ORIGINAL RESEARCH

Dosing and Safety Profile of Aficamten in Symptomatic Obstructive Hypertrophic Cardiomyopathy: Results From SEQUOIA-HCM

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BACKGROUND: Aficamten, a novel cardiac myosin inhibitor, reversibly reduces cardiac hypercontractility in obstructive hypertrophic cardiomyosity. We present a prespecified analysis of the pharmacokinetics, pharmacodynamics, and sately or aficamten in SEQUION-HOM Safety, Efficacy, and Quantitative Understanding of Obstruction Impact of Aficanten in 1804.

BETHORS AND RESULTS: A foot of 280 patients with clastructive hyperhopitic cardiomycapity were randomized 11 to daily adcaratine (high-oping) or placebot between February 1, 2022, and Myr 15, 2023. Alcaratine ducing taggled the lowest efficient of does for achieving sith-interpreted visitable left vertificular cutflow tract gradient -0.00mmHg with left working electron section IVEPS\_0.05%. Ento plants were evaluated during interpreted to light 10 even 86, mainternance between 8–36, and visitable cutflowed 10 even 10 even

CONCLUSIONS: A site-based dosing algorithm targeting the lowest effective aficamten dose reduced left ventricular outflow tract gradient with a favorable safety profile throughout SEQUOIA-HCM.

REGISTRATION: URL: https://www.clinicaltrials.gov; Unique Identifier: NCT05186818

Correspondence to: Caroline J. Coats, MD, PhD, School of Cardiovascular and Metabolic Health, College of Medical, Veterinary and Life Sciences, Glac Cardiovascular Research Centre (GCRC), BHF Centre of Research Excellence, 126 University Place, University of Glasgow, Glasgow G12 8TA, Glasgow Liebted Microbia. Excell screening contributions are

"A complete list of the SEQUOIA-HCM investigators can be found in the appendix at the end of the article.

This manuscript was sent to Sakima A. Smith. MD. MPH, Associate Editor, for review by expert referees, editor.

For Sources of Funding and Disclosures, see page 12.

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JAHA is available at: www.ahajpumais.org/journal/ja

J Am Heart Assoc. 2024;13:e035993. DOI: 10.1161/JAHA.124.035993

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

AE, adverse event: SAE, serious adverse event.

Coats CJ. Dosing and Safety Profile of Aficamten in Symptomatic Obstructive Hypertrophic Cardiomyopathy. ESC Heart Failure 2024.



# Integrated Safety Analysis

## Analysis represents 206 patient-years\* of exposure to aficamten







- <4% of patients experienced LVEF <50%
- **0 dose terminations** due to LVEF <40%
- <1% of echocardiograms performed led to a reduction in dose
- No difference in atrial fibrillation between placebo and *aficamten*

	Cumulative <sup>a</sup> <i>aficamten</i> -treated pool	Placebo-controlled pool <sup>b</sup>			
	Aficamten	Aficamten	Placebo		
Number of participants	283	170	153		
LVEF <50% <sup>c</sup> , n (%)	11 (3.9)	9 (5.3)	1 (0.7)		
LVEF <50% with clinical HF	0	0	1 (0.7)		
Atrial fibrillation	12 (4.2)	4 (2.4)	5 (3.3)		
New onset	5 (1.8)	1 (0.6)	3 (2.0)		
Recurrent	7 (2.5)	3 (1.8)	2 (1.3)		
<sup>a</sup> Parent and extension studies. <sup>b</sup> Placebo-controlled pool of REDWOOD-HCM and SEQUOIA-HCM. <sup>c</sup> Site read.					

<sup>\*</sup>Median exposure: 6-months, range of exposure: 0-32 months

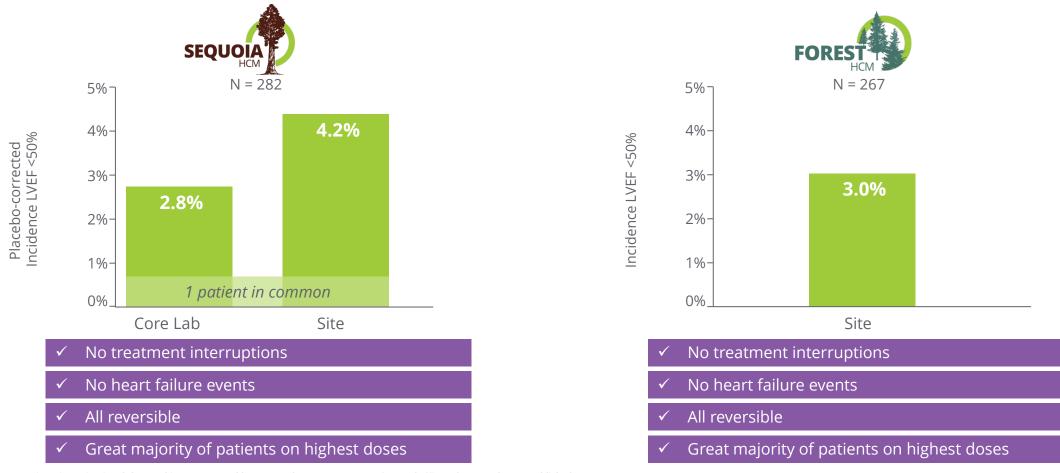
Integrated Safety Analysis to reflect real world clinical application.

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established. IMasri A. Aficamten in Patients with Obstructive Hypertrophic Cardiomyopathy: An Integrated Safety Analysis. ESC 2024.



# Implementation of Dosing in Real-World Setting (FOREST-HCM)

# Low incidence of LVEF <50% in patients with oHCM treated with *aficamten*







# Submitted US NDA; Preparing for Ex-US Regulatory Submissions



Positive Results from SEQUOIA-HCM

2024

- Submitted NDA to U.S. FDA in Q3
- Corxel (formerly Ji Xing Pharmaceuticals)
   submitted NDA to the CDE of the NMPA in
   China; NDA was accepted
- Expect to submit MAA to EMA in Q4 2024

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### Aspirational Profile of Aficamten & Results from SEQUOIA-HCM Inform Potential Distinct Risk Mitigation

#### **REMS** Existing **Aficamten Aspirational Profile** Challenges Rapid onset Rapid reversibility Speed to optimal dose **Echo frequency** • SEQUOIA-HCM: No treatment interruptions due to low LVEF • SEQUOIA-HCM: No instances of worsening HF Predictable dose response **Dosing window** Stable over time No teratogenicity • No clinically meaningful P450 liabilities **DDI** monitoring • All background therapies & combinations have been tested in clinical trials No QTc liability

### Potential Distinct Risk Mitigation Approach

#### *Potential for:*

Echo monitoring during titration as **early as 2 weeks**, enabling titration to max dose of 20 mg in 6 weeks

**Up-titration after each echo** based on clinical judgement

Flexible **echo window** for dose titration and maintenance

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# Ongoing Clinical Trials of Aficamten



Pivotal Phase 3 clinical trial of *aficamten* as monotherapy vs. metoprolol in oHCM

**Enrollment Complete** 



Pivotal Phase 3 clinical trial in nHCM



Clinical trial in a pediatric population with oHCM



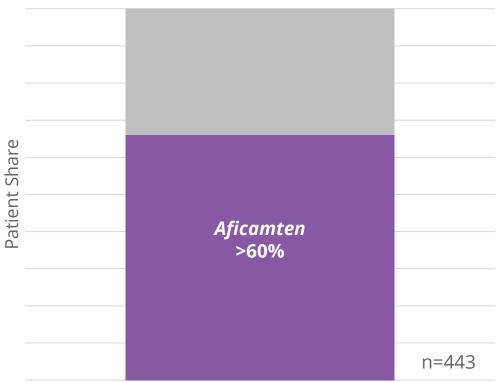
Open-label extension clinical study in HCM

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# Market Research Shows Aficamten May Achieve High Share & Grow Category

# **oHCM CMI Preference Shares in Eligible Patient Population\***



Survey results are based on the aspirational profile of aficamten and if approved, the actual profile could vary materially.

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Source: Aficamten Impact of Product Attributes on Product Preference Share n=443 cardiologists, Quantitative research including conjoint - Cogent

- Potential target product profile for aficamten interest creates share opportunity in newly treated CMI patients
- Aficamten could also be expected to expand the total CMI market
- Key attributes that may drive preference include the potential for:
  - LVOT gradient reduction
  - Change in NYHA Functional Class
  - Pharmacodynamics/LVEF maintenance
  - Change in KCCQ
  - Absence of DDI

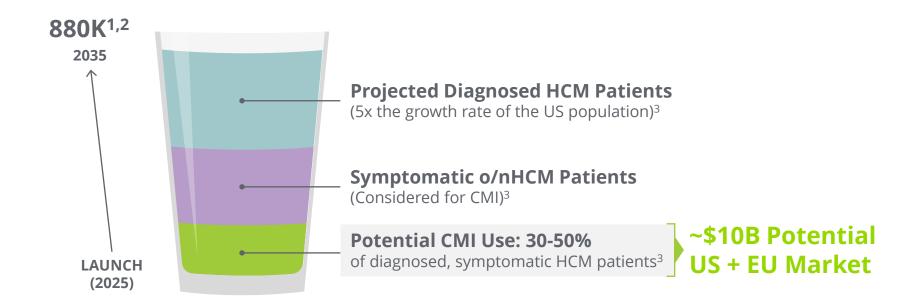


# \$10B Potential Market of CMI-Eligible Patients, Majority Expected to be Available at Launch, if *Aficamten* is Approved

### Diagnosis of HCM anticipated to grow 5x the rate of the general U.S. population

#### **US and EU HCM Patients in 2035**

Illustrative



<sup>1.</sup> DoF: SHA; Symphony PTD (Patient Transaction Data): Includes patients diagnosed since 2016 and having any HC transaction in the claims data universe in the last year June 2022-May 2023);

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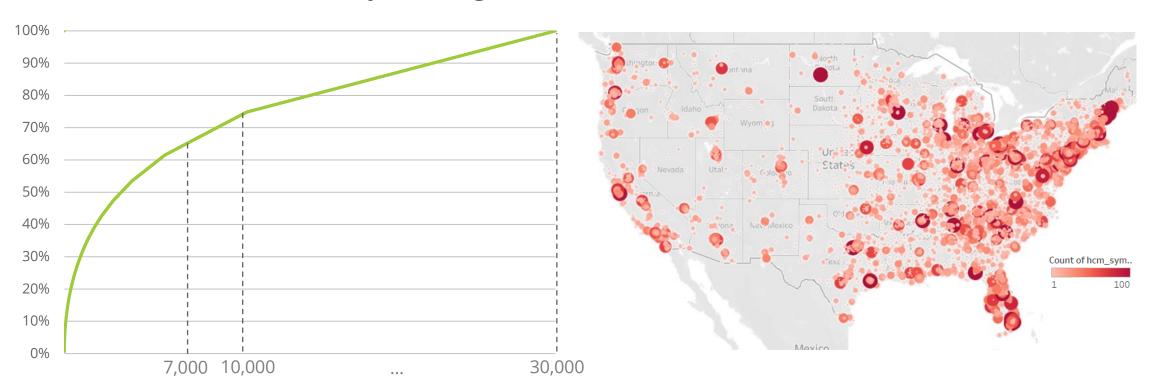
<sup>2.</sup> Butzner et al 2021 estimated a 8% growth rate in diagnosed HCM patients between 2013-2019 <a href="https://www.ajconline.org/article/S0002-9149(21)00783-9/fulltext">https://www.ajconline.org/article/S0002-9149(21)00783-9/fulltext</a>; CYTK is forecasting an average growth rate of 5% over the coming decade and a more conservative 4% growth rate in Europe due to a lack of growth of the overall population in EU5 countries.

3. Internal forecasts

# Cardiologists Located in Concentrated Geographic Clusters Across the US ~75% of the HCM patient volume is treated by ~10,000 cardiologists

#### HCM Patient Concentration by Cardiologist Ge

#### **Geographic Distribution of HCM Patients**



Note: includes only patients who are treated by a cardiologist - not all patients see a cardiologist; sample of 67K HCM patients
Source: Symphony PTD (Patient Transaction Data); mapping of HCPs to HCOs using Definitive Healthcare Data 2023 and 7/2023 mapping; Patient volume by dominant Cardiologist Location 7/2023

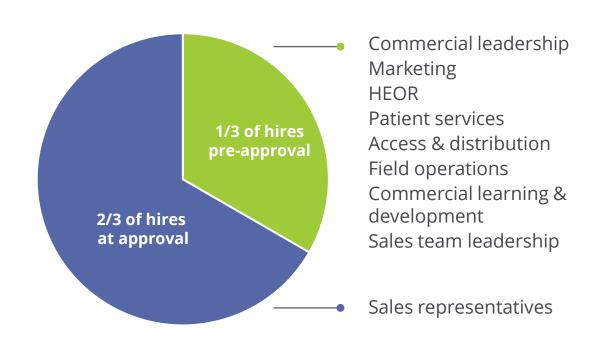
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# Gated Build of Commercial Infrastructure

### Sales representative hiring to occur in proximity to approval

#### 2/3 of hiring to occur at-approval



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#### **Activities initiated upon key de-risking events**

#### **Underway before SEQUOIA-HCM readout**



Market access strategy Pricing strategy

Distribution approach

Payer engagement

Brand strategy

Customer account identification



#### Initiated after SEQUOIA-HCM readout



Launch campaign Commercial training

Payer Pre-approval Information Exchange

Sales force planning

Technology build

Omnichannel execution

Market development



#### Initiated upon or in Proximity to FDA approval

Media purchases

Patient support programs



# Omecamtiv Mecarbil



# Omecamtiv Mecarbil: Potential for High-Risk Severe HF Patients Despite GDMT

### Advancing efficient, pragmatic Phase 3 clinical trial

#### **High Unmet Need**

The large and growing heart failure population faces frequent hospitalizations, high mortality rates, comorbidities, and challenges staying on GDMT. Despite SGLT2 inhibitors, patients remain at significant risk.

#### **Market Opportunity**

18% of 7.1M patients with HFrEF have worsening heart failure (LVEF <30%)

Estimated 8+ years of market exclusivity

## The NEW ENGLAND JOURNAL of MEDICINE

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#### Cardiac Myosin Activation with Omecamtiv Mecarbil in Systolic Heart Failure

J. R. Teerlink, R. Diaz, G. M. Felker, J. J. V. McMurray, M. Metra, S. D. Solomon, K.F. Adams, I. Arnand, A. Arias-Mendoza, T. Biering-Sorensen, M. Böhm, D. Bonderman, J.G.F. Cleland, R. Corbalan, M.G. Cres-Do-Welt, D. L. Lanfear, J. Li, M. Lund, P. Macdonald, V. Mareev, S. Momomura, E. O'Meara, A. Parkhomenko, P. Ponikowski, F. J. R. Ramires, P. Serpyis, K. Silwu, J. Spinar, T. W. Suter, J. Tomacsnyi, H. Vandekerchove, D. Vinereaun, A.A. Voors, M.B. Yilmaz, F. Zannad, L. Sharpsten, J. C. Legg, C. Varin, N. Honarpour, S.A. Abbasi, F.I. Malik, and C. E. Kurtz, for the G.A.A.CTI-CH-Finestigators\*

#### ABSTRACT

#### BACKGROUND

The selective cardiac myosin activator omecamtiv mecarbil has been shown to improve cardiac function in patients with heart failure with a reduced ejection fraction. Its effect on cardiovascular outcomes is unknown.

#### METHODS

We randomly assigned 8256 patients (inpatients and outpatients) with symptomatic chronic heart failure and an ejection fraction of 55% or less to receive omecamity mecarbil (using pharmacokinetic-guided doses of 25 mg, 37.5 mg, or 50 mg twice daily) or placebo, in addition to standard heart-failure therapy. The primary outcome was a composite of a first heart-failure event (hospitalization or urgent visit for heart failure) or death from cardiovascular causes.

#### RESULTS

During a median of 2.18 months, a primary-outcome event occurred in 1523 of \$1.04\_\text{plane}\$ plane interest of \$1.20\_\text{plane}\$ plane interest of \$2.07\_\text{sin}\$ in the placebo group (hazard ratio, 0.92; 95% confidence interest) conjugate to \$1.00\_\text{sin}\$ in the placebo group (hazard ratio, 0.92; 95% confidence interest) conjugate \$1.00\_\text{sin}\$ in the placebo group (hazard ratio, 0.92; 95% confidence interest) conjugate \$1.00\_\text{sin}\$ in the conjugate of \$1.00\_\text{sin}\$ in the conjugate of \$1.00\_\text{sin}\$ in the change from baseline on the Kansas City Cardiomyopathy Questionnaire total symptom score. At week 42, the change from baseline for the median N-terminal pro-B-type natrivaretic peptide level was 10% lower in the omecannity mecanily group than in the placebo group the median cardiac tropoint il level was 4 mg per liter higher. The frequency of cardiac ischemic and ventricular arrhythmia events was similar in the two groups.

#### CONCLUSIONS

Among patients with heart failure and a reduced ejection, those who received omecamity mecarbil had a lower incidence of a composite of a heart-failure event or death from cardiovascular causes than those who received placebo. (Funded by Amgen and others; GALACTIC-HF ClinicalTrials.gov number, NCT02929329; EudraCT number, 2016-002299-283. confirmatory Ph 3

confirmatory Ph 3

trial, n= ~2,000, ~3

years to completion

Planning

**Primary endpoint**: time to CV death, HF events, transplant/LVAD, or stroke

Larger treatment benefit in patients with lower LVEF and other markers of advanced HF

Pragmatic design elements including EHR screening, limited monitoring visits, remove visits, and limited safety labs & AE reporting

Ph 3 clinical trial results in 8,000 patients point to important treatment benefit

treatment han efit in patients with lawer

Omecamtiv mecarbil is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

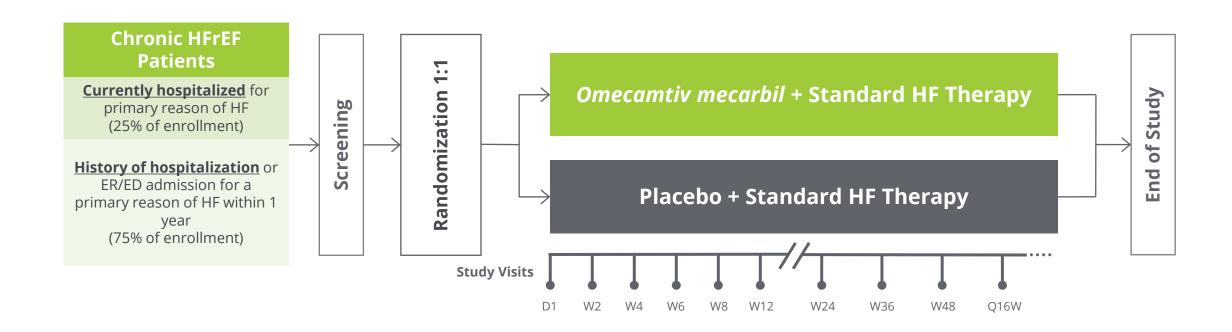


### GALACTIC-HF: Clinical Trial Overview



### Phase 3 clinical trial

Event-driven clinical trial; 8,256 patients randomized in 35 countries at 944 clinical trial sites

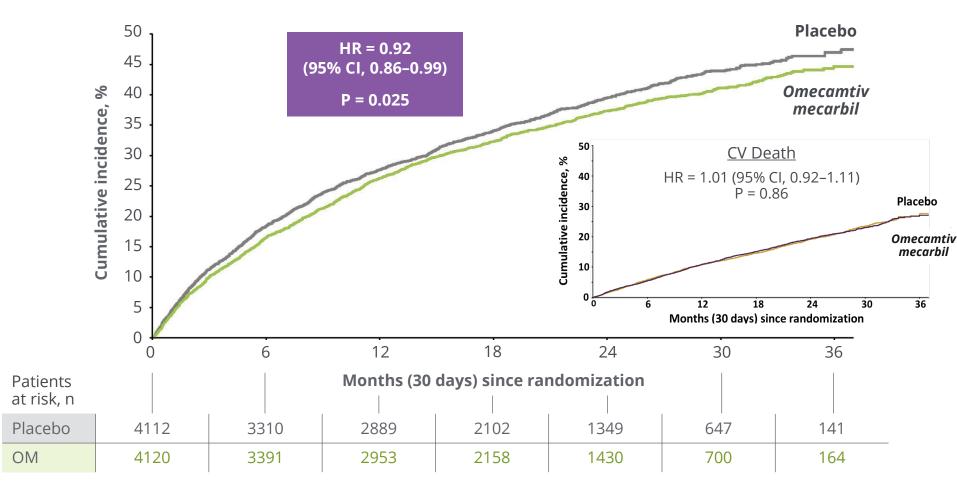


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# Primary Composite Endpoint





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prove cardiac function in patients with heart failure with a reduced ejection fraction.

We randomly assigned 8256 patients (inpatients and outpatients) with symptom-atic chronic heart failure and an ejection fraction of 35% or less to receive omecamtiv mecarbil (using pharmacokinetic-guided doses of 25 mg, 37.5 mg, or 50 mg twice daily) or placebo, in addition to standard heart-failure therapy. The primary outcome was a composite of a first heart-failure event (hospitalization or urgent visit for heart failure) or death from cardiovascular causes.

During a median of 21.8 months, a primary-outcome event occurred in 1523 of N Engl J Med 2021;384:105-16 4120 patients (37.0%) in the omecamtiv mecarbil group and in 1607 of 4112 patients (39.1%) in the placebo group (hazard ratio, 0.92; 95% confidence interval

[CI], 0.86 to 0.99; P=0.03). A total of 808 patients (19.6%) and 798 patient (19.4%), respectively, died from cardiovascular causes (hazard ratio, 1.01; 95% CI, 0.92 to 1.11). There was no significant difference between groups in the change from baseline on the Kansas City Cardiomyopathy Questionnaire total symptom score. At week 24, the change from baseline for the median N-terminal pro–B-type triuretic peptide level was 10% lower in the omecamtiv mecarbil group than in the placebo group; the median cardiac troponin I level was 4 ng per liter higher. The frequency of cardiac ischemic and ventricular arrhythmia events was similar in the two groups.

Among patients with heart failure and a reduced ejection, those who received omecamity mecarbil had a lower incidence of a composite of a heart-failure event or death from cardiovascular causes than those who received placebo. (Funded by Amgen and others; GALACTIC-HF Clinical Trials.gov number, NCT02929329; EudraC1 number, 2016-002299-28.)

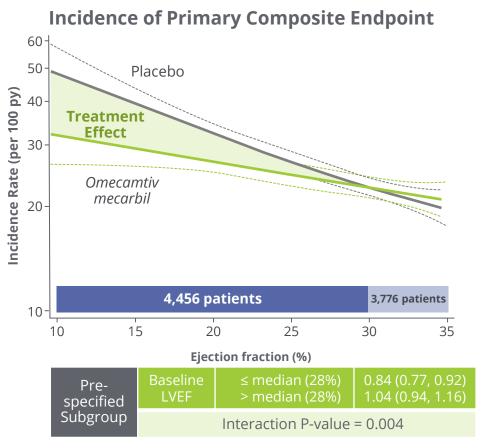
Time to first HF event or CV death

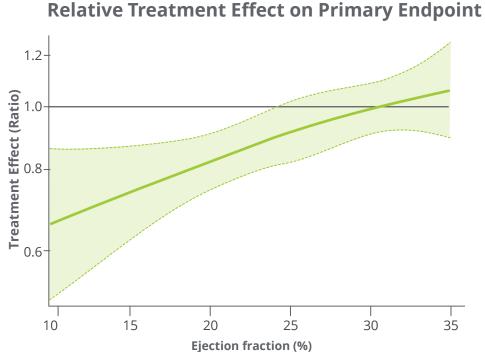
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### Benefit Observed to Increase as Baseline LVEF Decreased









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ARR = Absolute Risk Reduction. RRR = Relative Risk Reduction.

Teerlink JR., Diaz R., Felker GM., et al. Effect of Ejection Fraction on Clinical Outcomes in Patients treated with Omecamtiv Mecarbil in GALACTIC-HF. JACC. 2021



# Large Treatment Effect in Easily Defined HF Population



	N	Hazard Ratio (9	95% CI)	Nom p-value	ARR
All Patients	8232	<b>—</b>		0.025	2.1
LVEF <30%	4704	<b>—</b>		<0.001	4.9
+ Hosp <3 mos	2836	<b>—</b>		<0.001	6.2
+ SBP <110	1881	<b>—</b>		0.004	7.2
+ Class III/IV	2249	<b>—</b>		<0.001	8.9
+ NT-proBNP ≥1000 pg/mL	2852	<b>——</b>		<0.001	8.8
rantiv mocarbil is an investigational drug and is not approved by app	0.6	Omecamtiv mecarbil	1 1.1 1.2 Placebo		

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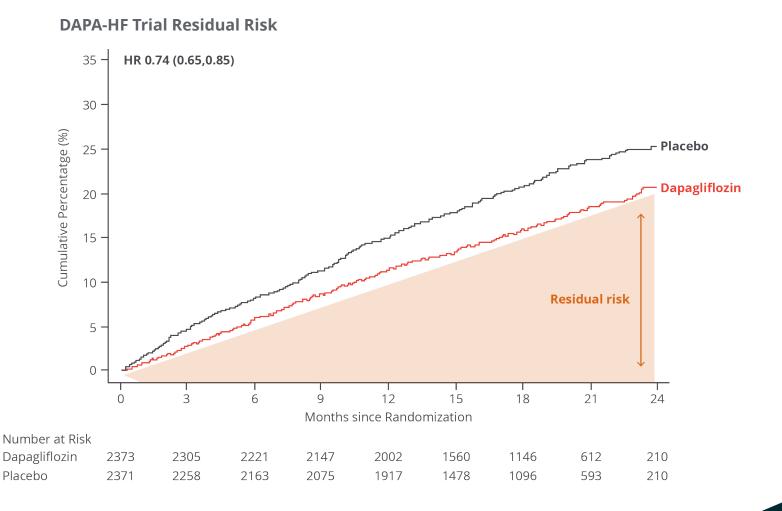


# Residual Risk is High Despite Best Therapy

DAPA-HF Trial: Patients on GDMT including SGLT2-i

# **DAPA-HF trial** (dapagliflozin group)

- Primary endpoint: CV Death/HF hospitalization/urgent HF visit
- 4744 patients
- Renin-angiotensin system blocker **94%**
- Dapagliflozin **96%**
- Mineralocorticoid receptor (aldosterone) antagonist 71%



McMurray J et al, N Engl J Med. 2019;381:1995-2008



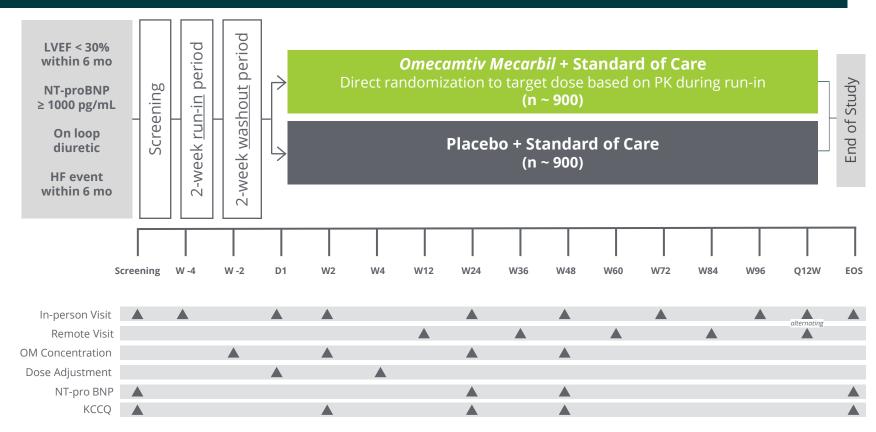
# Phase 3 Confirmatory Clinical Trial Design



### **COMET-HF** expected to start in Q4 2024

### **COMET-HF:** Confirmation of *Omecamtiv Mecarbil* Efficacy Trial in Heart Failure

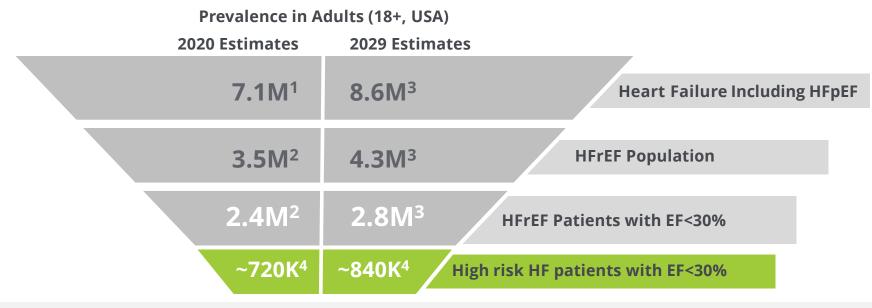
- Primary endpoint: time to CV death, HF events, transplant/LVAD, or stroke
- Enriching population for adherence with OM run-in period
- Pragmatic design elements:
  - · Remote clinic visits
  - Limited safety labs & ECGs
  - Streamlined eligibility and study conduct
  - Streamlined AE reporting



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# Large and Growing Target Patient Population in US



### **Proposed** Omecamtiv Mecarbil **Target Patient**

Patients treated with GDMT and still experiencing severely reduced EF and symptoms of heart failure

#### **Cardiac Function**



LVEF < 30%





### **Markers of High-Risk HFrEF**

- HF Event\* within the last 12 months
- Elevated NT-pro BNP
- Contraindications limiting GDMT, e.g. hypotension, renal dysfunction or hyperkalemia

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<sup>2.</sup> Dunlay SM, Roger VL, Weston SA, Jiang R, Redfield MM. Longitudinal changes in ejection fraction in heart failure patients with preserved and reduced ejection fraction. Circ Heart Fail. 2012 Nov;5(6):720-6. doi: 10.1161/CIRCHEARTFAILURE.111.966366. Epub 2012 Aug 30. PMID: 22936826; PMCID: PMC3661289. 3. 2.1% annual growth rate: 1.9% annual growth rate of patient population 65+ (UN World Populations Prospects Nov 2019) and a 0.2% mortality impact of HF treatment (doi: 10.1136/bmj.1223 | BMJ 2019;364:1223) 4. Greene et al JACC 2023; 81:413-424

<sup>\*</sup> HF Event: Urgent, unscheduled outpatient visit or hospitalization

### Higher Event Rate & Costs in Patients with Severely Reduced EF





Accounts for ~60% of HFrEF hospitalizations<sup>5</sup>



**35%** of patients with severely reduced EF **re-hospitalized within 1 year**<sup>6</sup>



\$15,493 per HF re-hospitalization<sup>7</sup>



Direct costs from HF re-hospitalizations projected to increase from **\$3.9 billion** in 2020 to **\$4.6 billion** by 2029\*\*

<sup>7.</sup> Urbich M, Globe G, Pantiri K, Heisen M, Bennison C, Wirtz HS, Di Tanna GL. A Systematic Review of Medical Costs Associated with Heart Failure in the USA (2014-2020). Pharmacoeconomics. 2020 Nov;38(11):1219-1236. doi: 10.1007/s40273-020-00952-0. PMID: 32812149; PMCID: PMC7546989. Omecamtiv mecambil is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



<sup>1.</sup> Tsao 2023, AHA. Racine 2022 CVrg. Bionest 2021.

<sup>\*</sup> HF Event: Urgent, unscheduled outpatient visit or hospitalization \*\*in terms of 2024 dollars

<sup>2.</sup> Dunlay SM, Roger VL, Weston SA, Jiang R, Redfield MM. Longitudinal changes in ejection fraction in heart failure patients with preserved and reduced ejection fraction. Circ Heart Fail. 2012 Nov;5(6):720-6. doi: 10.1161/CIRCHEARTFAILURE.111.966366. Epub 2012 Aug 30. PMID: 22936826; PMCID: PMC3661289.

<sup>3. 2.1%</sup> annual growth rate:1.9% annual growth rate of patient population 65+ (UN World Populations Prospects Nov 2019) and a 0.2% mortality impact of HF treatment (doi: 10.1136/bmj.l223 | BMJ 2019;364:l223)

<sup>4.</sup> Greene et al IACC 2023; 81:413-424

<sup>5.</sup> Extrapolated from Desai NR, Butler J, Binder G, Greene SJ. Prevalence and Excess Risk of Hospitalization in Heart Failure with Reduced Ejection Fraction. Poster presented at: Heart Failure Society of America (HFSA) Annual Scientific Meeting; 2022 Sep 30-Oct 3; Washington, DC.
6. Carnicelli AP, Clare RM, Hofmann P, Chiswell K, DeVore AD, Vemulapalli S, Felker GM, Kelsey AM, DeWald TA, Sarocco P, Mentz RJ. Clinical trajectory of patients with a worsening heart failure event and reduced ventricular ejection fraction. Am Heart J. 2022 Mar;245:110-116. doi: 10.1016/j.ahj.2021.12.003. Epub 2021 Dec 18. PMID: 34932997.

### The Business Case for Omecamtiv Mecarbil

Significant clinical need, lack of treatments drives higher price potential in HF with severely reduced EF

		"Severely Reduced EF"		
US Price Potential		Premium to market		
Disease Severity		Severely Reduced EF  LVEF < 30		
Market Insights	Payer Positioning	~1M patients Post tolerated GDMT		
	Therapeutic Choices	Limited to no treatment options, +50% patients share vs. <30 EF		
Improved Margin¹		+20% incremental improvement in brand margin*		
Financials	Cost Savings <sup>1</sup>	+70% cost avoidance driven by portfolio synergies*		

Based on internal analysis

Financials compared to launching OM alone vs launching as second product following aficamten

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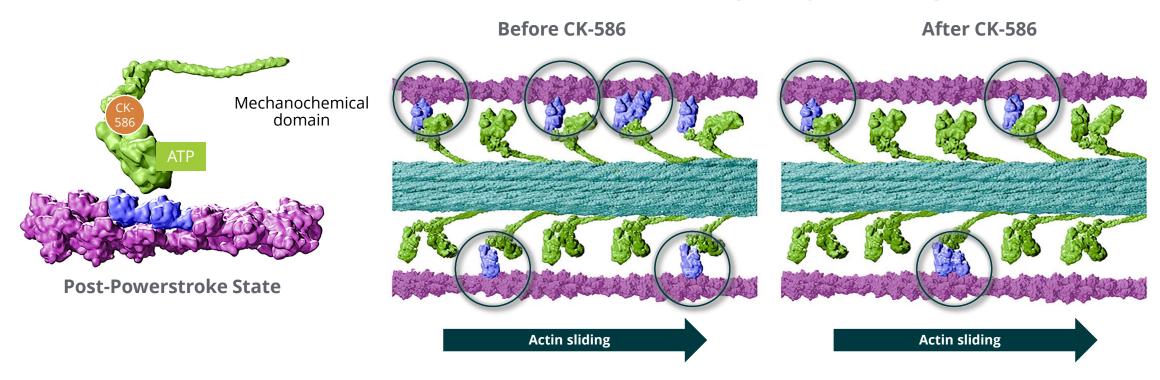


# **CK-586**



# CK-586: Distinct Mechanism of Action from *Aficamten*

### "Fewer hands pulling on the rope"

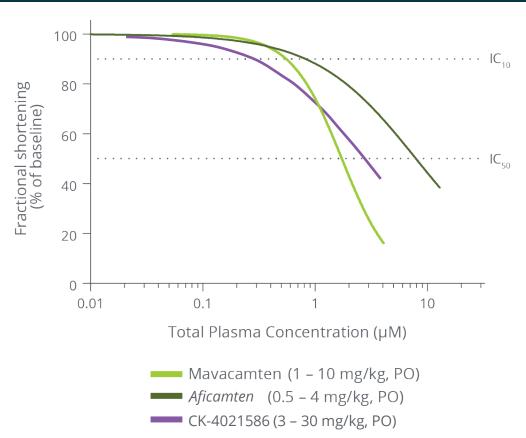


CK-586 is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



# CK-586: Shallow *In Vivo* Concentration-Response

### CK-586 has a shorter half-life than *aficamten*



Pharmacodynamic window Fractional shortening IC <sub>50</sub> /IC <sub>10</sub> ratio				
mavacamten	2.8x			
aficamten	9.9x			
CK-586	9.3x			

 $IC_{10}$ : plasma concentration at 10% relative reduction in fractional shortening  $IC_{50}$ : plasma concentration at 50% relative reduction in fractional shortening

Compound half-life in humans	Actual	Predicted	
aficamten	~3 days	2.8 days	
CK-586	~15 hours	15 hours	

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# Phase 1 Data Support Advancement to Phase 2 Clinical Trial

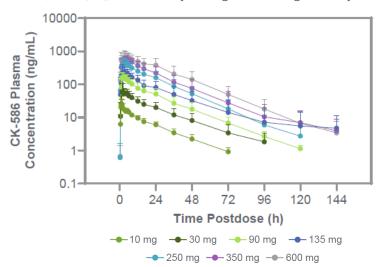
### Phase 2 dose-finding trial in HFpEF expected to start in Q4 2024

Phase 1 study design: 7 SAD cohorts (10 mg to 600 mg) & 2 MAD cohorts (100 & 200 mg once daily), 10 participants each

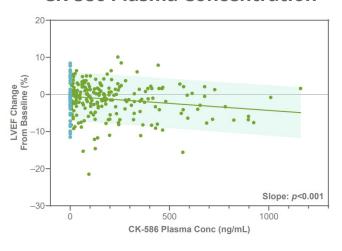
- Less than 24-hour half-life
- Shallow and predictable PK/PD relationship based on LVEF and LVFS
- Well-tolerated across all cohorts
- No serious adverse events were observed
- Stopping criteria were not met

#### **Plasma Concentration**

(mean [SD]) over time after single ascending doses of CK-586



### Change in LVEF vs. CK-586 Plasma Concentration



PK/PD: pharmacokinetic/pharmacodynamic
LVFF: left ventricular ejection fraction
LVFS: left ventricular fractional shortening
LVFS: left ventricular fractional shortening
Lutz JD., Simpkins T., Cheplo K., et al. A First-in-Human, Single and Multiple Ascending Dose Study of CK-4021586, a Novel Cardiac Myosin. Poster, American College of Clinical Pharmacology 2024
CK-586 is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



# Phase 2 Study Schema

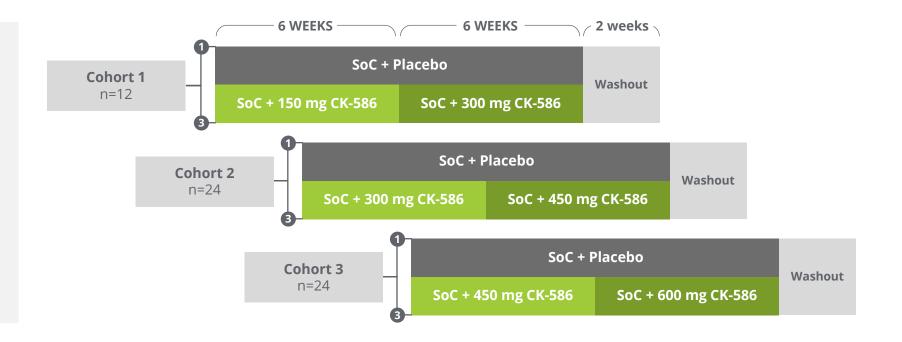
### **AMBER-HFPEF expected to start in Q4 2024**



AMBER-HFPEF: Assessment of CK-586 in a Multi-Center, Blinded Evaluation of Safety and Tolerability Results in HFPEF

# **Enrolling HFpEF** patients with:

- LVEF ≥ 60%
- Structural abnormality
- BMI < 40
- NYHA FC II or III
- NT-proBNP ≥ 300 (or ≥ 900 in AF)



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# Heart Failure with Preserved Ejection Fraction (HFpEF)

### Despite broad use of standard treatments & advances in care, the prognosis for patients with HF is poor<sup>1</sup>



HFpEF patients will die within five years of initial hospitalization<sup>2</sup>



~84%

HFpEF patients will be rehospitalized<sup>2</sup>



with hypercontractility, ventricular hypertrophy, elevated biomarkers & HF symptoms may benefit from a cardiac sarcomere inhibitor



Significant increase in hospitalizations due to HFpEF, from 189,260 in 2008 to 495,095 in 2018 <sup>6</sup>



Lifetime healthcare costs for HFpEF are ~ \$126,819 per patient<sup>5</sup>, per-patient monthly cost for healthcare is \$7,482, primarily, driven by high rates of inpatient & outpatient visits

<sup>7.</sup> Lam CSP, Wood R, Vaduganathan M et al (2021) Contemporary economic burden in a real-world heart failure population with Commercial and Medicare supplemental plans. Clin Cardiol 44(5):646–655.



<sup>1.</sup> Jhund PS, MacIntyre K, Simpson CR, et al. Long-Term Trends in First Hospitalization for Heart Failure and Subsequent Survival Between 1986 and 2003. Circulation. 2009;119:515-523.

2. Bozkurt B, Ahmad T, Alexander KM, Baker WL, Bosak K, Breathett K, Fonarow GC, Heidenreich P, Ho JE, Hsich E, Ibrahim NE, Jones LM, Khan SS, Khazanie P, Koelling T, Krumholz HM, Khush KK, Lee C, Morris AA, Page RL 2nd, Pandey A, Piano MR, Stehlik J, Stevenson LW, Teerlink JR, Vaduganathan

<sup>2.</sup> Burkin B, Aimida T, Alexander MM, Baker WL, Bostak R, Fordinow GC, Fordini MR, Fording T, Rodrini MR, Jones Liw, Alami SS, Ridazane P, Rodring T, Rodri

<sup>5.</sup> Duminy Swi, Roger VI, Weston SA, Jung R, Realieu Will. Longitudinal Changes in ejection in Heart January Page 101. 101. 110 / Circumstance Control of the Apparent of the A

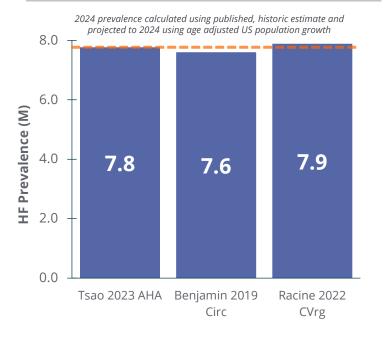
<sup>4.</sup> Yancy CW, Jessup M, Bozkurt B, et al. 2013 ACCF/AHA Guideline for the Management of Heart failure: A Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. Circulation. 2013;128:e240-e327.

<sup>5.</sup> Kapelios, Cardiac Failure Review 2023

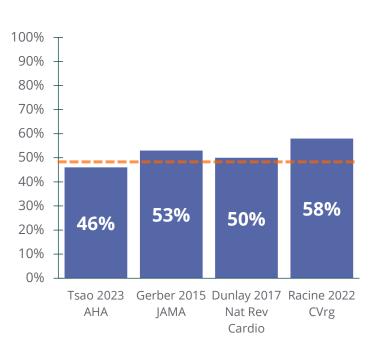
<sup>6.</sup> Clark KAA, Reinhardt SW, Chouairi F et al (2022) Trends in heart failure hospitalizations in the US from 2008 to 2018. J Card Fail 28(2):171–180.

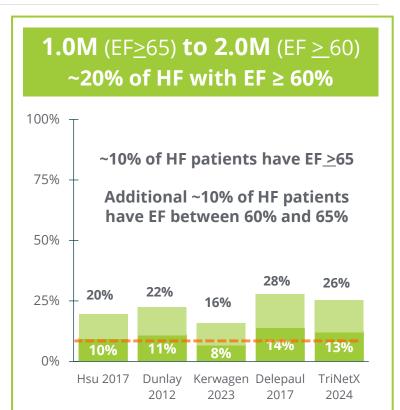
# CK-586: Focusing on Patients with HFpEF and EF ≥ 60





# **4.0M (2024)**50% of HF with HFpEF (EF ≥ 50%)





Source: Racine et al Heart Failure 2020-2029, CVrg March 2020 p 26; includes patients in long term care settings, which NHANES epi does not incorporate; Benjamin, E. et al. Heart Disease and Stroke Statistics—2019 Update: A Report From the AHA Circulation Vol 139, Issue 10, 5 March 2019; Pages e56-e528 historic growth rate of HF 2009-2012 vs. 2013-2016: 2.1%; the population of 65+ year old is expected to grow at 1.9% according to the UN – mortality improvement of 0.2% per year.; Heidenreich P. at al: Forecasting the Impact of Heart Failure in the United States Circulation: Heart Failure Volume 6, Issue 3 May 2013; Tsao C., et al Heart Disease and Stroke Statistics—2023 Update: A Report From the American Heart Association, Circulation Volume 139, Issue 10 Mar 2019; UN Population Report Nov 2020; Dunlay SM, Roger VL, Weston SA, Jiang R, Redfield MM. Longitudinal changes in ejection fraction in heart failure patients with patients with patients with patients with Mid-Range (Borderline) Ejection Fraction: Clinical Implications and Future Directions. JACC Heart Fail. 2017 Nov;5(6):720-6. doi: 10.1161/CIRCHARFFAILURE.111.966366. Epub 2017 Ap. PMID: 29936826; PMCID: PMC6668914. Kerwagen F, Koehler K, Vettorazzi E, Stangl V, Koehler M, Halle M, Koehler F, Störk S. Remote patient management of heart failure across the ejection fraction spectrum: A pre-specified analysis of the TIM-HF2 trial. Eur J Heart Fail. 2023 Sep;25(9):1671-1681. doi: 10.1002/ejff.2948. Epub 2023 Jul 31. PMID: 37368507. Delepaul B, Robin G, Delmas C, Moine T, Blanc A, Fournier P, Roger-Rollé A, Domain G, Delon C, Uzan C, Boudjellil R, Carrié D, Roncalli J, Galinier M, Lairez O. Who are patients classified within the new terminology of heart failure from the 2016 ESC guidelines? ESC Heart Fail. 2017 May;4(2):99-104. doi: 10.1002/ejfc.12131. Epub 2017 Jan 31. PMID: 28451445; PMCID: PMC566686 is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



# CK-586 May Address Unmet Needs of HFpEF Patients



### **Proposed Mechanistic Benefits**

- CK-586 may benefit cardiac relaxation during diastole
- CK-586 may reduce symptoms and improve functional capacity





### **Target Product Profile**

- Statistically significant reduction in composite of mortality and hospitalization outcomes
- Oral QD tablet
- Minimal drug interactions
- Simple dose titration with biomarker monitoring

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# Financials & Milestones



# Strong Financial Position

### Strengthened balance sheet & access to capital to execute launch & advance R&D pipeline

June 30, 2024

~\$1.4B in cash, cash equivalents and investments

Further access to capital through term loans with RP

New \$175M\* term loan facilities, in addition to previously existing \$175M\*\* in unutilized term loan facilities, together provide up to \$350M in additional unutilized term loans with Royalty Pharma (RP)

Potential further funding through RP opt-in

RP, at its option, can invest up to **\$150M** in a Phase 3 trial of CK-586 in exchange for an additional\*\*\* 3.5% revenue participation interest in worldwide net sales of CK-586

Add'l **\$500M** 

\*Tranche 7 Loan: Cytokinetics, at its option, is eligible to draw up to \$175m during the 1-year period following the FDA approval of aficamten for oHCM provided that the NDA is approved on or prior to December 31, 2025.

\*\*Tranche 4 & 5 Loans: Cytokinetics is eligible to draw up to \$75m by April 30, 2025 from tranche 4. The minimum draw for tranche 4 is \$50m. Cytokinetics, at its option, is eligible to draw up to \$100m during the 1-year period following the acceptance of the NDA filing for aficamten provided that the NDA filing is accepted on or prior to March 31, 2025.

\*\*\* Royalty Pharma currently has a revenue participation interest of 1.0% of worldwide net sales of CK-586.



### 2024 Financial Guidance

	Current Guidance Issued on Aug. 8, 2024
GAAP Operating Expense <sup>[1]</sup>	\$555m to \$575m
Non-cash Expense <sup>[2]</sup> Included in GAAP Operating Expense	\$110m to \$105m
Non-GAAP Operating Expense <sup>[3]</sup>	\$445m to \$470m
Net Cash Utilization <sup>[4]</sup>	\$400m to \$420m

The financial guidance does not include the effect of GAAP adjustments as may be caused by events that occur subsequent to publication of this guidance including but not limited to Business Development activities.

<sup>[3]</sup> Non-GAAP operating expense comprised of R&D and G&A expenses but excludes non-cash operating expense.
[4] Net cash utilization is a non-GAAP financial measure that we define as our ending 2023 cash, cash equivalents, and investments balance of \$655 million plus the net proceeds of \$707 million received from the sale of common stock (through the at-the-market facility, public offerings, and stock purchase agreement with Royalty Pharma) plus proceeds of \$200 million received from the structured financing agreement with Royalty Pharma announced on May 22, 2024 minus our projected ending 2024 cash, cash equivalents, and investments balance of between \$1.142 million and \$1.162 million.



<sup>[1]</sup> GAAP operating expense comprised of R&D and G&A expenses.

<sup>[2]</sup> Non-cash operating expense comprised of stock-based compensation and depreciation.

### Robust Pipeline, Upcoming Commercial Launch & Solid Financial Position

### Commercial



### U.S. NDA for aficamten submitted to FDA

U.S go-to-market strategies anchored in differentiated market access & patient experience

### Plan to submit MAA to EMA in Q4 2024

European commercial readiness activities underway

### **Pipeline**

### **Aficamten**

**SEQUOIA-HCM: Positive Phase 3 results** 

Ongoing clinical program with labelexpanding opportunities including: **MAPLE-HCM:** Phase 3 monotherapy

ACACIA-HCM: Phase 3 nHCM

**CEDAR-HCM:** Phase 2-3 in pediatric oHCM

FOREST-HCM: OI F in oHCM & nHCM

### **Omecamtiv** mecarbil

Phase 3 confirmatory clinical trial

**COMET-HF** starting in Q4 2024

### CK-586 Phase 2

**AMBER-HFPEF** clinical trial starting in Q4 2024



### **Ongoing R&D**

Additional research in muscle biology, energetics & metabolism

### **Foundation**



R&D platform rooted in **myosin** modulation

**Pioneers** in muscle biology



#### \$1.4B cash & investments\*

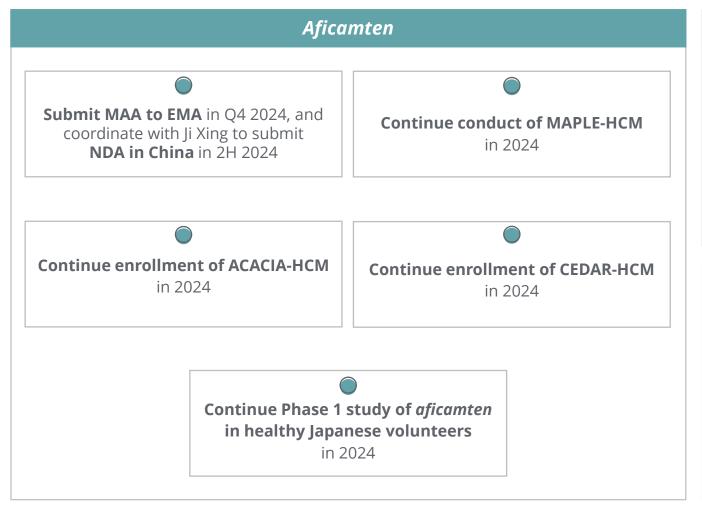
with further access to longterm capital, up to \$500M\*\*

<sup>\*</sup>As of June 30, 2024
\*\* \$500M comprised of \$350 M in term loan facilities with Royalty Pharma, and \$150M Royalty Pharma can, at its option, invest in a Phase 3 clinical trial of CK-586 in exchange for an additional 3.5% revenue participation interest in worldwide net sales of CK-586.

Their safety and efficient have not been established.



### Planned 2024 Milestones







Aficamten, omecamtiv mecarbil and CK-586 are investigational drugs and have not been approved. Their safety and efficacy have not been established.





# thank you

