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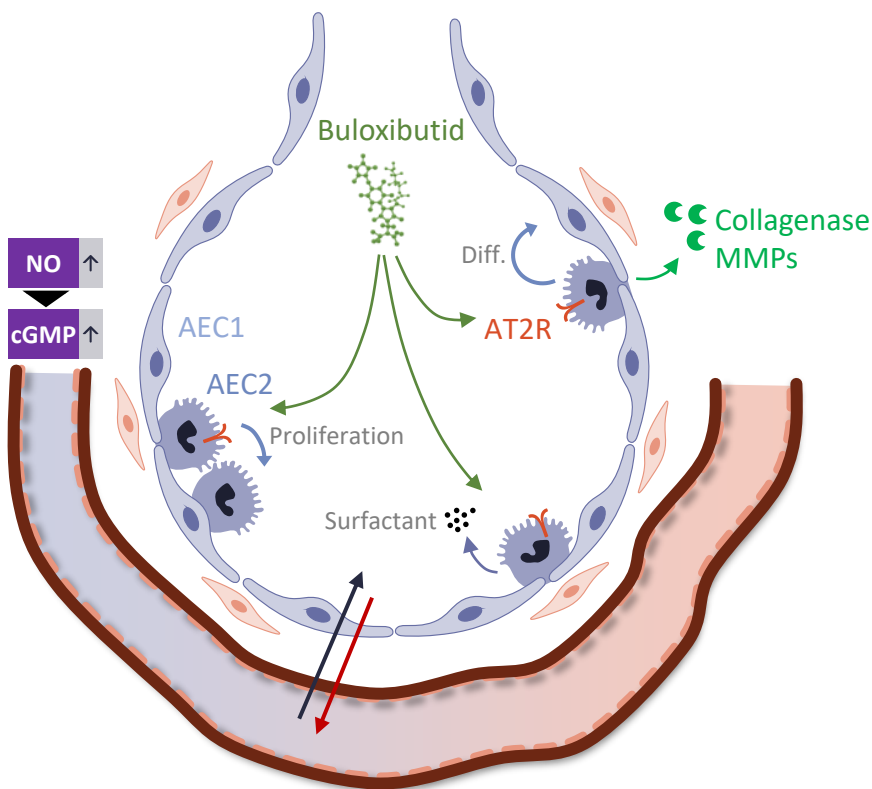
ASPIRE, a global, double-blind, randomized, placebo-controlled Phase 2b trial of buloxibutid, an angiotensin II type 2 receptor agonist, in idiopathic pulmonary fibrosis: trial design and patient characteristics

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Buloxibutid is an Oral Small Molecule AT2R Agonist Designed to Support Tissue Repair Through Alveolar Epithelial Type 2 cells (AEC2)

Buloxibutid is designed to target AT2R on AEC2^{1,2}



Buloxibutid:
Expected effects in IPF^{1,2}

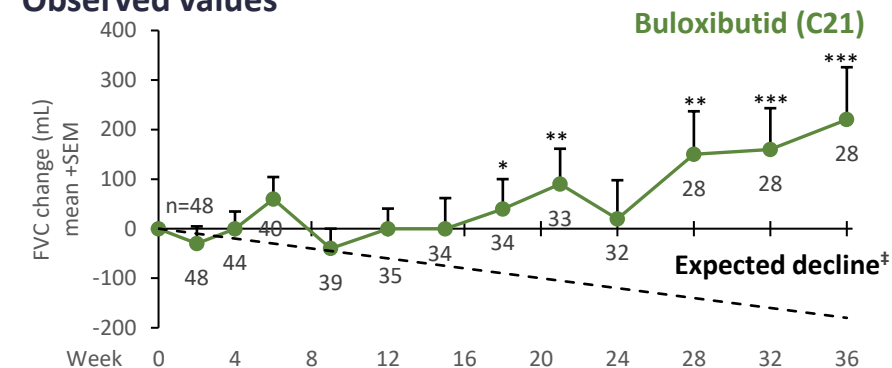
Increased AEC2 viability and surfactant production

Reduced TGF-β1 production, EMT, and collagen accumulation

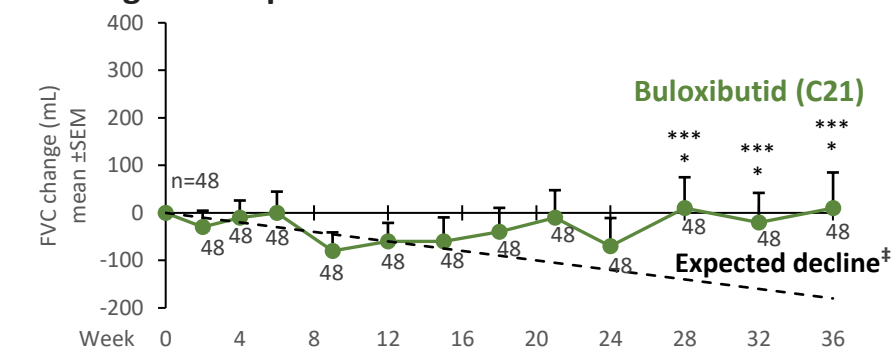
Anti-remodeling and vasodilatation (NO release)

Stabilization and improvement of FVC in the open label Phase 2a AIR study³⁻⁵

Observed values



Missing data imputed



‡ Expected average decline of 180 mL/36 weeks for untreated patients based on published placebo data.^{4,5}

*p<0.05, **p<0.01, ***p<0.001, t-test versus expected untreated decline.

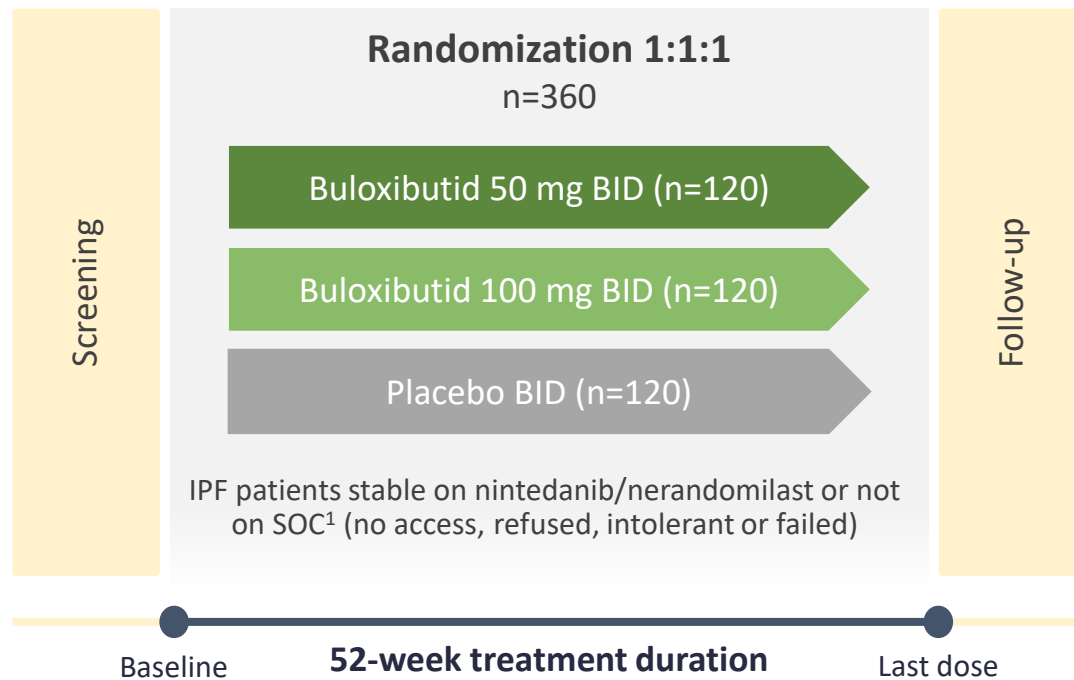
n=48 patients with 2-week FVC change from baseline data.

AEC2: alveolar epithelial type 2 cell; AT2R: angiotensin II Type 2 receptor; C21: compound 21; cGMP: cyclic guanosine monophosphate; EMT: epithelial-mesenchymal transition; FVC: forced vital capacity; IPF: idiopathic pulmonary fibrosis; MMP: matrix metalloproteases; NO: nitric oxide; SEM: standard error of the mean; TGF-β1: transforming growth factor beta 1.

1. Steckelings UM, et al. *Pharmacol Rev.* 2022; 74:1051–135; 2. Nalbandyan A et al. *FASEB* 2018; 32(S1):829.7; 3. Vicore data on file. ; 4. Noble PW et al. *Eur Respir J.* 2016; 47: 243–53; 5. Richeldi L et al. *N Engl J Med.* 2014; 370:2071–82.

The ASPIRE Trial in Patients with IPF was Designed to Assess Changes in FVC over 52 Weeks

Trial design



Enrollment complete: **n=378**

Primary endpoint

Absolute change from baseline in FVC at Week 52

Select secondary endpoints

Proportion of participants with $\geq 10\%$ FVCpp decline, a respiratory-related hospitalization, or death

Quality of life and IPF symptoms

Quantitative HRCT

Key inclusion and exclusion criteria



- Age ≥ 40 years
- Diagnosed with IPF within the last 7 years
- FVC $\geq 50\%$ predicted
- DLCO $\geq 30\%$ predicted
- UIP – prob. UIP on HRCT scan < 36 months
- Stable dose of approved IPF therapy



- Treatment with pirfenidone within 8 weeks
- FEV₁/FVC ratio < 0.7
- Heart failure NYHA Class IV
- PH with syncopal episode
- Acute IPF exacerbation within 3 months

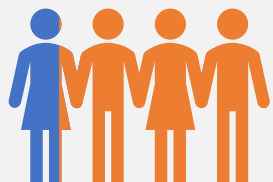
ASPIRE is a Global Trial Representing a Broad IPF Patient Population

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Characteristics, N=377*



21.8% female
78.2% male

Mean (SD) age at study entry:

71.1 (7.5) years

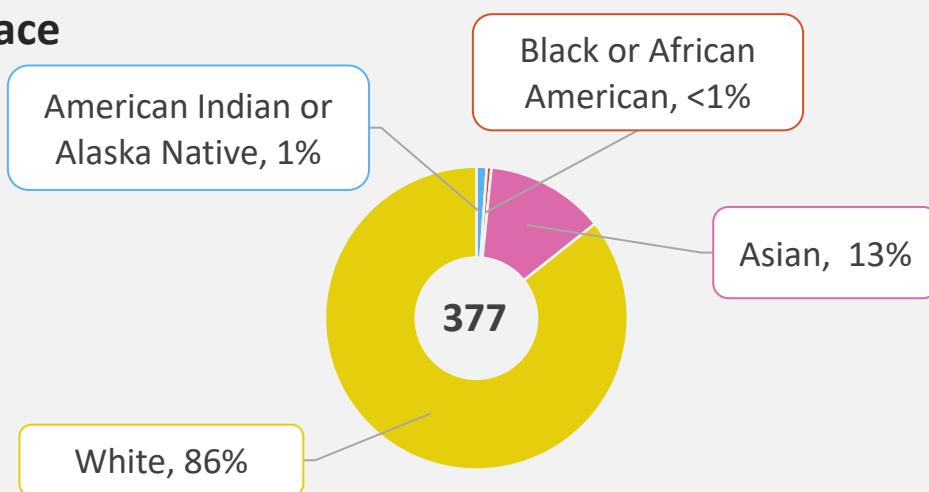


Mean (SD) BMI:

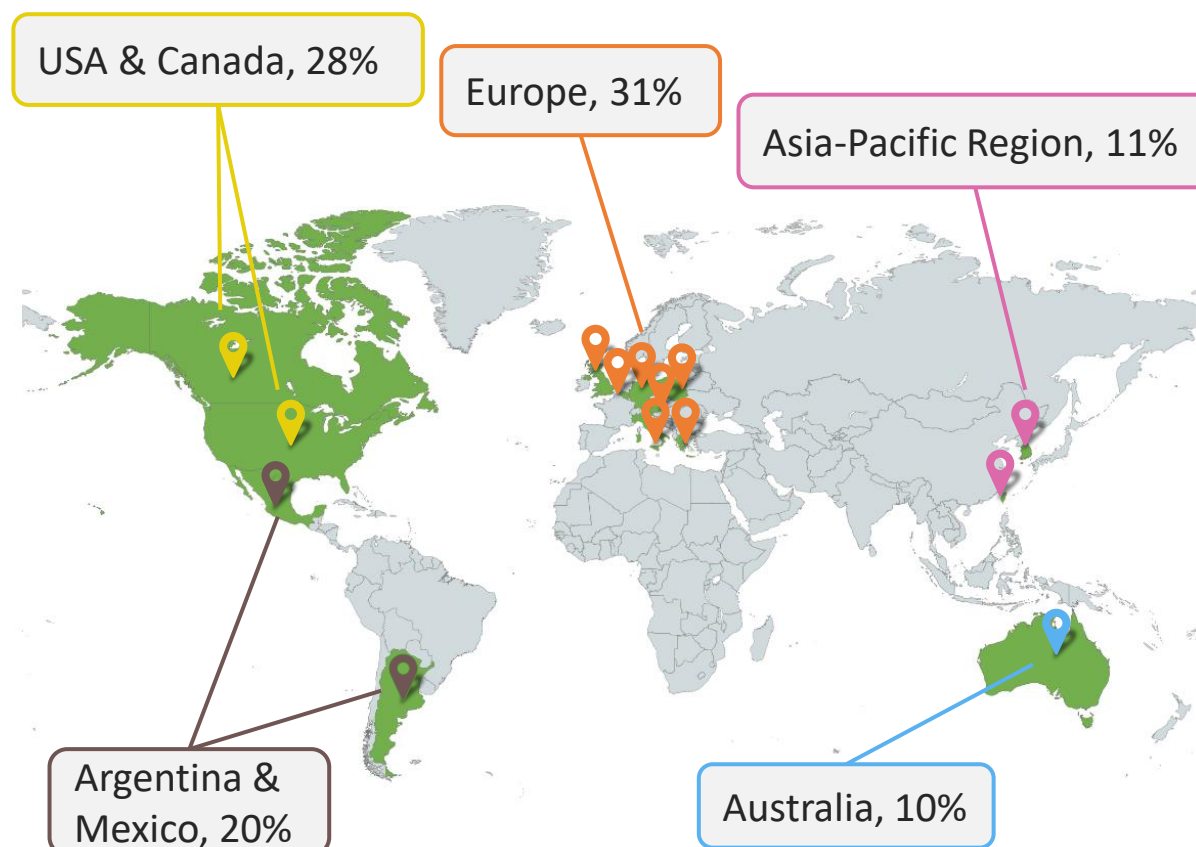
27.9 (4.8) kg/m²



Race



> 100 study sites across 14 countries



Preliminary data, reflecting 16 June 2026 database extract

ASPIRE Baseline Patient Data are Reflective of a Typical Cohort of Patients with IPF

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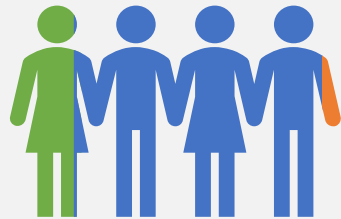


Time since diagnosis

2.4 (1.7) years



Smoking status



36.9% never smoked

61.5% former smokers

1.6% current smokers



FVC, mean (SD)

2.9 L (0.8)

FVCpp, mean (SD)

81.3% (17.6)

FEV₁/FVC ratio, mean (SD)

0.8 (0.06)

DLCOpp, Hb corrected, mean (SD)

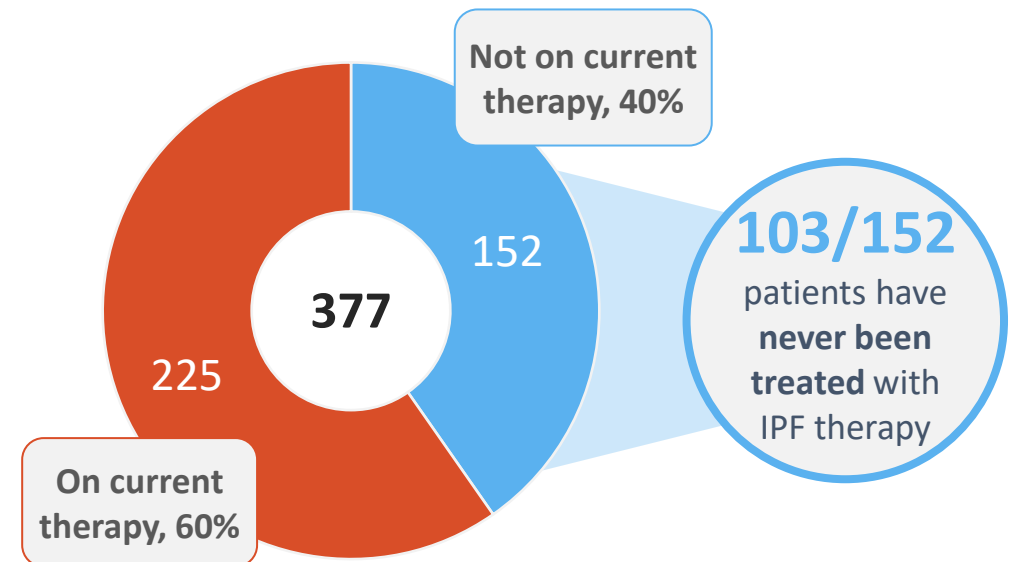
54.1% (15.7)



Oxygen saturation, mean (min – max)

96.0% (86% – 100%)

Previous and current IPF therapy at study entry



Conclusions



Buloxibutid is an **angiotensin II type 2 receptor agonist** designed to support tissue repair through alveolar epithelial type 2 cells



ASPIRE is an ongoing randomized, placebo-controlled Phase 2b study that is designed to assess the efficacy and safety of **two doses of buloxibutid over 52 weeks** in patients with IPF



Patients enrolled in ASPIRE are **generally representative of the IPF population**, with a mean time since diagnosis of 2.4 years and 40% of participants not receiving background therapy



The global distribution of enrolled participants demonstrates that ASPIRE successfully captured a **geographically diverse IPF population**, supporting the relevance and applicability of the study across regions



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