

# VICORE PHARMA

Unlocking the potential of a new class of drugs – Angiotensin II type 2 receptor agonists (ATRAGs)

January 2026



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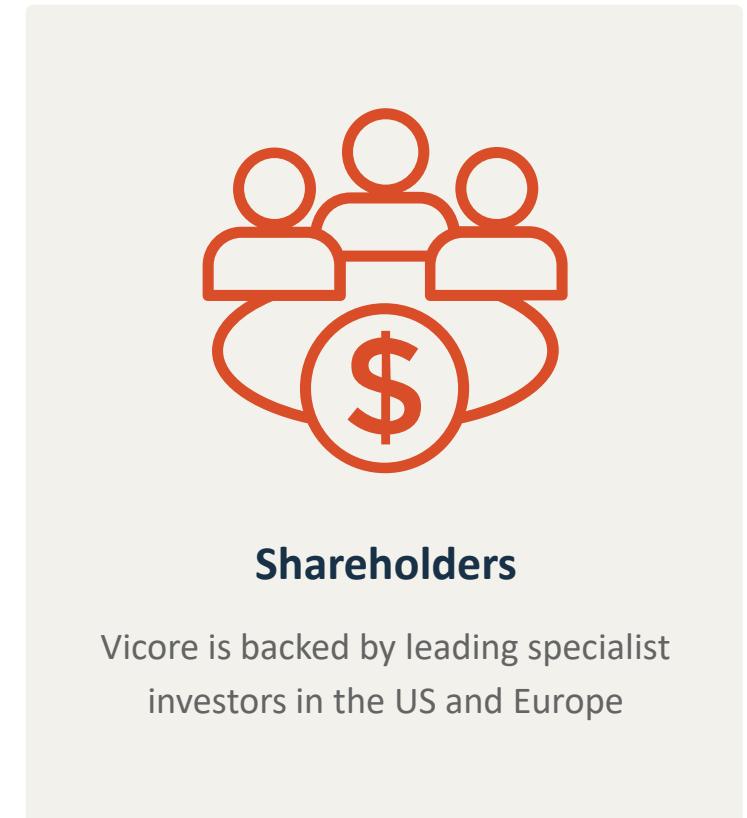
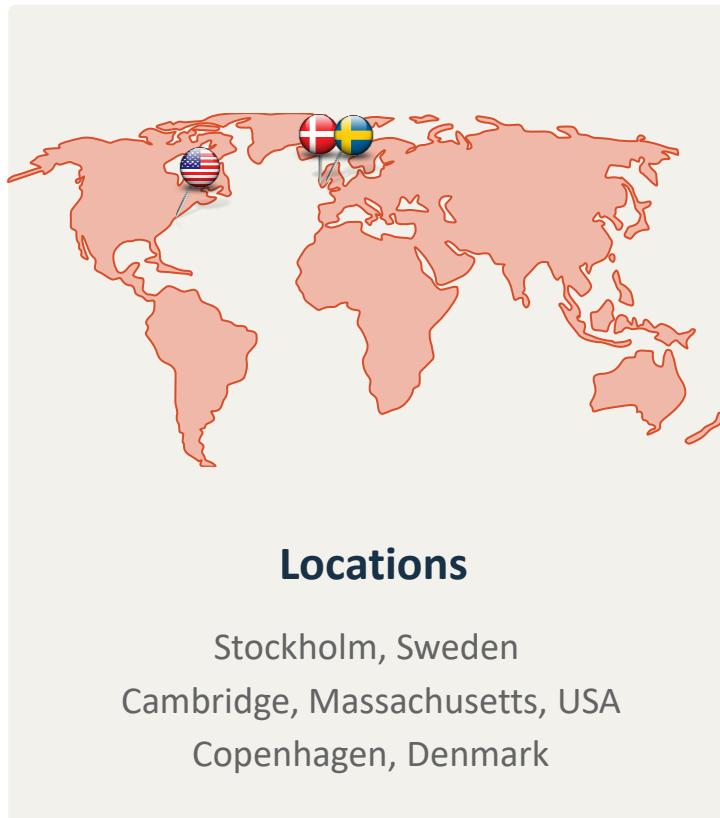
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# Company overview

## Vicore Vision

Transform the lives of patients where modulation of the AT2 (angiotensin II type 2) receptor can play a central role in halting and reversing disease pathology



# Pipeline



Vicore's lead program, buloxibutid, is a first-in-class oral small molecule AT2 receptor agonist, which has received Orphan Drug and Fast Track designation from FDA and is currently being investigated in a global 52-week Phase 2b trial in IPF, ASPIRE.

Compound	Indication	Preclinical	Phase 1	Phase 2	Phase 3	Comments	Rights
Buloxibutid	IPF					Phase 2b ongoing (NCT06588686) Targeting full enrollment by H1 2026	Global ex-Japan rights Japan:  NIPPON SHINYAKU CO., LTD.
New ATRAGs	Multiple Indications					Preclinical studies	Fully-owned

Unlocking the potential of a new class of drugs - Angiotensin II Type 2 Receptor Agonists (ATRAGs)

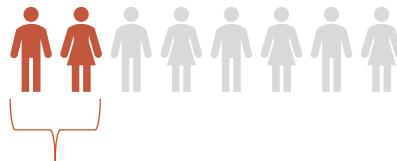
# IPF is a progressive, fatal disease with significant unmet need despite available therapies



## Orphan Disease with High Unmet Need



Where only ~1/4 of US patients initiate treatment<sup>1</sup>



And the high discontinuation rate leads to an average time on treatment of only

**10** months<sup>1</sup>

The majority of the IPF market is not adequately addressed today

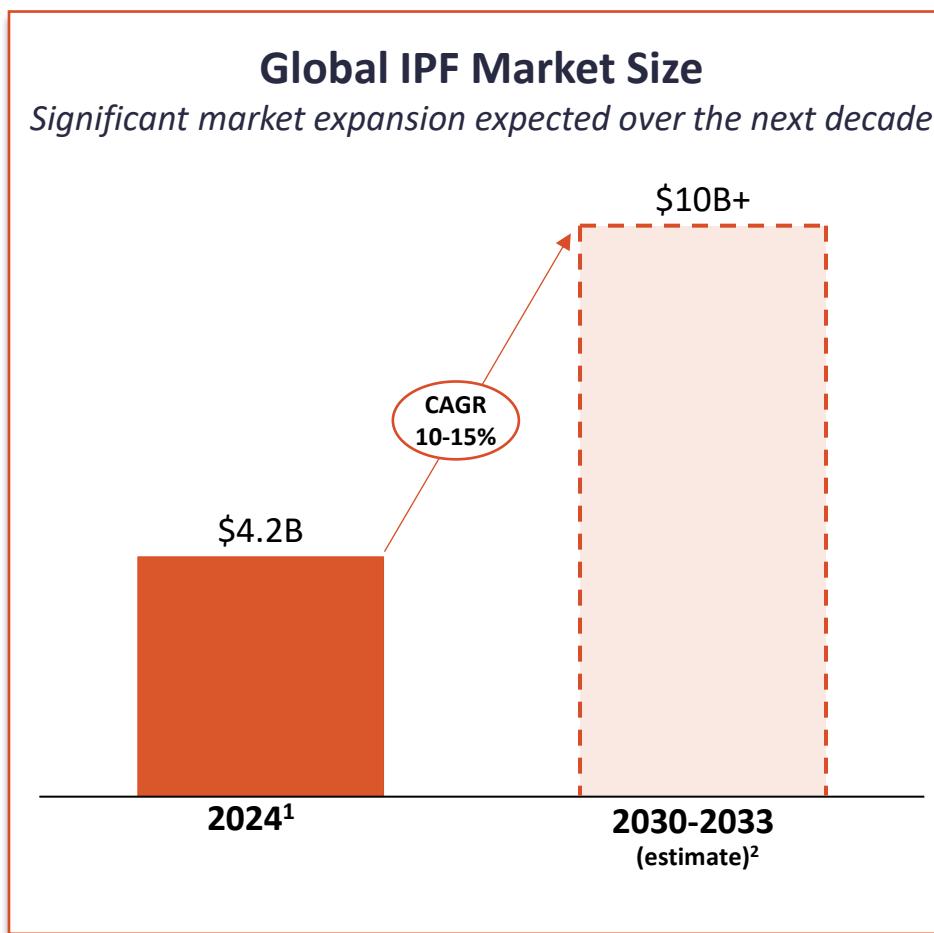
## Limitations of Available Treatment Options

Three FDA approved therapies:



- Existing therapies offer only modest slowing of disease progression and have not demonstrated quality of life benefit
- Significant GI side effects limit uptake, often requiring dose reductions and contributing to high discontinuation rates
- Despite available treatments, the 5-year mortality rate is 80%<sup>2</sup>
- There are no approved disease-modifying therapies today

# IPF is a large and growing market with urgent need for innovation



## Drivers of Market Growth Today

- **New Approvals:**  
Jascayd
- **Disease Awareness:**  
Rising diagnosis rates and expected broader treatment adoption
- **Epidemiology:**  
Aging population and increasing disease prevalence

## White Space for Market-Shifting Innovation

- **Disease-Modifying Efficacy:**  
Stabilization or improvement in lung function
- **Well-Tolerated & Combinable Therapies:**  
Expanding treatment pool, extending time on therapy, and reducing discontinuations



# Buloxibutid is positioned to transform the IPF landscape

Recently approved and late-stage IPF therapies have demonstrated modest reduction of lung function decline, with many associated with tolerability or administration challenges. Following these programs, buloxibutid is the most advanced IPF therapy in global development.

vcore pharma Buloxibutid		Boehringer Ingelheim Jascayd (nerandomilast)	United Therapeutics Tyvaso (treprostinil)	Bristol Myers Squibb™ admilparant
<b>MOA</b> Novel endogenous upstream and multi-modal mechanism	AT2 receptor agonist	PDE4B antagonist	prostacyclin analog	LPA1 antagonist
<b>Dosing &amp; Administration</b> Convenient oral dosing	Oral BID	Oral BID	Nebulized formulation, 48 (12x4) breaths per day	Oral BID
<b>Tolerability</b> Favorable and combinable tolerability profile	Favorable overall profile; mild-to-moderate hair loss	GI-tolerability issues, further exacerbated on top of SoC	Cough, throat irritation, headache, nausea and flushing	Favorable overall profile; transient reduction in blood pressure
<b>Efficacy</b> Potential to stabilize and improve lung function	Unprecedented FVC improvement (+216mL vs. baseline at 36 weeks)	Incremental efficacy (68.8mL vs. placebo at 52 weeks)	Incremental efficacy (95.6mL vs. placebo at 52 weeks)	Incremental efficacy (45.5mL vs. placebo at 26 weeks)

## Value Proposition

Combination of unprecedented efficacy, favorable tolerability profile, and convenient dosing

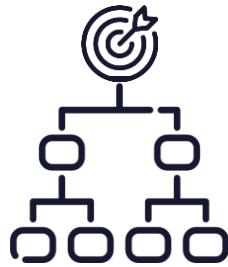
## Key Challenges

Offers only incremental improvement in efficacy and tolerability

Inconvenient dosing and administration and difficult tolerability profile

Limited efficacy demonstrated at 26 weeks

# Buloxibutid is a first-in-class AT2 receptor agonist with the potential to transform the IPF landscape



## Upstream MoA with strong preclinical data

- AT2 receptor expressed on alveolar progenitor cell (AEC2)
- Upstream mechanism drives alveolar repair, resolves fibrosis, and promotes vascular function



## Exceptional clinical data in the Phase 2a AIR trial

- Mean FVC change from baseline of +216 ml at 36 weeks, with benefit observed across all subgroups
- Synthetic control arm analysis confirms robust treatment effect observed with buloxibutid
- Excellent gastrointestinal tolerability and no treatment-related SAEs
- Biomarker data highly supportive of suggested MoA

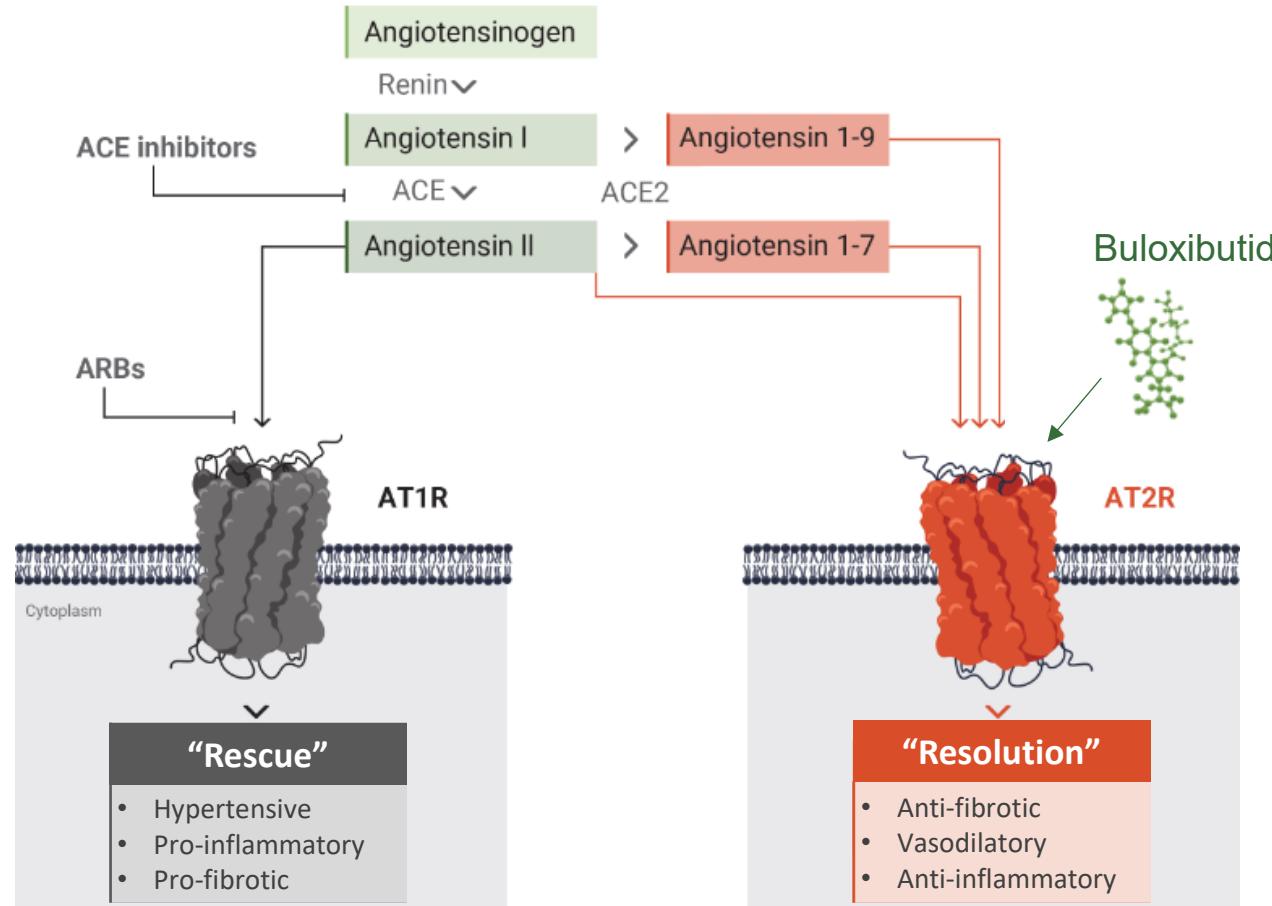


## Phase 2b ASPIRE: confirming the clinical activity in a randomized, placebo-controlled trial

- 52-week treatment
- N=360 (120 per arm)
- IPF patients on stable nintedanib/SoC or not on SoC<sup>1</sup>
- Global footprint



# AT2R agonism is an upstream intervention driving tissue repair

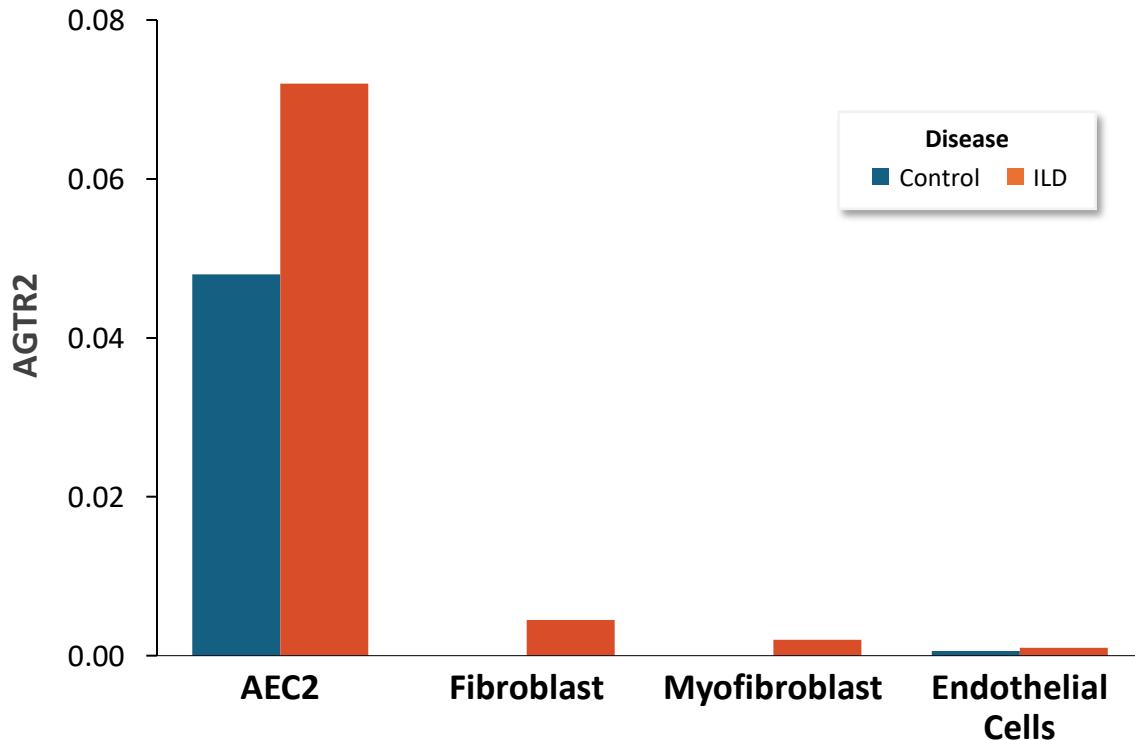


- AT2R is constitutively expressed in the lung, primarily on alveolar epithelial type 2 cells (AEC2) – the “alveolar repair cell”
- AT2R activation engages tissue-protective pathways via AEC2s, promoting inhibition of fibrotic progression and fibrosis resolution, anti-inflammatory effects, vasodilation, and reversal of vascular remodeling
- Buloxibutid is an oral, selective AT2R agonist
- AT1R effects include increase in blood pressure, a key reason for ACE inhibitor and ARB development



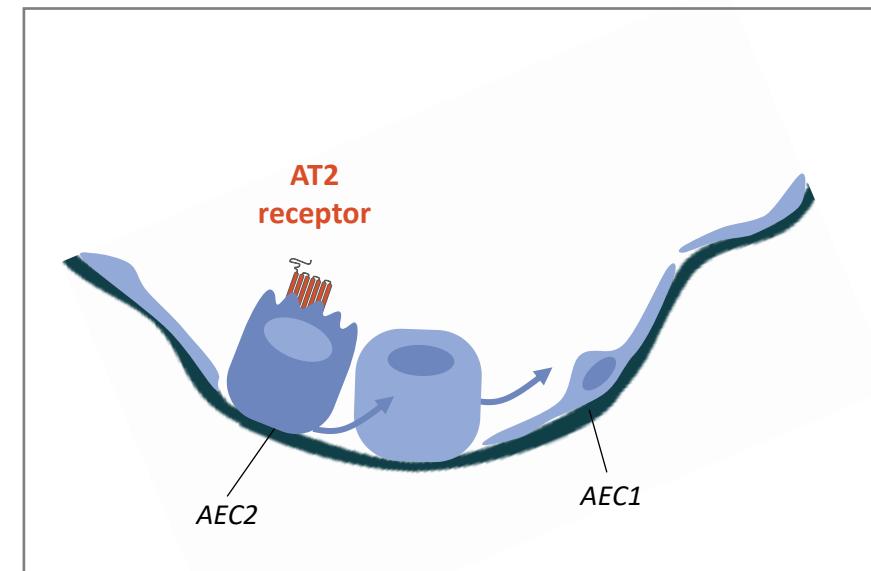
# AT2R is highly expressed in human IPF lungs and on precursor AEC2s

AT2R Expression is Elevated in IPF Lung



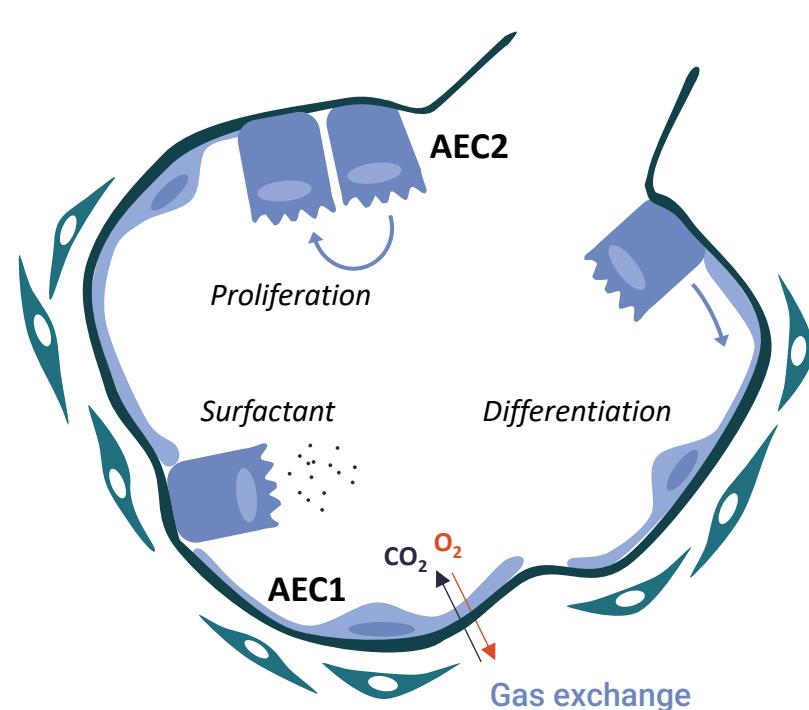
AT2R expression is highly upregulated in the IPF lung, particularly on AEC2s, and is also present on fibroblasts, myofibroblasts, and endothelial cells with higher expression in the diseased state compared with healthy tissue

AT2R is Highly Expressed on AEC2s



Single cell analysis shows high AT2R expression on AEC2 in the lung, the progenitor cell that differentiates into AEC1 gas exchange cells

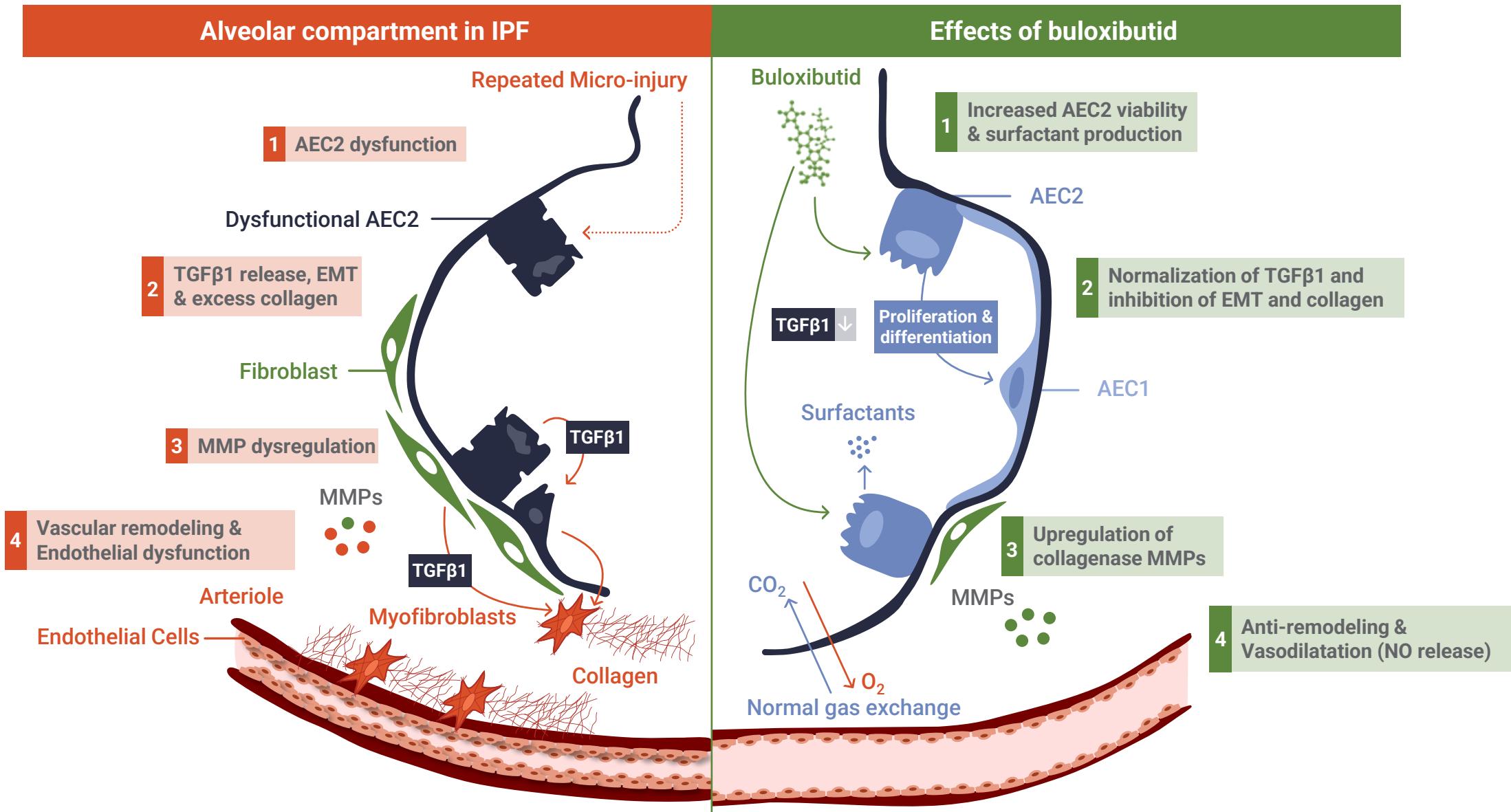
# Alveolar epithelial cells are critical for healthy lung function



AEC – Alveolar Epithelial Cell

- The alveolar epithelium is exposed to damaging irritants in inhaled air
- AEC1 is the predominant alveolar cell type and is responsible for gas exchange
- AEC2 is a progenitor cell that is critical for alveolar integrity and function:
  - Proliferates to form new AEC2
  - Differentiates to AEC1 that need to be replaced
  - Produces surfactant to maintain alveolar integrity
- AT2R is expressed on AEC2

# Buloxibutid is an oral, selective AT2R agonist that drives tissue repair via AEC2 precursor epithelial cells

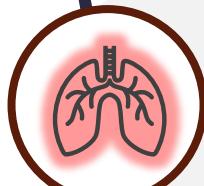


# Buloxibutid addresses all main disease drivers in IPF and disease modification through tissue repair



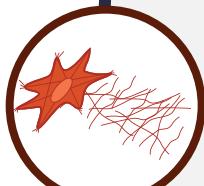
## Tissue Repair and Regeneration

Buloxibutid drives tissue repair by targeting precursor epithelial cells (AEC2), offering a disease modifying mechanism of action



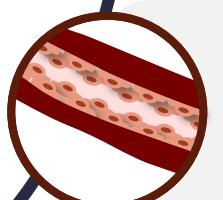
## Anti-Inflammatory

Buloxibutid inhibits release of pro-inflammatory cytokines through inhibition of NF- $\kappa$ B signaling



## Anti-Fibrotic

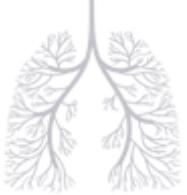
Buloxibutid restores dysfunctional AEC2 and surfactant production, normalizes TGF $\beta$ 1 levels, inhibits EMT and collagen deposition, as well as breaks down existing collagen build up



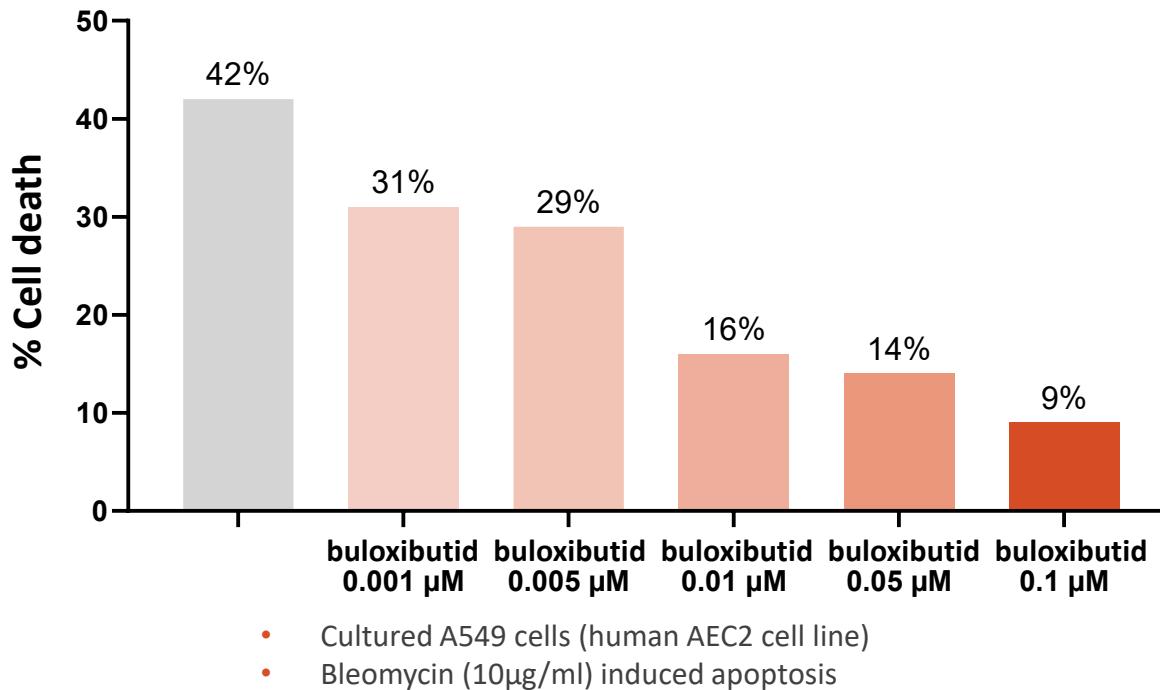
## Reverses Vascular Remodeling

Buloxibutid reverses vascular remodeling and drives vasodilation through NO release

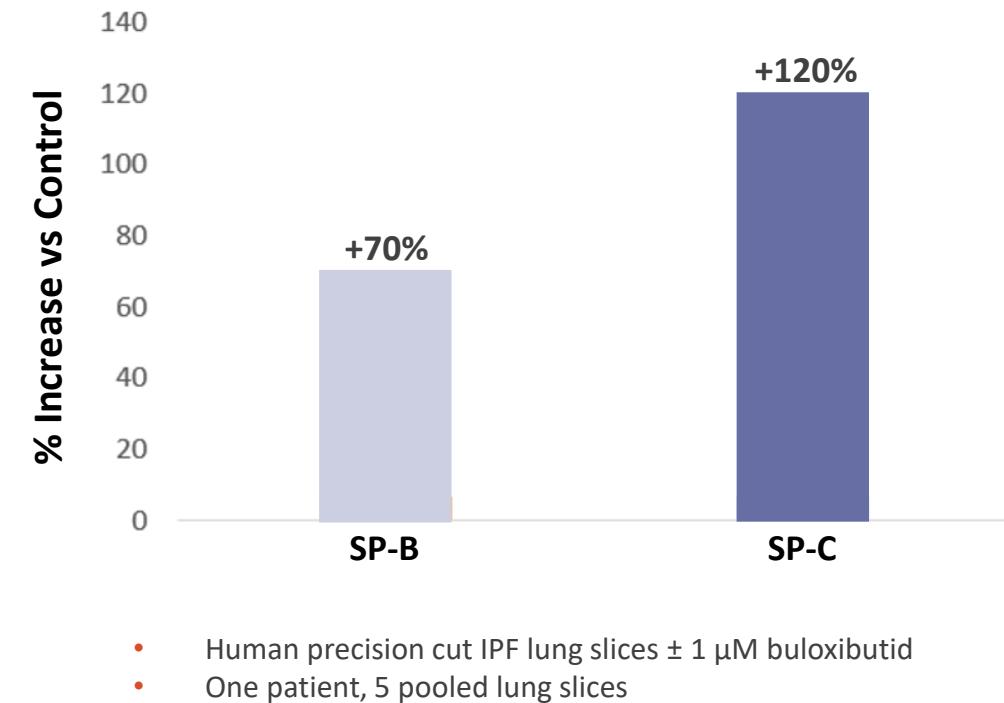
# Buloxibutid protects AEC2s and drives increased surfactant production



## Buloxibutid protects AEC2 cells against apoptosis<sup>1</sup>



## Surfactant protein expression increased by buloxibutid in *ex vivo* human IPF precision cut lung slices<sup>2</sup>

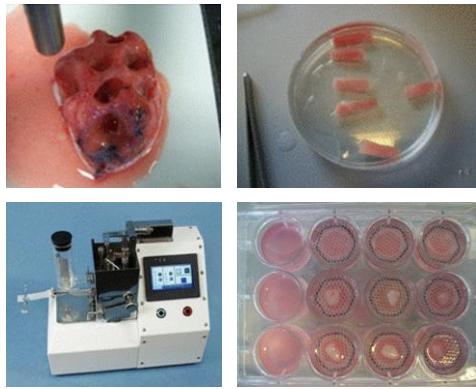


Treatment with buloxibutid protects AEC2s, driving increased surfactant production to address alveolar collapse

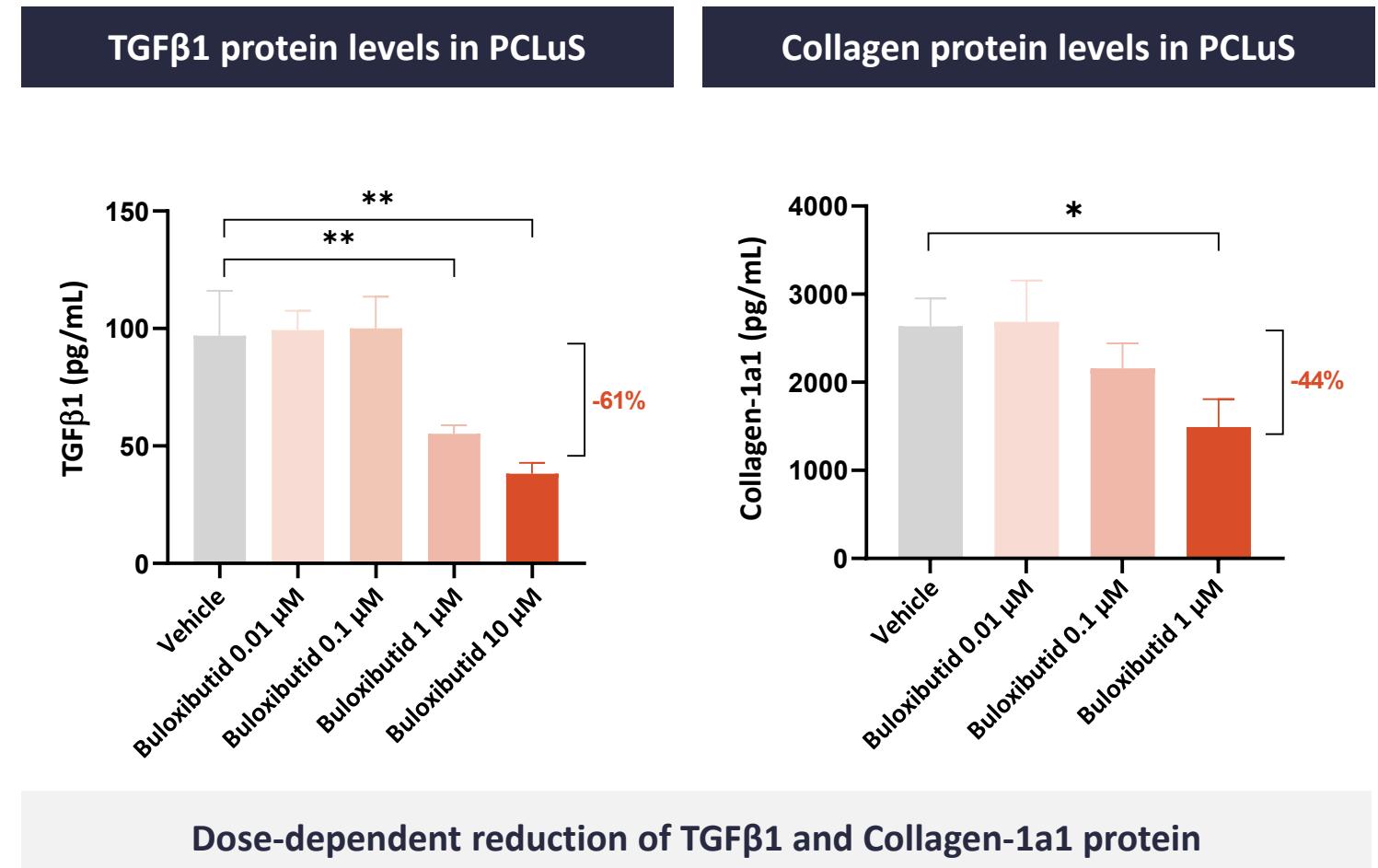
# Buloxibutid reduces TGF $\beta$ 1 and collagen in human IPF lung slices



## Human precision cut lung slices (PCLuS)



- Lung tissue collected from IPF patients undergoing transplant
- Intrinsic fibrosis, no stimuli added

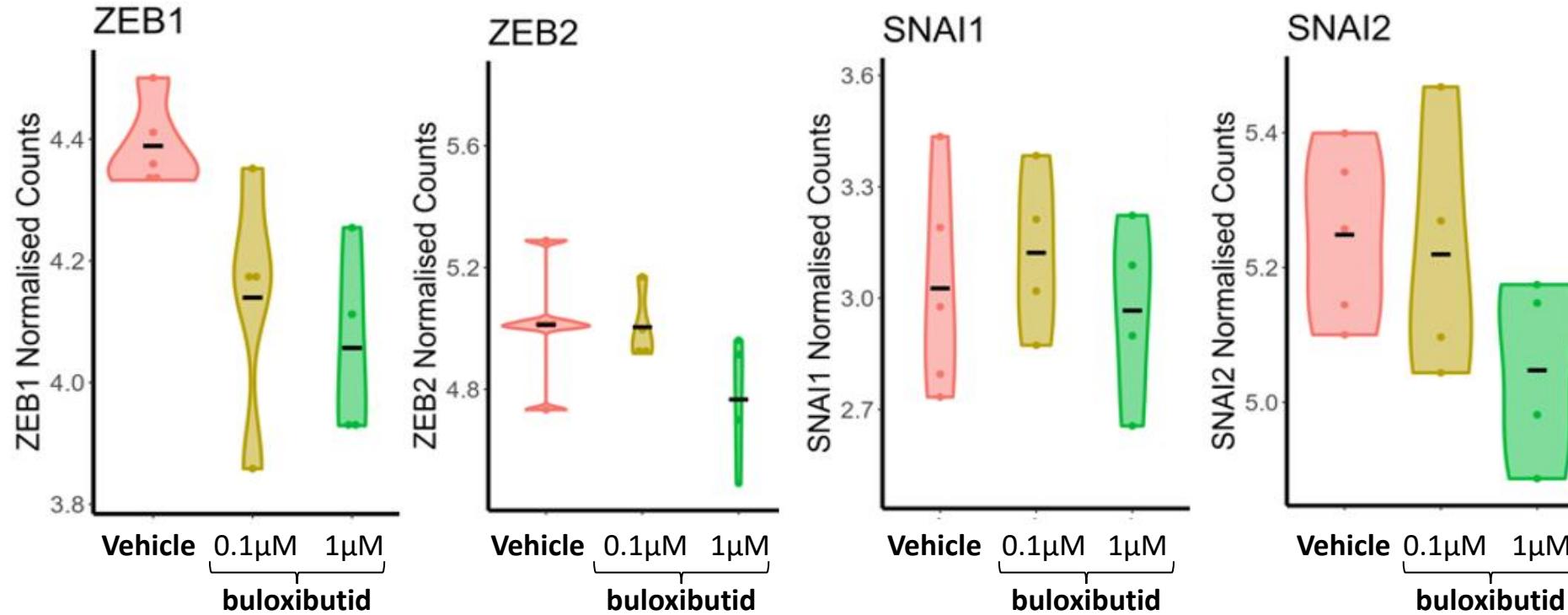


Data represent averages +/- SEM of Plus 5 separate tissue slices at each concentration, sampled after 144h exposure to buloxibutid or vehicle

Source: Vicore data on file

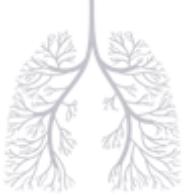
\*p<0.05, \*\*p<0.01, \*\*\*p<0.001; t-test versus vehicle

# Buloxibutid downregulates expression of EMT transcription factors in AEC2

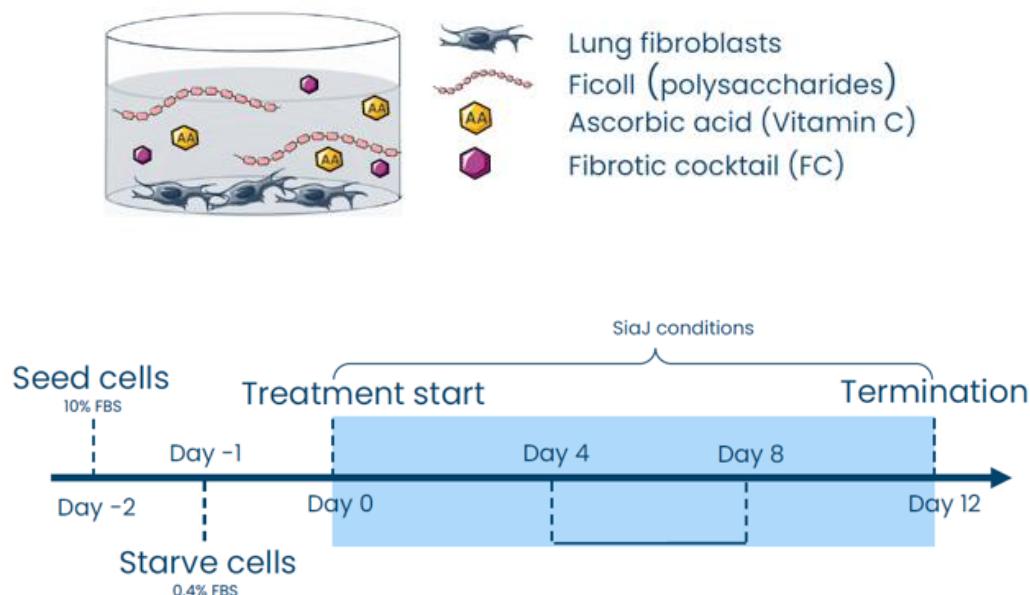


- Primary AEC2 cultures established from normal surgically resected human lung
- Buloxibutid treatment under baseline conditions with no stimuli added

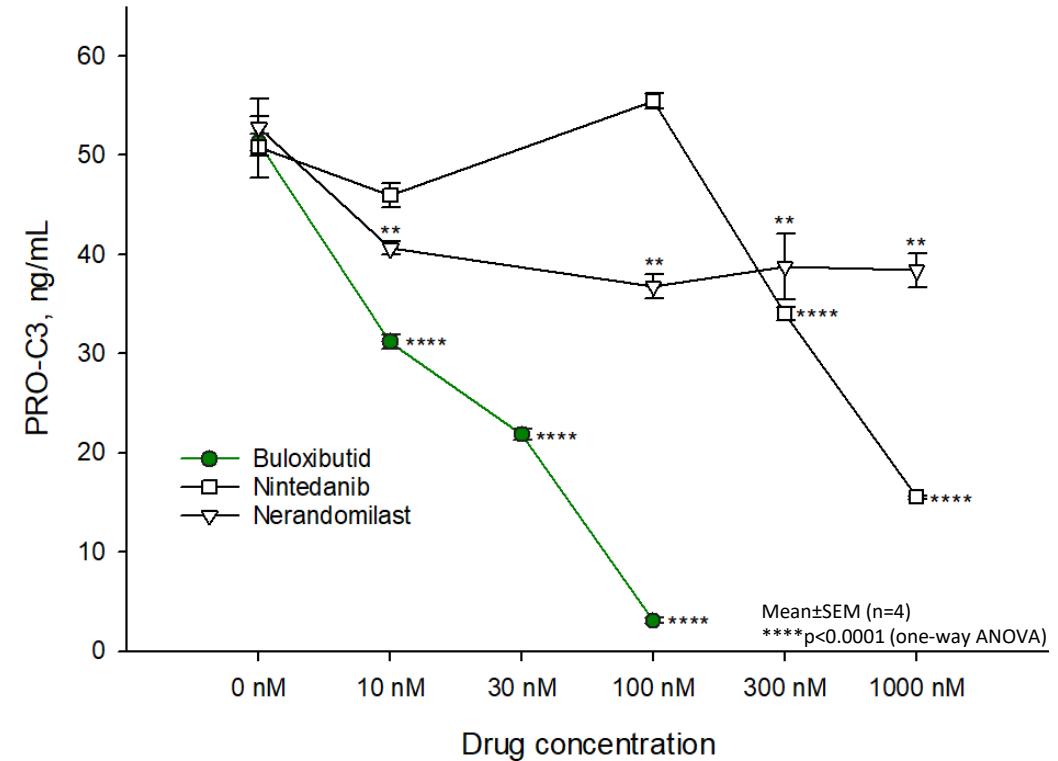
# Buloxibutid potently inhibits fibrosis in a human lung fibroblast assay



## Human lung fibroblast assay methodology



## Impact on type III collagen biomarker PRO-C3



Buloxibutid potently and dose-dependently inhibited PRO-C3, reflecting inhibition of type III collagen formation and fibrotic activity. The superior in vitro performance of buloxibutid vs. nintedanib and nerandomilast on the IPF biomarker PRO-C3 reflecting fibrotic progression underscores its robust anti-fibrotic mechanism of action

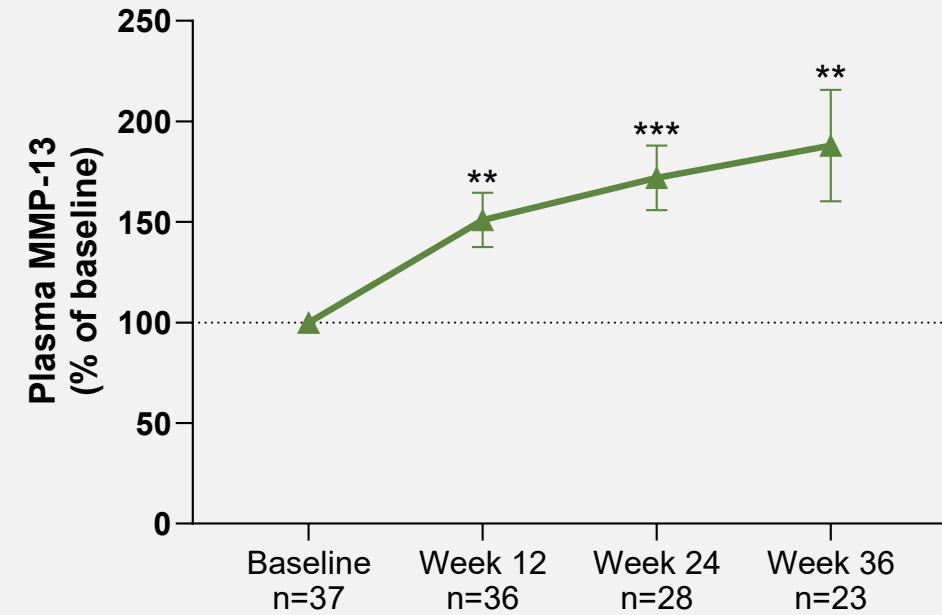
# MMP-13 demonstrates antifibrotic activity and is crucial for lung repair in IPF



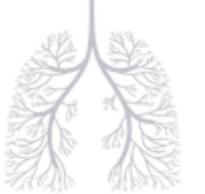
## Collagenase MMP dysregulation contributes to IPF pathogenesis

- MMP-13 is an enzyme able to cleave fibrillar collagens and plays a significant role in the degradation of the ECM
- In mouse models, MMP-13 deficiency has been shown to<sup>1,2</sup>:
  1. Decrease collagenolytic activity
  2. Promote lung fibrosis
  3. Attenuate fibrosis resolution

## Buloxibutid increased plasma MMP-13 in the Phase 2a AIR trial



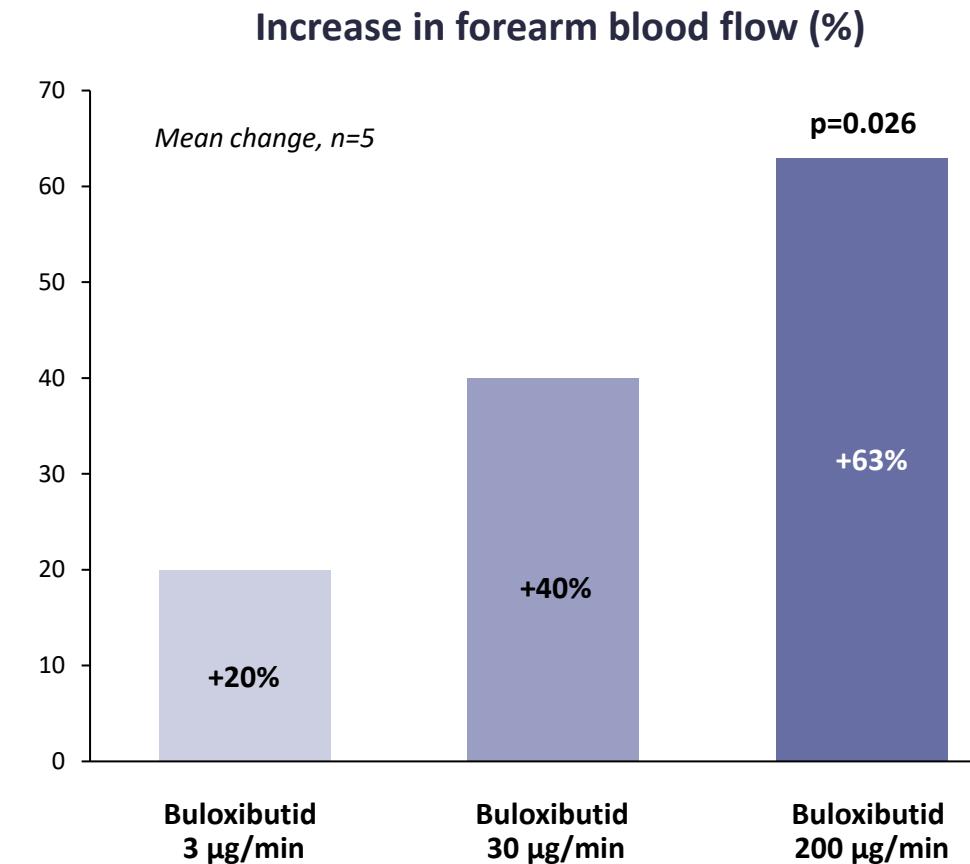
Buloxibutid significantly increased plasma levels of the fibrolytic collagenase MMP-13, indicating that buloxibutid has the potential to degrade fibrosis



# Buloxibutid's vascular effects are clinically validated

## Buloxibutid's vascular effects (vasodilation) are clinically validated in a forearm blood flow trial in healthy volunteers

- Buloxibutid shows dose-dependent increase in local blood flow
- Blood flow increased by 63% ( $p=0.026$ ), without reducing systemic blood pressure or causing other side effects
- Local blood concentrations of buloxibutid in line with those reached with oral treatment
- No severe or serious TEAEs were reported

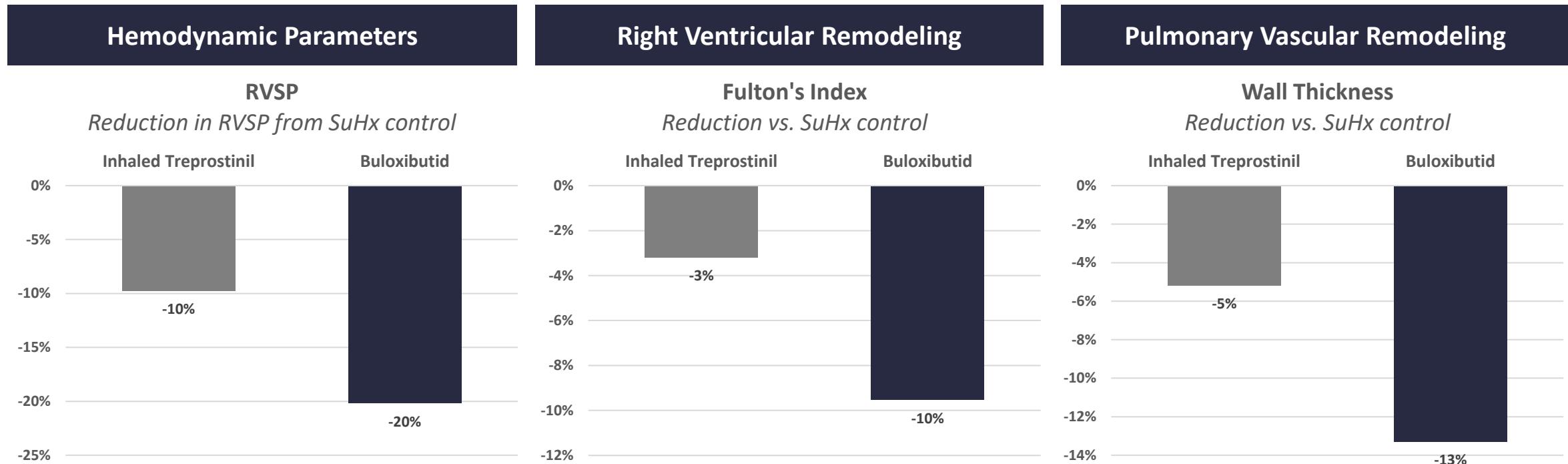


**Buloxibutid addresses endothelial dysfunction and increases local blood flow, mediated by nitric oxide (NO) released from the endothelium**

# Buloxibutid shows greater reduction in key hemodynamic and vascular remodeling parameters compared to inhaled treprostinil in preclinical Sugen-Hypoxia rat model



Inhaled treprostinil and buloxibutid were evaluated in separate studies using the same study protocol

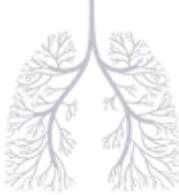


*Inhaled treprostinil:* adapted from Corboz, et al., J. Pharmacol. Exp. Ther. 2022 – Dose: 65 µg/kg

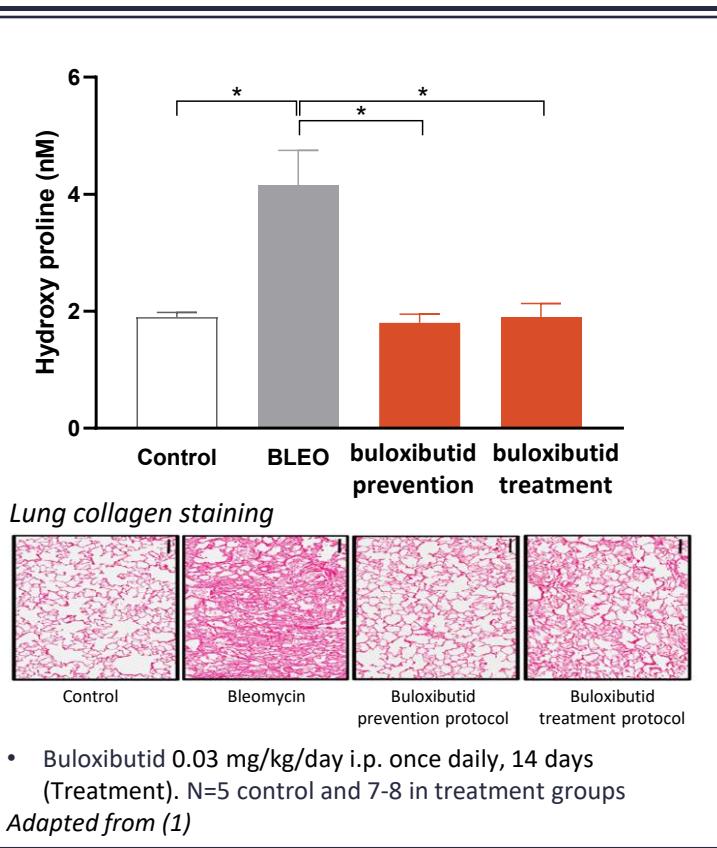
*Buloxibutid:* adapted from Tornling, et al., Int. J. Mol. Sci. 2023 – Dose: average result of 2µM and 20µM dose

Clinically relevant doses of buloxibutid shows greater reduction compared to the Sugen-Hypoxia control than clinically relevant dose of inhaled treprostinil across key readouts, including RVSP, mPAP (data not shown), Fulton's index, wall thickness and muscularization (data not shown)

# Strong preclinical *in vivo* evidence for buloxibutid in pulmonary fibrosis

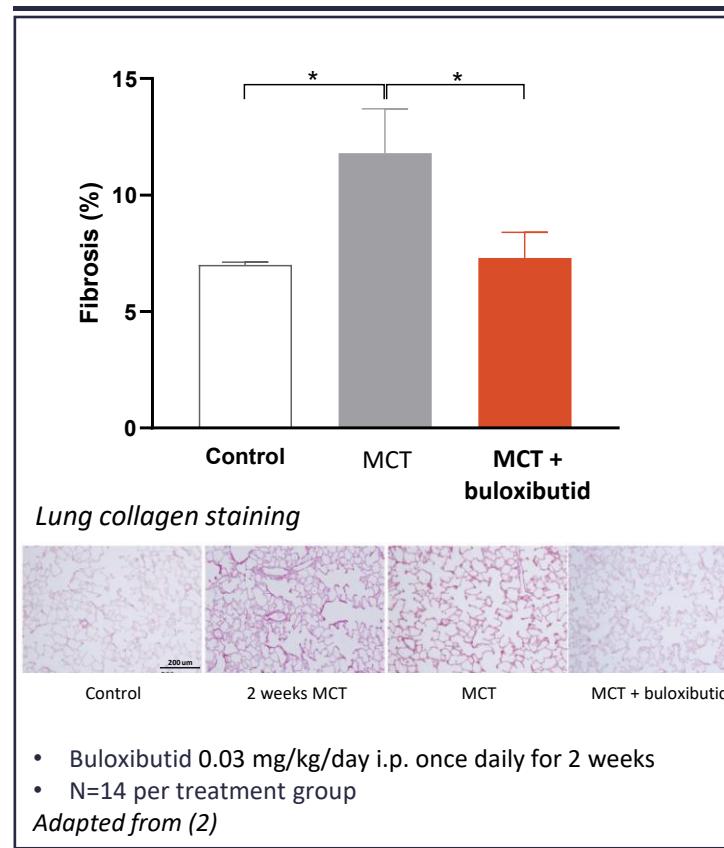


## Bleomycin



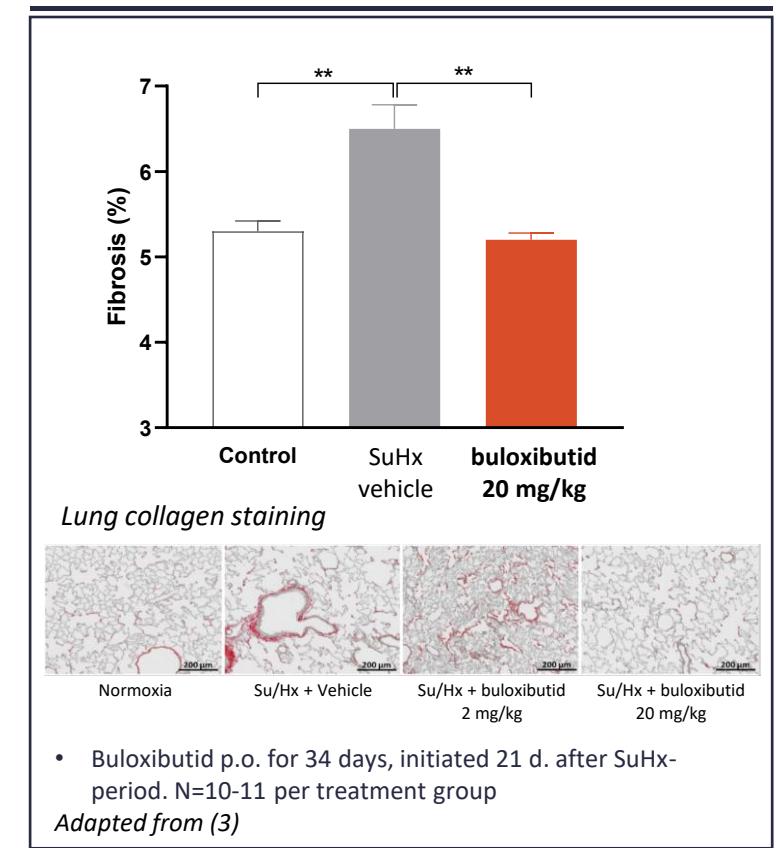
- Normalized collagen synthesis and attenuation of disrupted lung architecture

## Monocrotaline



- Reversal of pulmonary fibrosis and prevention of right ventricular fibrosis
- Reversal of vascular remodeling and improved right heart function

## Sugen-Hypoxia



- Reversal of fibrosis
- Reversal of vascular remodeling
- Reduced RVSP and right ventricular hypertrophy

# Buloxibutid has an extensive and robust safety database, with over 350 patients dosed across nine completed clinical trials



## Buloxibutid has been tested extensively in the clinic, generating a robust safety database

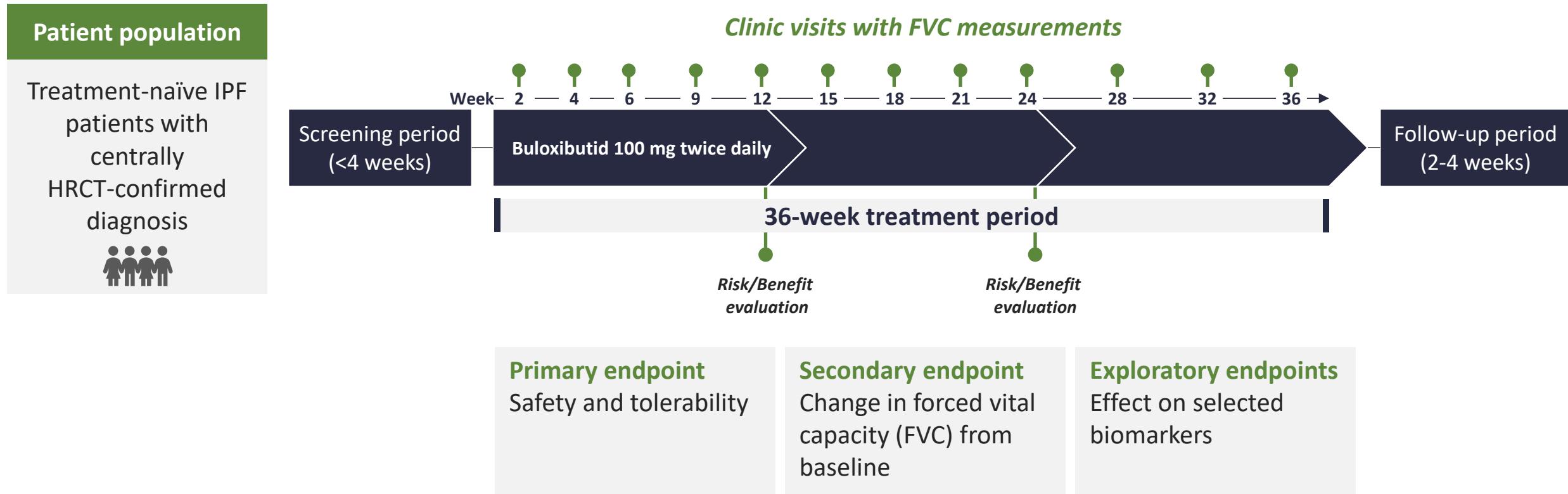
- Not including patients enrolled in the ongoing Phase 2b ASPIRE trial, a total of 366 trial participants have been exposed to buloxibutid over the course of 9 completed clinical trials
- In the recently completed Phase 2a AIR trial, IPF patients were exposed to buloxibutid for 36 weeks



## No significant safety risks have been identified for buloxibutid

- The only identified risk of treatment with buloxibutid is reversible, mild to moderate hair loss, observed in 19% of participants in the Phase 2a AIR trial
- Across the robust safety dataset, there have been no treatment-related SAEs

# AIR: An open-label Phase 2a trial of oral buloxibutid 100 mg BID for up to 36 weeks in treatment-naïve IPF patients





# AIR baseline patient characteristics are in line with other IPF trials

## Key Characteristics

	AIR (N=52)	INPULSIS 1&2 (N=1,061) <sup>1</sup>	
Age (years) - Mean (SD)	<b>67 (9)</b>	67 (8)	In line with other trials.
Gender	Males Females	<b>77%</b> <b>23%</b>	80% 20%
Ethnicity	White Asian	<b>27%</b> <b>73%</b>	57% 30%
BMI (kg/m <sup>2</sup> ) – Mean (SD)	<b>24.6 (4.1)</b>	28 (4.6)	
FVC % predicted - Mean (SD)	<b>75.5 (14)</b>	79.7 (17)	In line with other trials.
% SoC	Pirfenidone Nintedanib	<b>0%</b> <b>0%</b>	0% 0%

Enrolled study population has disease progression comparable to global IPF study populations.

As with the INPULSIS trials, AIR patients were treatment-naïve.

# Treatment emergent adverse events: buloxibutid shows better tolerability than SoC



	Comparison to SoC		Buloxibutid
	Ph3 INPULSIS-1 52-week treatment <sup>1</sup>		Ph2a AIR 36-week treatment
	Nintedanib n=309	Placebo n=204	Buloxibutid n=52
Any AE	96%	89%	71%
Common AEs (Non-exhaustive)			
Diarrhea	62%	19%	6%
Nausea	23%	6%	4%
Acute exacerbation of IPF	10%	10%	6%
Cough	15%	13%	8%
Vomiting	13%	2%	2%
COVID-19	n/a	n/a	6%
Hair loss <sup>2</sup>	n/a	n/a	19%
Fatal AE	4%	5%	4%
Severe AE	26%	18%	6%
Serious AE	31%	27%	10%

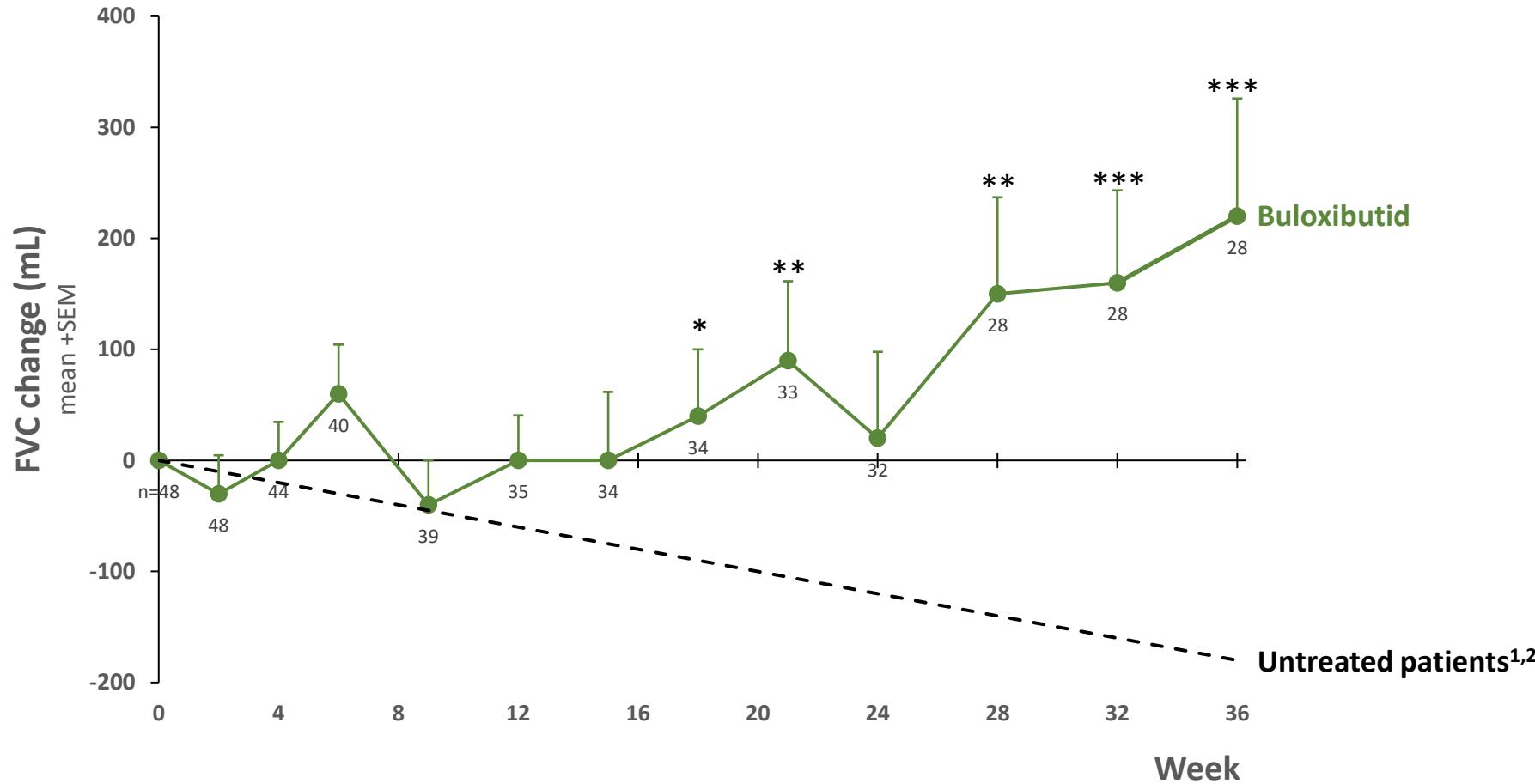
Good GI tolerability

Low rate of exacerbations and cough worsening

No serious, severe, or fatal AEs related to buloxibutid

Buloxibutid has a favorable tolerability profile allowing it to be combined with other therapies for IPF

# Buloxibutid stabilizes and improves lung function over the 36-week AIR trial



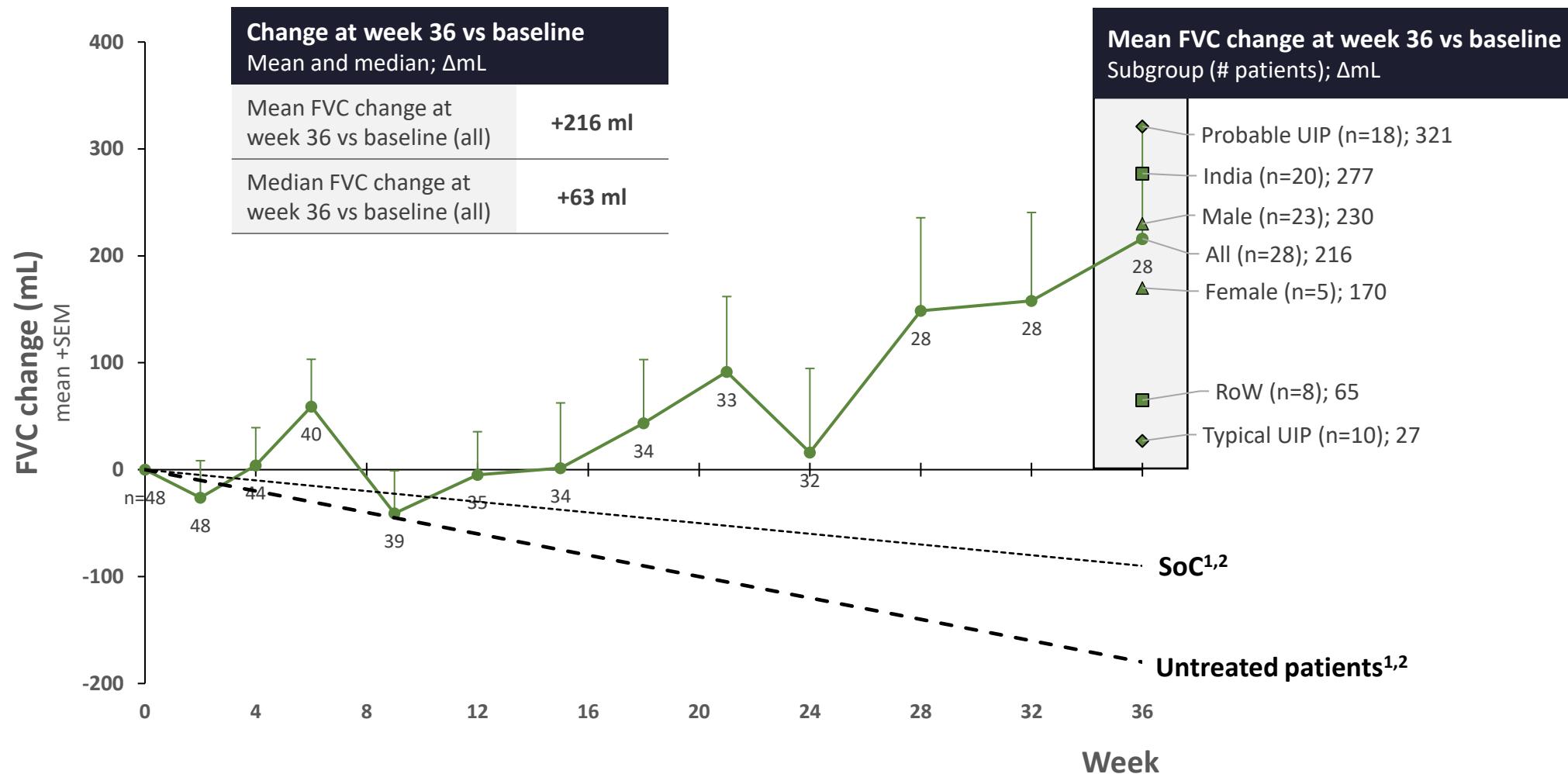
Note: n=48 patients with 2-week FVC data. Observed values, no imputation.

\*p<0.05, \*\*p<0.01, \*\*\*p<0.001; t-test versus expected untreated decline corresponding to -120 mL/24 weeks

<sup>1</sup>Noble et al. Eur Respir J. 2016 Jan; 47(1): 243–253

<sup>2</sup>Richeldi et al. Engl J Med 2014; 370:2071–2082

# All subgroups show FVC stabilization and improvement over baseline at 36 weeks

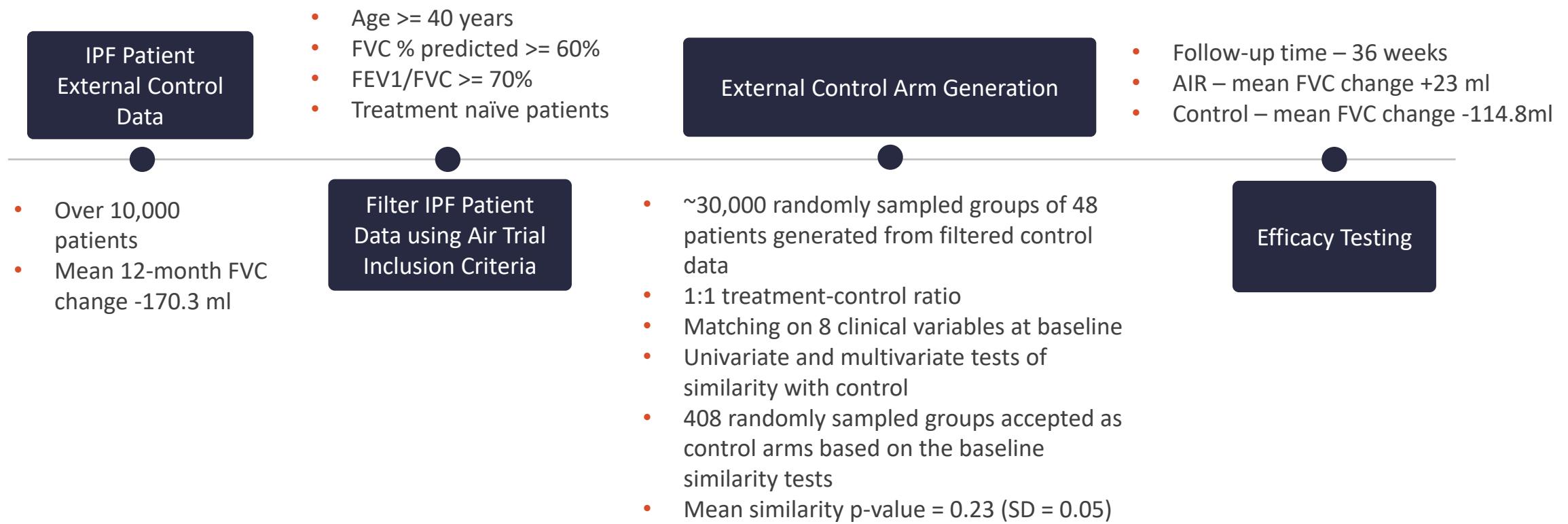


Note: Probable UIP and Typical UIP according to HRCT categorization at baseline.

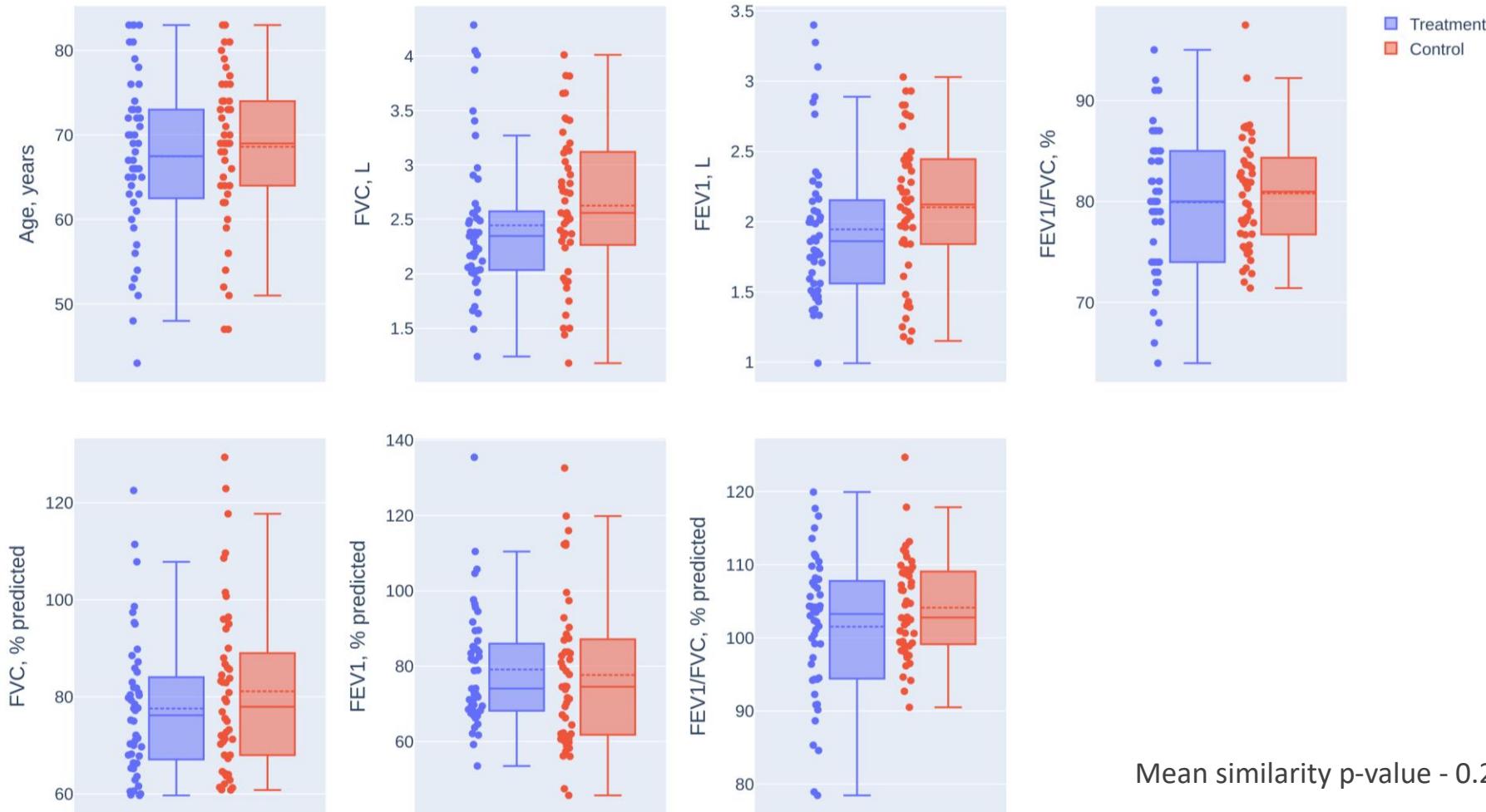
<sup>1</sup>Noble et al. Eur Respir J. 2016 Jan; 47(1): 243–253

<sup>2</sup>Richeldi et al. Engl J Med 2014; 370:2071–2082

# Development of a Synthetic Control Arm analysis to contextualize buloxibutid's effect in the Phase 2a AIR study



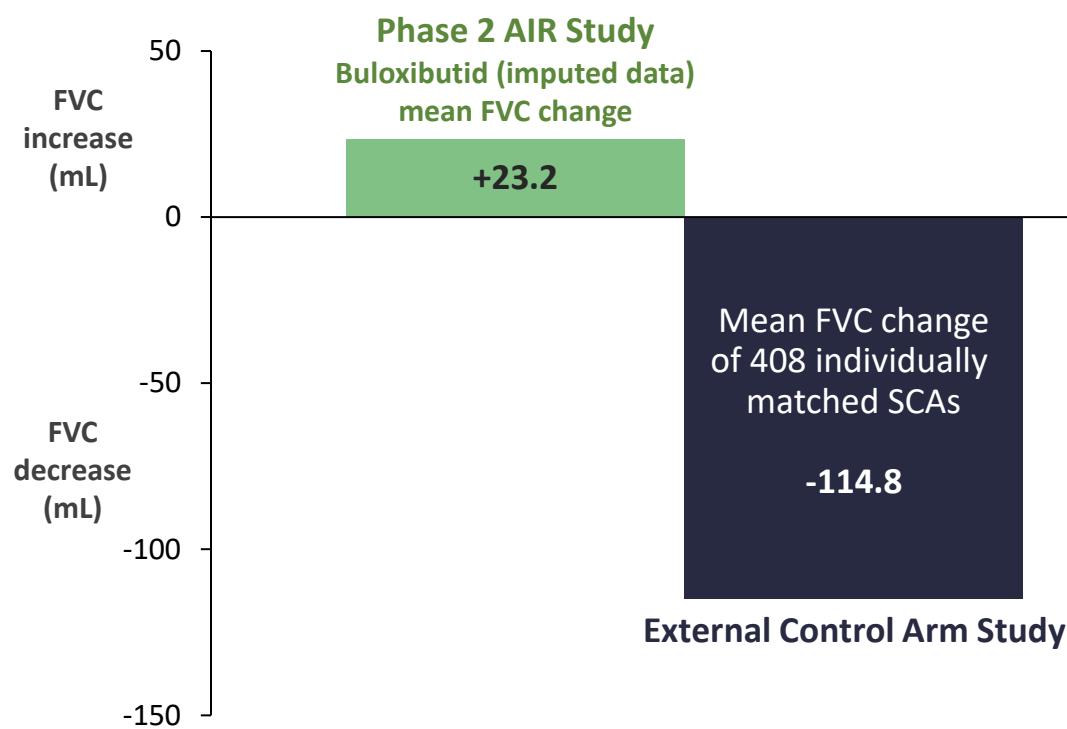
# IPF patients selected for the Synthetic Control Arm analysis are highly matched to the Phase 2a AIR patient baseline characteristics



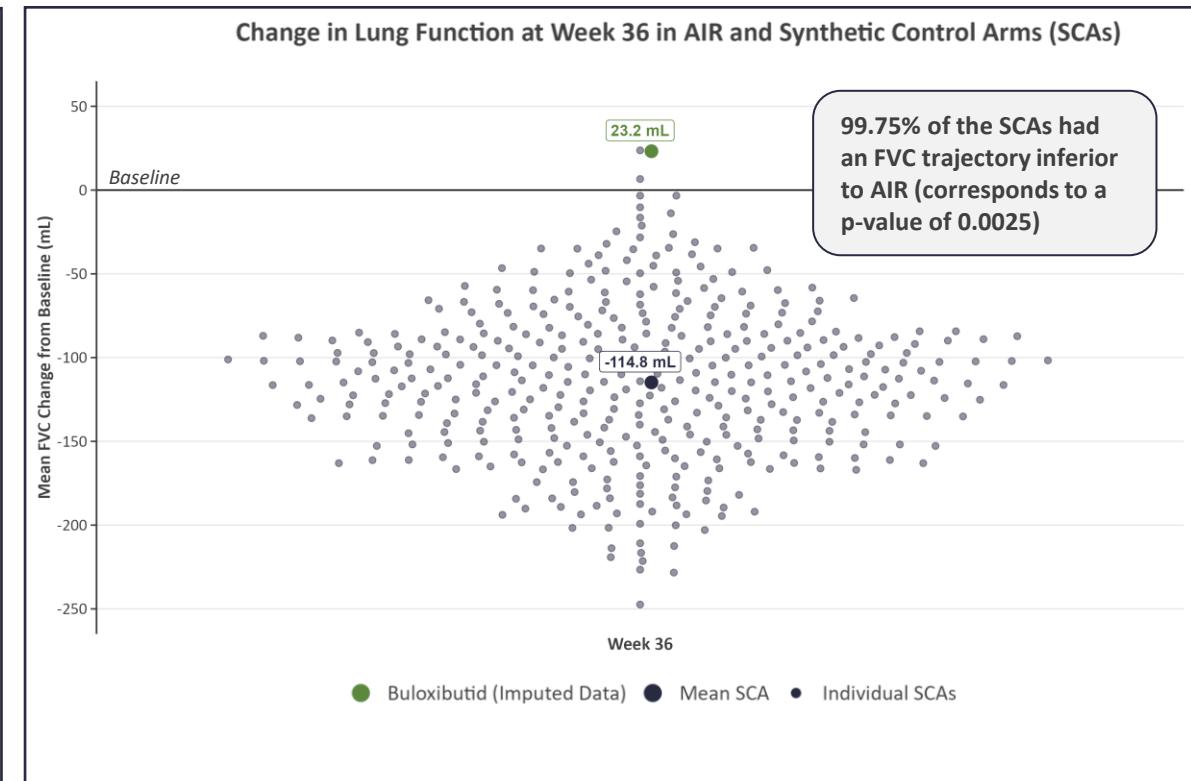
# A Synthetic Control Arm analysis demonstrates buloxibutid's robust treatment effect



Change in FVC in the Phase 2a AIR IPF trial compared to the external control arm study



408 individual matched Synthetic Control Arms (SCAs) generated by Monte Carlo cross validation

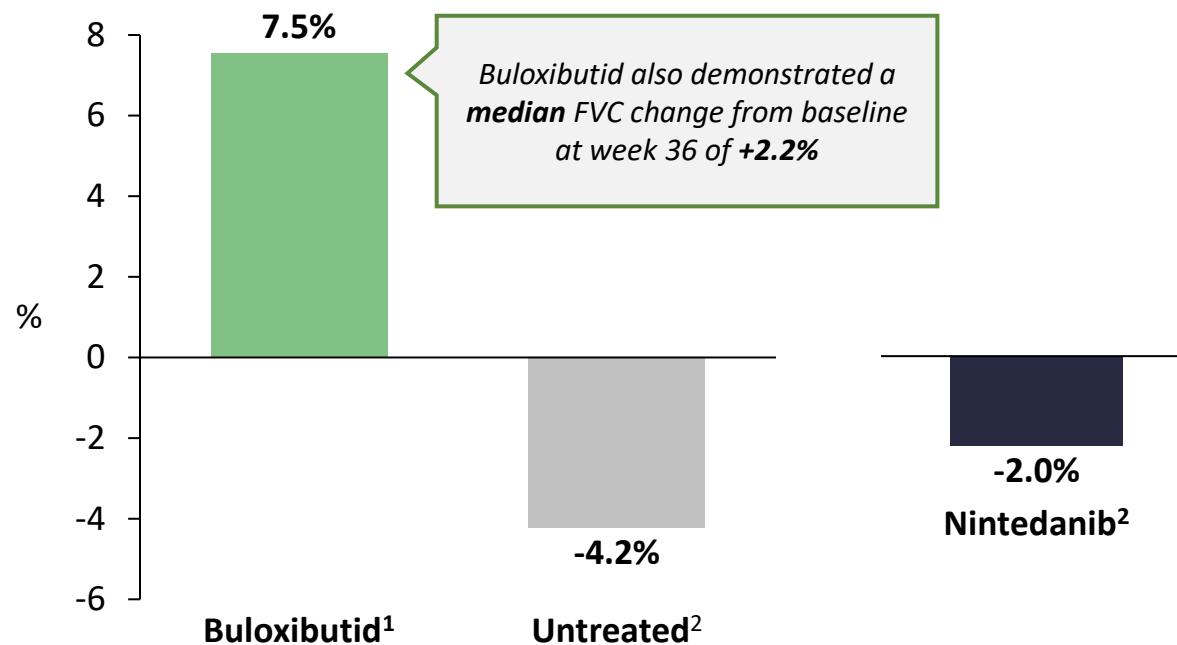


The Monte Carlo approach demonstrates that in patients without significant differences in core baseline parameters, buloxibutid showed statistically significant treatment effect compared to control FVC distribution

# Buloxibutid drives a significant increase in ppFVC, consistent with its impact on absolute FVC

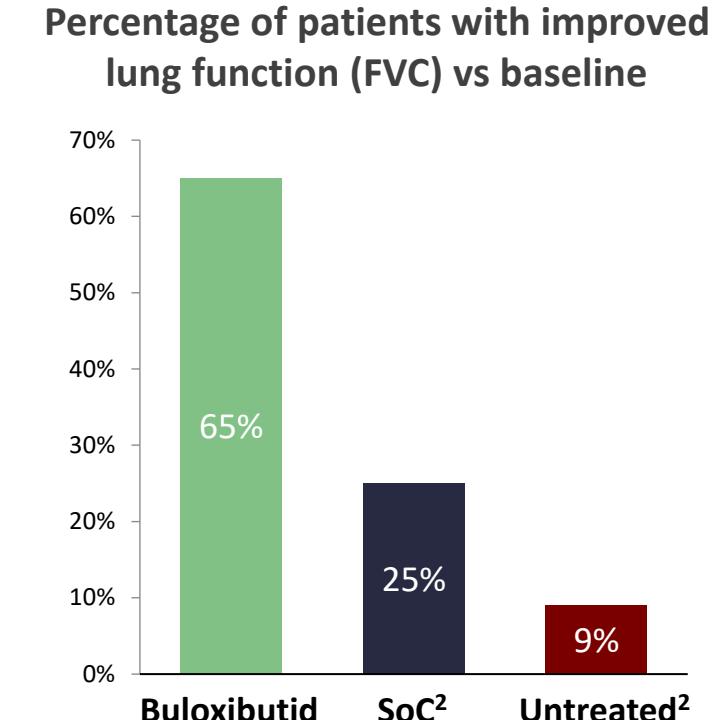
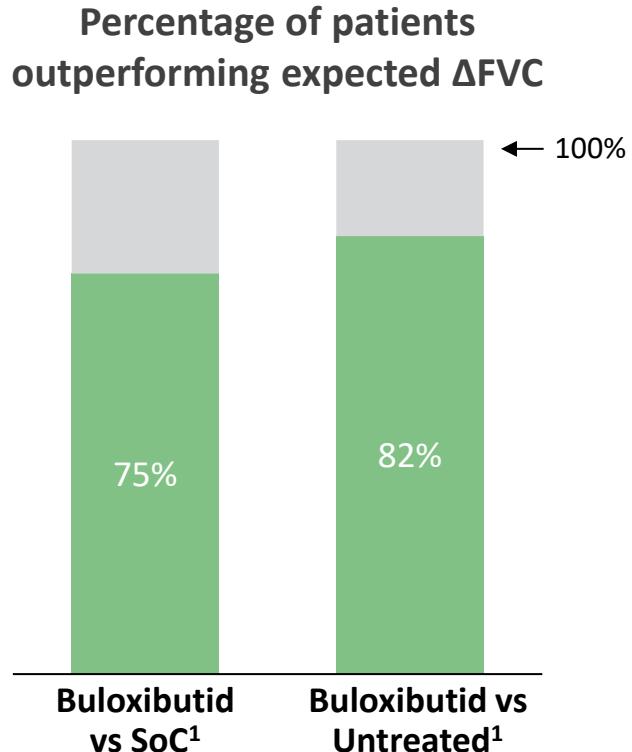


Average ppFVC change from baseline at week 36



Average increase of 7.5% precent predicted FVC at 36 weeks from baseline

# Buloxibutid outperforms historical standard of care and untreated decline at 36 weeks



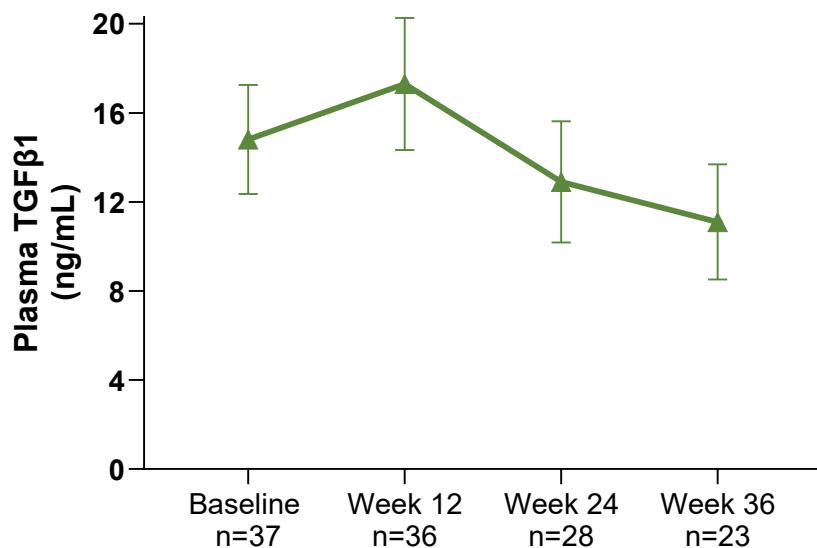
Buloxibutid outperforms expected change in FVC of untreated patients and those treated with current standard of care at 36 weeks

Most patients treated with buloxibutid experience improved lung function at 36 weeks, outperforming historical SoC and untreated patients

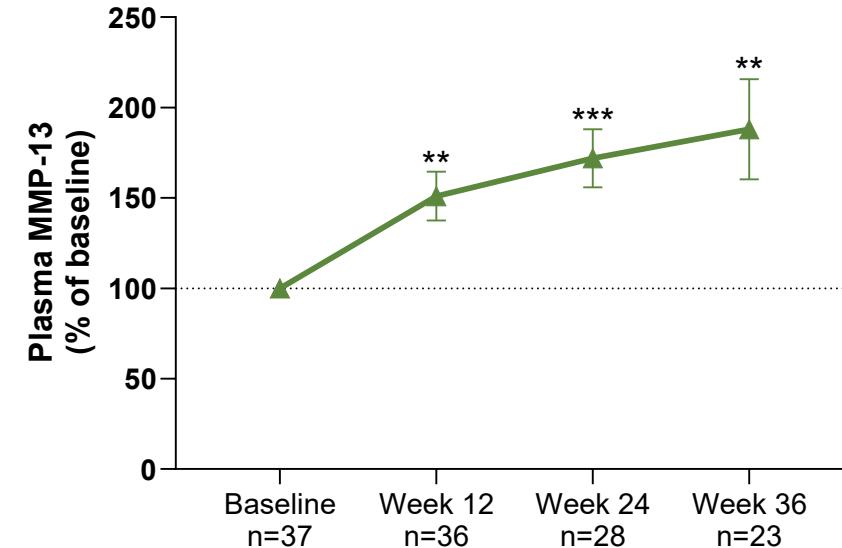
# Buloxibutid increases collagenase MMP-13 drives a trend of decreased TGF $\beta$ 1



Plasma TGF $\beta$ 1



Plasma MMP-13

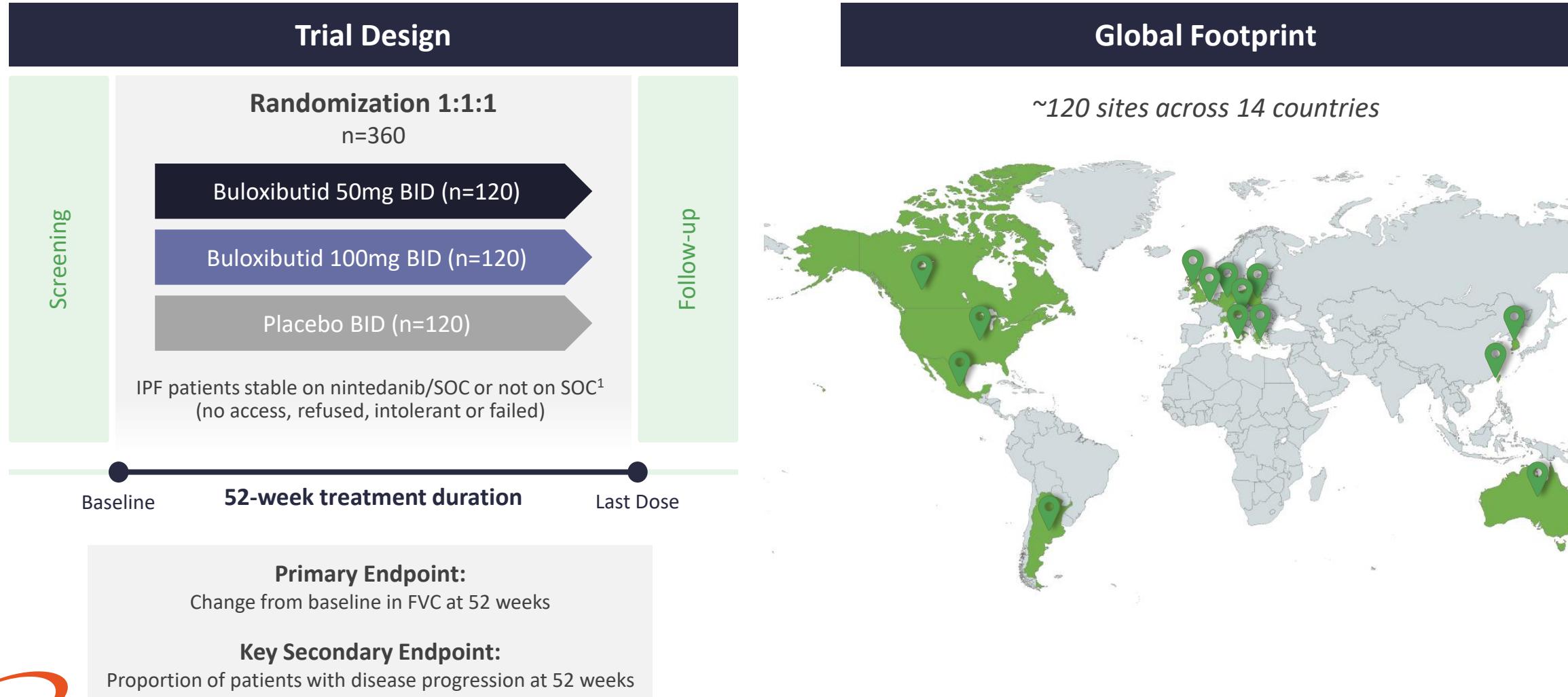


TGF $\beta$ 1 is a key fibrotic driver in IPF; reduced TGF $\beta$ 1 is consistent with buloxibutid's mechanism of action and translational data

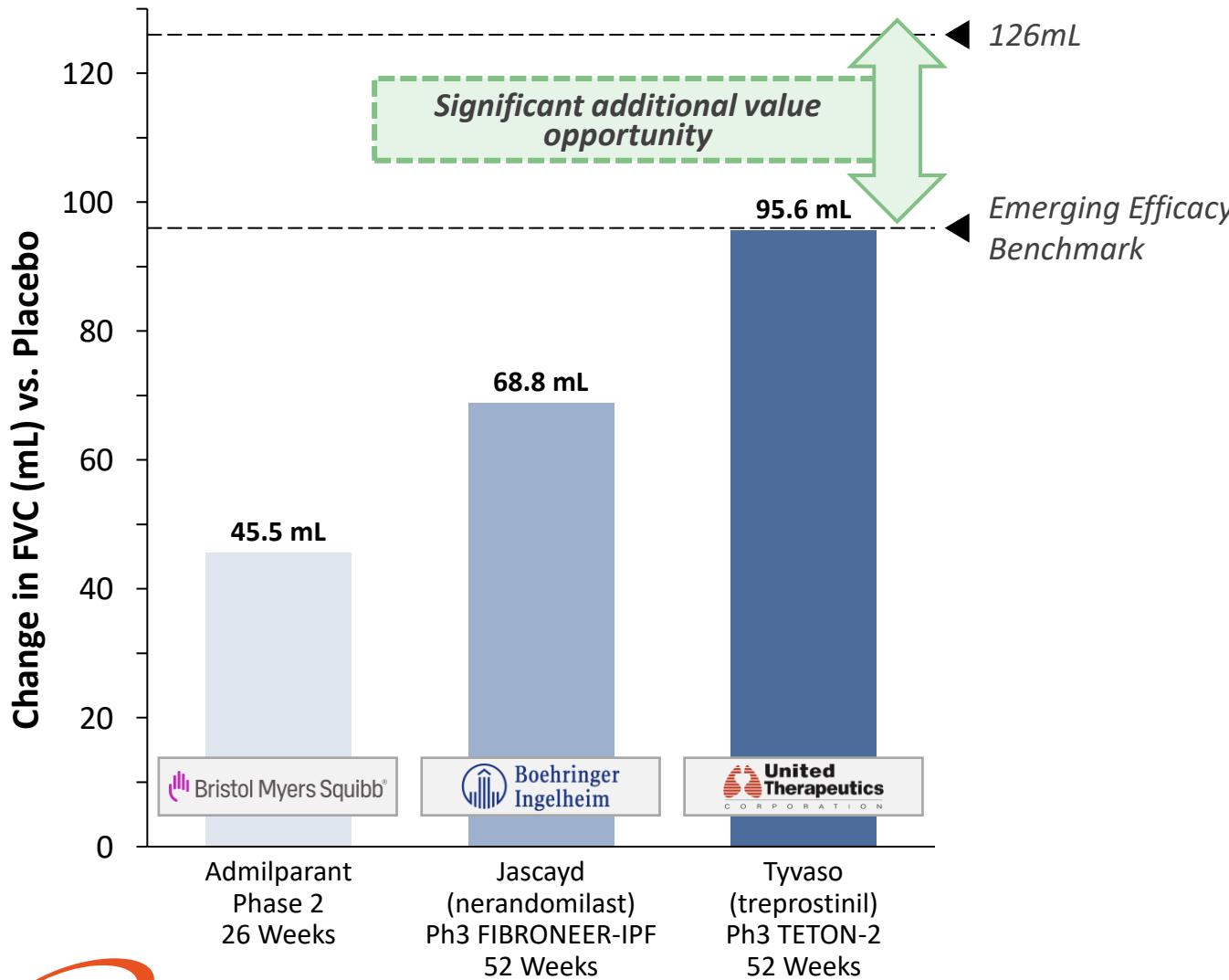
MMP-13 is an antifibrotic collagenase that plays a key role in fibrotic resolution

# Phase 2b ASPIRE Trial: Robust randomized trial with global footprint

ASPIRE is a randomized, double-blind, placebo-controlled, parallel-group, multicenter, dose-finding trial



# The ASPIRE trial is designed to capture the significant unmet need and commercial opportunity beyond emerging SOC



## Phase 2b ASPIRE trial

*Designed to exceed emerging efficacy benchmark*

### Evolving Landscape

Recent positive readouts reinforce the opportunity for tolerable therapies that can further reduce the decline in lung function

### Blockbuster Potential

The trial is powered to ensure it can capture a broad efficacy range that would position buloxibutid as the most effective therapy for IPF to date in a multi-billion-dollar market

### Operational Confidence

Enrollment is progressing as planned; full enrollment expected in 1H 2026



# Vicore's partnership with Nippon Shinyaku for buloxibutid in Japan



## Partnership Overview

Vicore Pharma and Nippon Shinyaku have entered an exclusive license agreement to **develop and commercialize the drug candidate buloxibutid in Japan.**

## Financial Terms

Vicore has received an **upfront payment of USD 10 million** and is eligible for up to **USD 275 million in milestones**, plus tiered royalties on net sales in Japan up to the low 20s. In addition, Nippon Shinyaku will cover a portion of global non-clinical, CMC, and late-stage clinical development costs.

## Strategic Benefits

The partnership leverages Nippon Shinyaku's **local expertise to address IPF**, a condition with limited treatment options in Japan, enhancing Vicore's global IPF strategy. Nippon Shinyaku is a **leader in the development of therapies for rare respiratory diseases** in Japan, including the discovery and development of Uptravi for PAH.

# Vicore has a platform of proprietary ATRAGs



## Buloxibutid – a first-in-class drug for rare lung diseases

- Orphan drug status in IPF granted – Market exclusivity for 7 years in the US and up to 10 years in the EU and Japan.
- Vicore has dosage form and method-of-use IP granted in the US and EU covering buloxibutid, with expiry in 2042 before considering PTE or SPC\*.



## Follow-on compounds provide life-cycle-management optionality in IPF and complementary indications, as well as opportunities in a range of other diseases

- Optimized to drive differentiated biology and therapeutic activity in a range of potential diseases where the angiotensin II pathway can play a therapeutic role.
- Enable Vicore to significantly extend its AT2R franchise in respiratory diseases beyond buloxibutid, as well provide optionality to pursue a range of other diseases, either fully alone or in partnerships.



# Strong leadership team with extensive industry experience



## Board of Directors



AHMED MOUSA

CHIEF EXECUTIVE OFFICER

Experienced biotech executive with a background in molecular biology, law, and business development.



HANS JEPSSON, PhD  
CHIEF FINANCIAL OFFICER

Cross-disciplinary background in finance and medicine. Ex Danske Bank: Equity analyst.



PROF. BERTIL LINDMARK, MD, PhD  
CHIEF MEDICAL OFFICER

Extensive industry experience in respiratory and inflammatory diseases. Ex-AstraZeneca: Led the development of global brands like Pulmicort and Symbicort.



JOHAN RAUD, MD, PhD  
CHIEF SCIENTIFIC OFFICER

Ex AstraZeneca: Director of inflammation research. 25 years of experience in drug development.



MIKAEL NYGÅRD, PhD  
CHIEF OPERATING OFFICER

Experienced healthcare Business Development executive, has led M&A and Corporate Development functions.



HELEN BARKER  
VP AND HEAD OF CMC

Pharmaceutical scientist and business leader, with over 25 years experience delivering the technical and strategic development of novel compounds, devices, and companies.



JIMMIE HOFMAN  
VP BUSINESS DEVELOPMENT

Business Development executive with extensive deal-making experience.



### HANS SCHIKAN, PharmD – CHAIRMAN

25 years management experience in global pharmaceuticals (e.g. CEO of Prosensa). Extensive board work experience from US Nasdaq-listed biotech firms.

### ANN BARBIER, MD, PhD

More than 20 years of experience in drug discovery and development in rare diseases, including rare respiratory diseases.

### MICHAEL BUSCHLE, PhD

More than 25 years of experience in basic research as well as biotech and pharma R&D. Extensive board work experience from US Nasdaq-listed biotech firms.

### ELISABETH BJÖRK, MD, PhD

Broad drug development experience, currently leading global late-stage development activities in CVRM at AstraZeneca. Extensive board work experience in small and mid-size international life science companies.

### JACOB GUNTERBERG

Experienced venture capitalist and life science sector financier.

### HEIDI HUNTER

25 years in senior pharmaceutical development and commercialization positions.

### YASIR AL-WAKEEL, BM BCH

A seasoned executive board member and strategic advisor with focus on strategic finance and business development in biotech companies.



## Contact Us

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