

Long-term Safety and Tolerability of Acoramidis (AG10) in Symptomatic Transthyretin Amyloid Cardiomyopathy: Updated Analysis from an Ongoing Phase 2 Open-label Extension Study

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# Transthyretin (TTR) amyloidosis cardiomyopathy (ATTR-CM) is an emerging diagnostic and treatment priority





\*Mutant TTR only, <sup>99m</sup>Tc=Technetium-99m; TAVR=transcatheter aortic valve replacement. References: 1. Gonzalez-Lopez E. et al. *Eur Heart J* 2015. 2. Mohammed SF, et al. *JACC: Heart F*ailure 2014. 3. Hahn VS, et al. *JACC* 2020. 4. Sperry BW et al. *JACC* 2018. 5. Damy T, et al. *Eur Heart J* 2015. 6. Sant'Anna R, et al. Sci Rep. 2017;7(44709):1-15. 7. Coelho T, et al. Neuromuscul Disord. 1996;6(1):S20.

## ATTR-CM is a rapidly progressive and fatal disease



Month



Note: Survival probabilities estimated via plot digitization. Source: Elliott P. et al, *Circulation: Heart Failure* 2021

# Acoramidis was designed to mimic a naturally occurring TTR variant that protects carriers from ATTR development





Source: Judge D. et al, JACC 2019

## Acoramidis Phase 2 design

#### Schematic of acoramidis Phase 2 as of August 31, 2021<sup>1</sup>



#### Patient selection and objectives

#### **Selected inclusion criteria**

- Established diagnosis of ATTR-CM
- NYHA class II or III symptoms
- ≥1 prior hospitalization for heart failure or clinical evidence of heart failure

#### Primary and secondary objectives

- Safety and tolerability
- Pharmacokinetics
- Pharmacodynamics
- Consort diagram reflects status of participants as of August 31, 2021 or study discontinuation
- Overall, AEs with an outcome of death, cardiac transplant or transition to hospice were reported for 11 participants

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<sup>1</sup>Median 38 months from initial Phase 2 randomization. Median 35 months on open-label acoramidis
<sup>2</sup>Both declined participation due to geographical constraints regarding study visits.
<sup>3</sup>Clinicaltrials.gov identifier: NCT03458130
<sup>4</sup>Clinicaltrials.gov identifier: NCT03536767

## No safety signals of clinical concern identified in Phase 2 OLE

Summary of treatment-emergent adverse events Number of participants (%)		Summary of serious treatment-emergent adverse events Number of participants (%)	
Any treatment-emergent adverse event	47 (100)	Any serious treatment-emergent adverse event	31 (66.0)
Most common adverse events (≥ 9)		Most common serious adverse events (≥ 4)	
Fall	21 (44.7)	Cardiac failure acute	9 (19.1)
Acute kidney injury	12 (25.5)	Acute kidnev iniurv	7 (14.9)
Cardiac failure congestive	10 (21.3)		E (10.6)
Arthralgia	9 (19.1)	Cardiac failure congestive	5 (10.6)
Cardiac failure acute	9 (19.1)	Fall	5 (10.6)
Constipation	9 (19.1)	Cardiac failure	4 (8.5)
Dyspnea	9 (19.1)	Cardiogenetic shock	4 (8.5)
Fatigue	9 (19.1)	Cardiorenal syndrome	4 (8.5)

Acoramidis was generally well tolerated with a pattern of adverse events consistent with underlying disease, progression of disease, concurrent illnesses, and age of participants



# Acoramidis increased serum TTR levels and provided near-complete TTR stabilization



# Median NT-proBNP was stable or improving at all time points beyond Month 12



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- At Month 30, median change from baseline was -437 pg/mL [-950, 316]
- At Month 30, 15/22 (68%) participants had NT-proBNP levels below their baseline<sup>1</sup>

Note: Based on Study AG10-202 data cut on Aug. 31, 2021. Baseline defined as the date of the first dose of acoramidis. NT-proBNP was a reported laboratory parameter, not a pre-specified safety endpoint. <sup>1</sup>Represents all evaluable data from participants who continued in the study

## Summary of acoramidis Phase 2 OLE results



## Safety and tolerability

- Adverse event profile consistent with baseline disease severity and progression
- No signals of concern observed with median participation of 38 months

### **Cardiac biomarkers**

- Sustained stabilization of TTR demonstrated by increased serum concentrations and ex vivo assays
- Median NT-proBNP was stable or declining at all time points beyond Month 12

Phase 2 OLE data and ongoing participation through 3 years support further development of acoramidis in ATTR-CM; evaluation in a Phase 3 trial is ongoing (ATTRibute-CM)



# ATTRibute-CM Phase 3 design includes primary endpoints at Month 12 and Month 30





6MWD = six-minute walk distance; 99mTc = Technetium labeled pyrophosphate (PYP); CV= cardiovascular; KCCQ = Kansas City Cardiomyopathy Questionnaire; NYHA = New York Heart Association. Source: Clinicaltrials.gov identifier: NCT03860935

## Summary of Month 12 results

Based on data available at Month 12, acoramidis demonstrated relative to placebo:

- No improvement in 6MWD
- Positive improvement in KCCQ-OS
- ✓ Positive reduction in NT-proBNP
- ✓ Positive improvement in serum TTR
- No safety signals of clinical concern





Note: to facilitate a focused review of the vast majority of the data, outliers greater than 300% change from baseline are not included in this plot.



Note: to facilitate a focused review of the vast majority of the data, outliers greater than 200% change from baseline are not included in this plot



Source: BridgeBio press release published 12/27/2021 <sup>1</sup>Inference analysis (p-value) based on absolute change from baseline between groups <sup>2</sup> Modified intent-to-treat (mITT) population defined as all randomized subjects who have received at least one dose of IMP and have at least one post baseline efficacy evaluation. mITT population pre-specified to exclude subjects with baseline eGFR < 30 mL/min/1.73 m<sup>2</sup>

### Percent change from baseline in serum TTR<sup>2</sup>

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