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Given these risks and uncertainties, no representations are made as to the accuracy or fairness of such forward-looking statements, forecasts, and estimates, Furthermore, forward-looking statements, forecasts and estimates only speak as of the date of this presentation. Readers are cautioned not to place undue reliance on any of these forward-looking statements. Please refer to the Universal Registration Document for the year ended December 31, 2024 filed with the Autorité des Marchés Financiers on April 15, 2025 and the Annual Report on Form 20-F for the year ended December 31, 2024 filed with the Securities and Exchange Commission (the "SEC") on April 15, 2025 for other risks and uncertainties affecting Inventiva, including those described under the caption "Risk Factors", and in future filings with the SEC. 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## Dedicated global team with extensive experience













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David Nikodem, PhD, VP US Operations









**■ Eric Duranson, JD, General Counsel** 







## Lanifibranor well positioned to treat MASH

Fous on the most at-risk patients: MASH and T2D

## **Best in Class Oral Efficacy Data**

Phase 2b demonstrated 18% fibrosis placeboadjusted improvement at 6 months

Differentiated profile that has been observed to improve cardiovascular, glycemic and metabolic markers and reduce insulin resistance

#### Differentiated pan-PPAR Agonist

Balanced pan-PPAR agonist activity, once-daily dosing, IP protection through 2040

## **Differentiated Safety & Tolerability Profile**

**Differentiated safety profile** in the PPAR class

Non-overlapping AE profile with incretin agonists, allowing for combination therapy

## Significant Near-Term Commercial Opportunity

Phase 3 fully enrolled and 2H26 Phase 3 data readout

A multi-tranche equity financing of \$400M+ secured in October 2024 led by New Enterprise Associates, BVF Partners and Samsara BioCapital<sup>(1)</sup>

(1) In October 2024, Inventiva announced a multi-tranche equity financing of up to €348 million, subject to conditions, and up to \$30 million in milestone payments.



## Clinicians and industry have recognized the value of PPAR agonists

Prescriptions and M&A support the potential of this class of drugs

## Physicians continue to prescribe pioglitazone with close to 6M scrips written in 2024 in the U.S.

#### Pioglitazone U.S. Annual TRx

|                    | 2022      | 2023      | 2024      |
|--------------------|-----------|-----------|-----------|
| ACTOPLUS MET       | 369       | 259       | 225       |
| ACTOPLUS MET XR    | 1         | 1         | -         |
| ACTOS              | 1,941     | 1,340     | 1,001     |
| AVANDIA            | 7         | 1         | 1         |
| DUETACT            | 35        | 16        | 4         |
| PIOGLIT/GLIMEPIRID | 11,361    | 10,660    | 9,840     |
| PIOGLIT/METFORMIN  | 139,794   | 119,237   | 106,172   |
| PIOGLITAZONE HCL   | 6,025,851 | 5,882,329 | 5,703,614 |
| TOTAL              | 6,179,359 | 6,013,843 | 5,820,857 |

Pioglitazone is one of the recommended diabetes pharmacotherapy for patients with MASLD F0 to compensated cirrhosis<sup>(1)</sup>

"It is my opinion that PPAR gamma activation remains most effective in repletion of adiponectin levels and adiponectin is the missing link that connects the health of visceral adipose depot to systemic inflammation."

- Kris Kowdley, Director at Liver Institute Northwest, Washington.

In 2024, the FDA liver division has approved two PPARs in PBC





Gilead acquires Cymabay for \$4.3B in February 2024





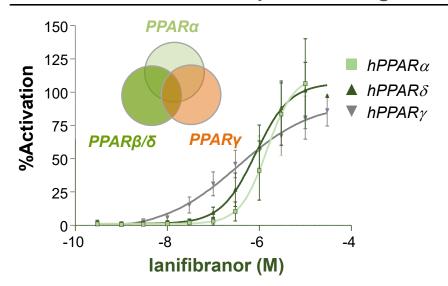
- Cymabay was developing seladelpar, a PPARδagonist in PBC, an orphan chronic liver indication
- At time of Cymabay acquisition, results of the Phase 3 had been published but seladelpar was not yet approved by FDA nor EMA

Source: IQVIA Script Data; KOL Interviews; Inventiva Analysis; (1) 2025 ADA Standard of care

## Lanifibranor: a pan-PPAR agonist with differentiated profile

A new chemical entity: not a fibrate, not a TZD

#### Moderate and balanced pan-PPAR agonist activity



- Small molecule that activates all three PPAR isoforms in humans
- Balanced activity across the three human PPAR isoforms
- Differentiated chemical structure: not a fibrate or a TZD
- Once daily oral administration
- FDA confirmation that the non-clinical toxicology package is complete and acceptable for NDA filing
- In 2020, FDA granted lanifibranor breakthrough therapy and fast track designation for the treatment of MASH
- IP protection through 2040

## Pan-PPAR activity likely required for efficacy across MASH disease drivers

#### **INFLAMMATION AND METABOLISM STEATOSIS FIBROSIS VASCULAR BALLOONING** PPARα PPARδ PPARy **PPARV** PPARα PPARδ PPARv PPAR<sub>δ</sub> PPAR<sub>V</sub> PPARa PPARy Stellate cell NFkB-dependent Portal pressure Insulin sensitivity FA uptake proliferation and gene activation activation **LSEC HDLc** FA catabolism capillarization Inflammasome Collagen and **Triglycerides** Lipogenesis fibronectin Intrahepatic Ballooning production vascular resistance

inventiva

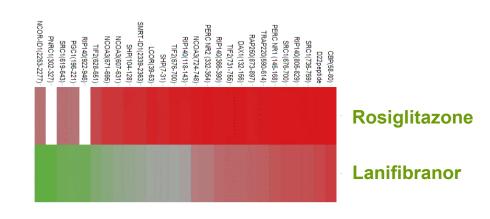
## Balanced PPAR activity with differential binding/target engagement

Lanifibranor did not lead to the adverse events and toxicity previously seen in single/dual PPAR agonists

## Moderate pan-PPAR agonist activity...

| Compound                | PPARα<br>EC50 (nM) | PPARδ<br>EC50 (nM) | PPARγ<br>EC50 (nM) |
|-------------------------|--------------------|--------------------|--------------------|
| Lanifibranor*           | 1630               | 850                | 230                |
| Fenofibrate             | 2400               | -                  | -                  |
| Pioglitazone            | -                  | -                  | 263                |
| Rosiglitazone           | -                  | -                  | 13                 |
| Elafibranor**           | 10                 | 100                | -                  |
| Seladelpar <sup>^</sup> | -                  | 2                  | -                  |

#### ... that engages PPARy differently



Induces different coactivator recruitment<sup>^^</sup>

Adverse events and toxicity previously seen in other single and dual PPAR agonists have not been observed with lanifibranor in preclinical studies

| Orga | an              | Isoforms activated |             | Reported PPAR side effects   | Lanifibranor effects                         |
|------|-----------------|--------------------|-------------|--|--|
|      | HEART           | PPARy              | <b>&gt;</b> | Fluid retention<br>Cardiac hypertrophy                               | Advance                                      |
|      | SKELETAL MUSCLE | PPARα              | <b>&gt;</b> | Myofiber degeneration  | Adverse events and toxicity of single / dual |
| GP)  | KIDNEY          | PPARα              | <b>•</b>    | > 50% increases in creatinine, degenerative changes in renal tubules | observed in primate and rodent studies       |
|      | URINARY BLADDER | PPARy              | <b>&gt;</b> | Proliferative changes in bladder epithelium                          | and rought studies                           |

Source: \* Company data \*\* Hanf R et al, Diabetes & Vascular Dis Res 2014 ^ Cymabay company presentation ^^ J Med Chem. 2018 Feb 15. doi: 10.1021/acs.jmedchem.7b01285

# **NATIVE Phase 2 Study of lanifibranor in MASH**

## The Phase 2b NATIVE trial published in NEJM

Evaluated 800 and 1200mg, oral, once-daily, 247 patients



#### 24-week treatment + 4-week follow-up Double blind, randomized, placebo-controlled Screening End of treatment ITT: 247 Patients Randomized Patients Liver biopsy Liver biopsy **Placebo** lanifibranor, 800 mg once daily Randomization 1/1/1 Stratification on lanifibranor, 1200 mg once daily type 2 diabetes

- Main inclusion criteria: patients with biopsy-proven MASH confirmed by central reader having Steatosis-Activity-Fibrosis (SAF) scores of 1-3 for steatosis, 3-4 for activity, and <4 for fibrosis
- Results published in the New England Journal of Medicine (1) and additional analysis in Nature Communications (2)



A Randomized, Controlled Trial of the Pan-PPAR Agonist Lanifibranor in NASH

The pan-PPAR agonist lanifibranor improves cardiometabolic health in patients with metabolic dysfunction-associated steatohepatitis

nature communications

<sup>(1)</sup> A Randomized, Controlled Trial of the Pan-PPAR Agonist Lanifibranor in NASH, N Engl J Med 2021;385:1547-1558 (2) The pan-PPAR agonist lanifibranor improves cardiometabolic health in patients with metabolic dysfunction-associated steatohepatitis | Nature Communications



## Patient population (I/II)



| Parameters (unit)<br>n (%) or mean ± SD        | Placebo<br>-<br>N = 81 | lanifibranor<br>800 mg/day<br>N = 83 | lanifibranor<br>1200 mg/day<br>N = 83 | Overall<br>-<br>N = 247 |  |
|--|------------------------|--------------------------------------|---------------------------------------|-------------------------|--|
| Demographics                                   |                        |                                      |                                       |                         |  |
| Female   | 41 (51%)               | 54 (65%)                             | 49 (59%)                              | 144 (58%)               |  |
| Age (years)                                    | $53.4 \pm 13.1$        | $55.0 \pm 10.4$                      | 52.2 ± 13.8                           | 53.6 ± 12.5             |  |
| White  | 74 (91%)               | 80 (96%)                             | 78 (94%)                              | 232 (94%)               |  |
| Weight (kg)                                    | $95.1\pm17.3$          | $91.6 \pm 19.3$                      | 93.0 ± 19.9                           | $93.2 \pm 18.9$         |  |
| Body Mass Index (kg/m²)                        | $32.8 \pm 5.1$         | $32.5 \pm 5.5$                       | $33.3 \pm 5.5$                        | $32.9 \pm 5.4$          |  |
| Type 2 diabetes                                | 35 (43%)               | 33 (40%)                             | 35 (42%)                              | 103 (42%)               |  |
| Liver biopsy characteristics                   |                        |                                      |                                       | •                       |  |
| SAF Activity score (inflammation + ballooning) | $3.3 \pm 0.5$          | $3.2 \pm 0.5$                        | $3.3 \pm 0.5$                         | $3.3 \pm 0.5$           |  |
| NAFLD Activity Score (NAS) ≥6                  | 56 (69.1%)             | 63 (75.9%)                           | 61 (73.5%)                            | 180 (72.9%)             |  |
| Fibrosis stage F2/F3                           | 57 (70.4%)             | 68 (81.9%)                           | 63 (75.9%)                            | 188 (76.1%)             |  |

## Patient population (II/II)

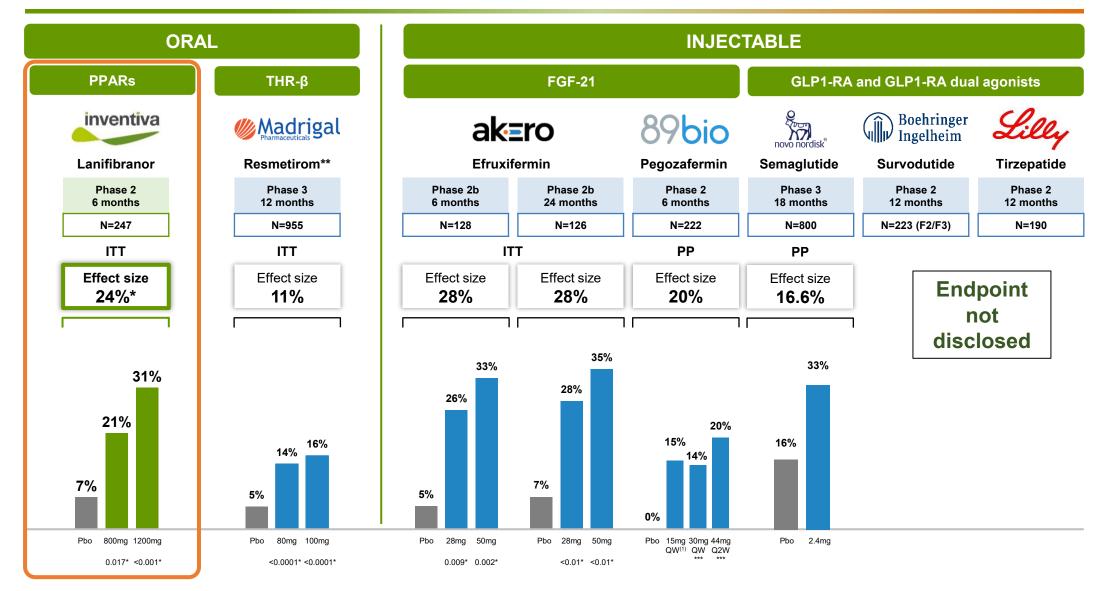


| Parameters (unit)<br>mean ± SD                    | Placebo<br>-<br>N = 81 | lanifibranor<br>800 mg/day<br>N = 83 | lanifibranor<br>1200 mg/day<br>N = 83 |
|---|------------------------|--------------------------------------|---------------------------------------|
| Liver enzymes                                     |                        |                                      |                                       |
| Alanine aminotransferase, ALT (UI/L)              | $56.9 \pm 31.6$        | $64.1 \pm 41.4$                      | $63.6 \pm 43.4$                       |
| Aspartate aminotransferase, AST (UI/L)            | $43.3 \pm 24.1$        | $53.9 \pm 43.4$                      | $43.9 \pm 24.8$                       |
| Gamma glutamyl transferase, GGT (UI/L)            | $67.9 \pm 80.4$        | $101.6 \pm 146.1$                    | $67.1 \pm 93.1$                       |
| Plasma lipid levels                               |                        |                                      |                                       |
| HDL-Cholesterol (mmol/L)                          | $1.2 \pm 0.3$          | $1.3 \pm 0.3$                        | $1.2 \pm 0.3$                         |
| Triglycerides (mmol/L)                            | $2.0 \pm 0.8$          | $1.9 \pm 0.9$                        | $2.0 \pm 0.9$                         |
| Glucose metabolism for patients with T2D (n= 103) |                        |                                      |                                       |
| Fasting Glucose (mmol/L)                          | $6.9 \pm 2.0$          | $7.3 \pm 2.2$                        | 6.6 ±1.2                              |
| HbA1c (%)   | $6.5 \pm 0.7$          | $6.7 \pm 0.8$                        | $6.6 \pm 0.7$                         |
| Insulin (pmol/L)                                  | $222.7 \pm 186.5$      | $246.3 \pm 213.4$                    | $278.5 \pm 233.5$                     |

## Resolution of MASH and fibrosis improvement ≥ least 1 stage

Compares favourably to other oral and injectable compounds





No head-to-head clinical trials have been conducted; results obtained from different trials, with different designs, endpoints and patient populations. Results may not be comparable.

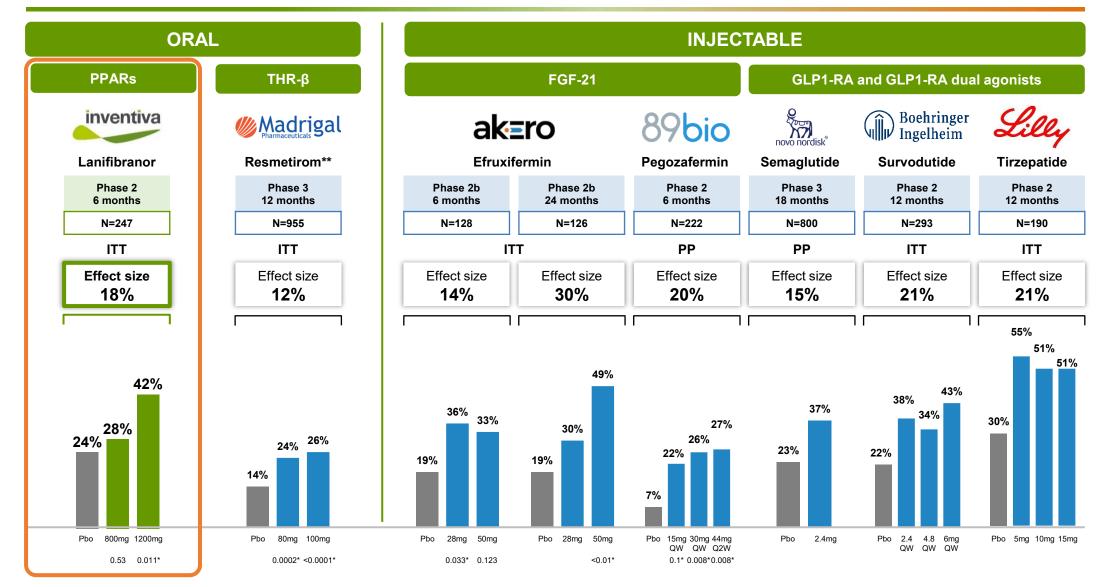
Source: lanifibranor native results; Efruxifermin Safety and efficacy of once-weekly efruxifermin versus placebo in non-alcoholic steatohepatitis (HARMONY): a multicentre, randomised, double-blind, placebo-controlled, Phase 2b trial. Lancet Gastroenterology October 2023; Semaglutide Phase 3 ESSENCE trial of semaglutide 2.4mg in participants with non-cirrhotic non-alcolohic steatohepatitis; Newsome et al.; Resmetirom MAESTRO MASH top-line results webcast Dec. 19 2022, pg 10 and EASL 2023 presentation pg. 8; Efruxifermin EASL presentation of March 2024 pg 22; Survodutide A Phase 2 randomized trial for Survodutide in MASH and fibrosis, The NEJM DOI: 10.1056/NEJMoa2401755; Tirzepatide Tirzepatide for Metabolic Dysfunction-Associated Steatohepatitis with Liver Fibrosis, The NEJM DOI: 10.1056/NEJMoa2401943

<sup>\*</sup>Effect size was 26% in the 1200 mg arm in patients with T2D \*\*Resmetirom has been approved under accelerated approval by the FDA.

## Fibrosis improvement ≥ 1 stage with no worsening of MASH

Compares favourably to other oral and injectable compounds





No head-to-head clinical trials have been conducted: results obtained from different trials, with different designs, endpoints and patient populations. Results may not be comparable.

Source: lanifibranor native results;; resmetirom MAESTRO NASH top-line results webcast Dec. 19 2022, pg 10; resmetirom: Harrison et al, Lancet 2019; S0140-6736(19) 32517-6 Efruxifermin Safety and efficacy of once-weekly efruxifermin versus placebo in non-alcoholic steatohepatitis (HARMONY); a multicentre, randomised, double-blind, placebo-controlled, Phase 2b trial. Lancet Gastroenterology October 2023; corporate presentation of March 2024 pg 15; Semaglutide Phase 3 ESSENCE trial of semaglutide 2.4mg in participants with non-cirrhotic non-alcolohic steatohepatitis; Newsome et al.; Pegozafermin, 89Bio Phase 2b ENLIVEN Topline Results presentation; Survodutide A Phase 2 randomized trial for Survodutide in MASH and fibrosis, The NEJM DOI: 10.1056/NEJMoa2401755; Tirzepatide Tirzepat Steatohepatitis with Liver Fibrosis, The NEJM DOI: 10.1056/NEJMoa2401943

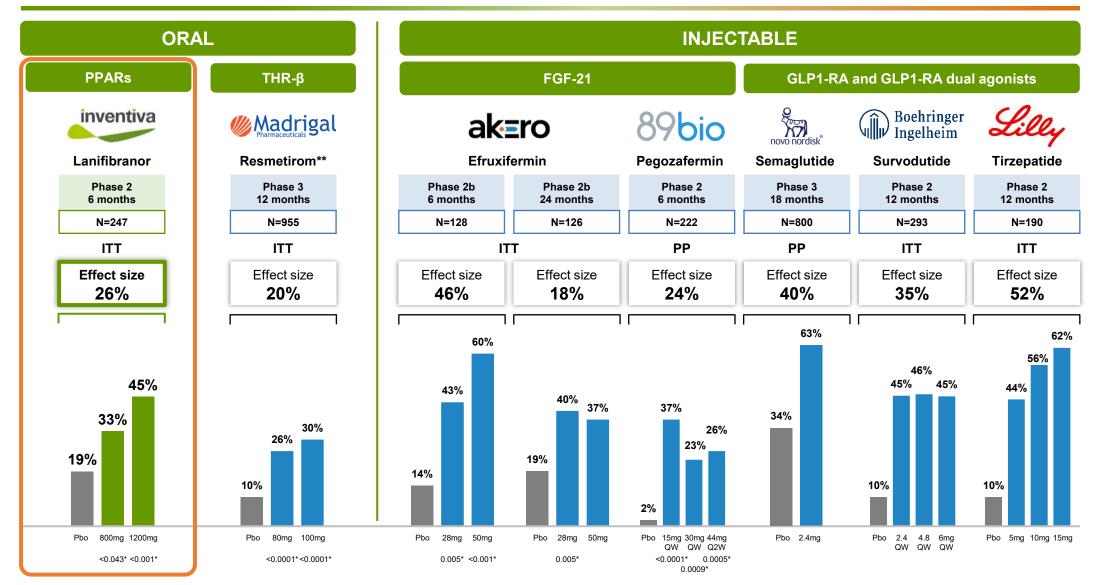


<sup>\*</sup> Resmetirom has been approved under accelerated approval by the FDA.

## MASH resolution with no worsening of fibrosis

Compares favourably to other oral and injectable compounds





No head-to-head clinical trials have been conducted: results obtained from different trials, with different designs, endpoints and patient populations. Results may not be comparable.

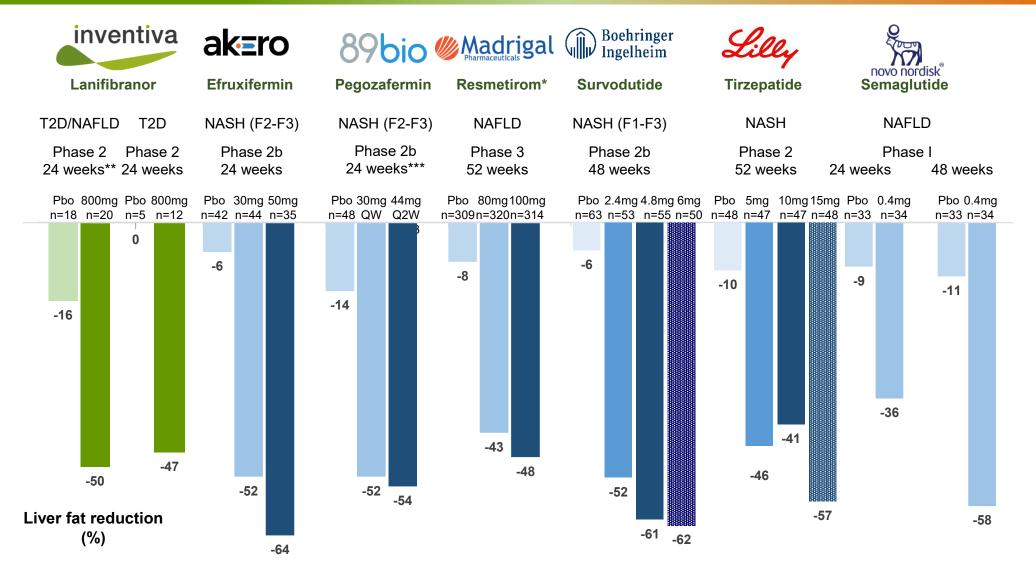
Source: lanifibranor native results;; resmetirom MAESTRO NASH top-line results webcast Dec. 19 2022, pg 10; resmetirom: Harrison et al, Lancet 2019; S0140-6736(19) 32517-6 Efruxifermin Safety and efficacy of once-weekly efruxifermin versus placebo in non-alcoholic steatohepatitis (HARMONY): a multicentre, randomised, double-blind, placebo-controlled, Phase 2b trial. Lancet Gastroenterology October 2023; corporate presentation of March 2024 pg 15; Semaglutide Phase 3 ESSENCE trial of semaglutide 2.4mg in participants with non-cirrhotic non-alcolohic steatohepatitis; Newsome et al.; Pegozafermin, 89Bio Phase 2b ENLIVEN Topline Results presentation; Survodutide in MASH and fibrosis, The NEJM DOI: 10.1056/NEJMoa2401755; Tirzepatide Tir Associated Steatohepatitis with Liver Fibrosis, The NEJM DOI: 10.1056/NEJMoa2401943



<sup>\*</sup> Resmetirom has been approved under accelerated approval by the FDA.

## Reduction in Steatosis measured by MRI-PDFF

Compares favourably to other oral and injectable compounds



No head-to-head clinical trials have been conducted; results obtained from different trials, with different designs, endpoints and patient populations. Results may not be comparable.

Efruxifermin - Akero's Phase 2b Harmony Study Results presentation (sept. 2022), Pegozafermin - 89Bio' Corporate Presentation (May 2023); Resmetirom - Madrigal's corporate presentation (May 2023); Semaglutide - Flint A, Andersen G, Hockings P, Johansson L, Morsing A, Sundby Palle M, Vogl T, Loomba R, Plum-Mörschel L. Randomised clinical trial: semaglutide versus placebo reduced liver steatosis but not liver stiffness in subjects with non-alcoholic fatty liver disease assessed by magnetic resonance imaging. Aliment Pharmacol Ther. 2021 Nov;54(9):1150-1161. doi: 10.1111/apt.16608. Epub 2021 Sep 27. PMID: 34570916; PMCID: PMC9292692; Survodutide A Phase 2 randomized trial for Survodutide in MASH and fibrosis, The NEJM DOI: 10.1056/NEJMoa2401755; Tirzepatide Tirzepatide for Metabolic Dysfunction-Associated Steatohepatitis with Liver Firbosis. The NEJM DOI: 10.1056/NEJMoa2401943



<sup>\*</sup> Resmetirom has been approved under accelerated approval by the FDA

<sup>\*\*</sup> Results reported among completers

<sup>\*\*\*</sup>Reductions reported only for subset of patients with liver fat content ≥10 at baseline

SECONDARY ENDPOINTS

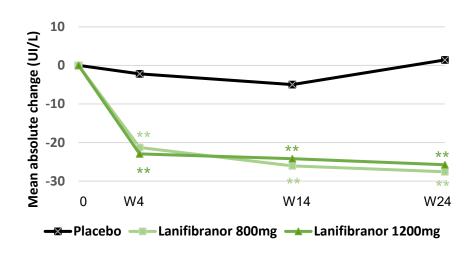
## Statistically significant decrease in liver enzymes

Liver biomarkers show rapid and sustained improvement

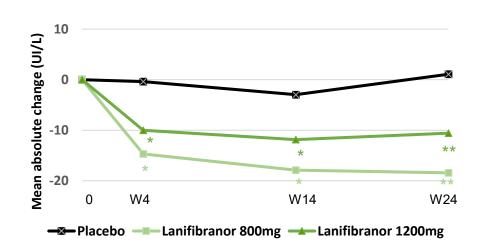


## Other secondary endpoints in ITT (N = 247)

## Absolute change from baseline in ALT

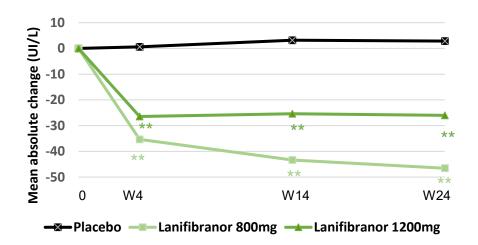


## Absolute change from baseline in AST



#### \* p<0.01 \*\*p<0.001

## Absolute change from baseline in GGT



A statistically significant decrease of ALT, AST and GGT in both lanifibranor dose groups observed after 4 weeks

## Statistically significant change in lipid profile

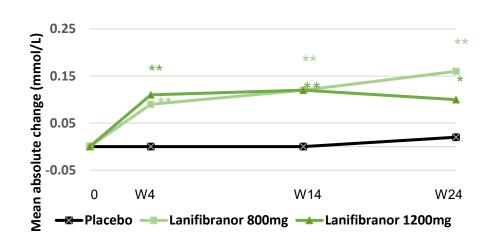
Improvements in HDL-cholesterol & triglycerides without a change in LDL-cholesterol



#### Other secondary endpoints in ITT (N = 247)

\* p<0.01 \*\*p<0.001

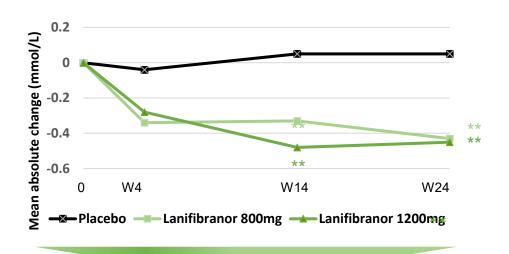
#### Absolute change from baseline in HDL-C



#### Statistically significant change in HDLcholesterol

No change in LDL-cholesterol

## Absolute change from baseline in triglycerides



A Statistically significant change in triglycerides

SECONDARY ENDPOINTS

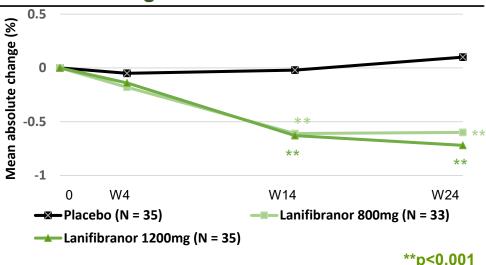
## Clear benefit in MASH patients with T2D, across multiple studies

Significant reductions in HbA1c and fasting glucose

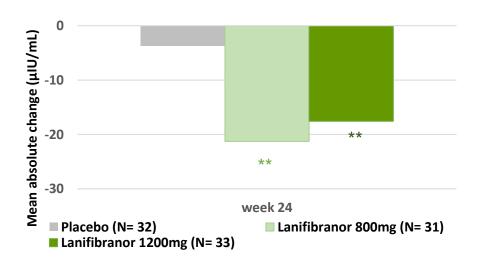


## Secondary endpoints in patients with NASH/MASH and T2D (N = 103)

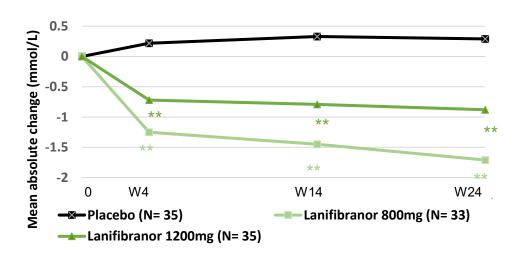




## Absolute change from baseline in insulin at W24



## Absolute change from baseline in fasting glucose



Lanifibranor associated with improvements in insulin sensitivity and glycemic control in **MASH** patients

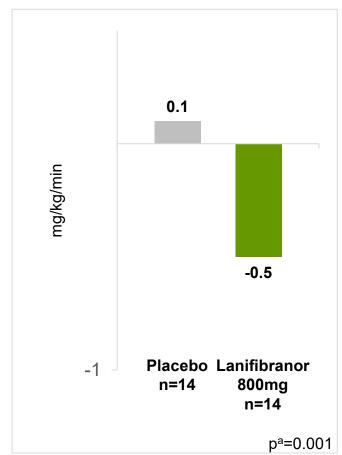
SECONDARY ENDPOINTS

## Significant improvements in hepatic and muscular insulin sensitivity<sup>(1)</sup>

Strong benefit has been observed across multiple studies

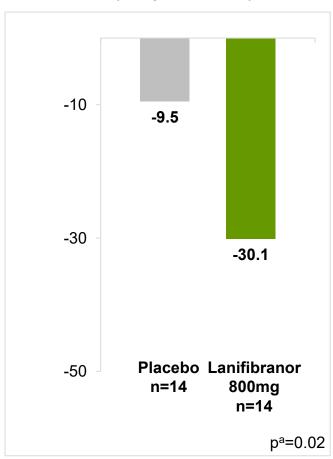
#### LS mean absolute change from baseline to week 24 in

endogenous glucose production (completers N=28)



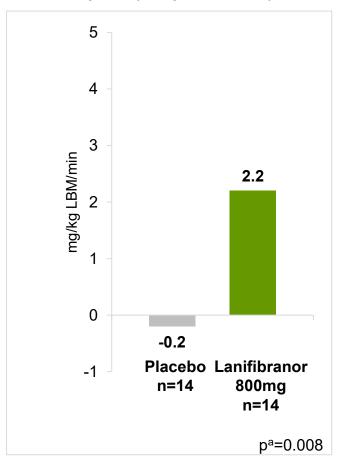
#### LS mean absolute change from baseline to week 24 in

hepatic insulin resistance index (completers N=28)



#### LS mean absolute change from baseline to week 24 in insulin-stimulated muscle glucose

disposal (completers N=28)



<sup>(1)</sup> Data from the clinical study conducted by Dr. Kenneth Cusi from the University of Florida, evaluating lanifibranor (800mg/day) in patients with NAFLD and type 2 diabetes mellitus (T2D) for 24 weeks



## Lanifibranor observed to induce a decrease in serum biomarkers





Data from Phase 2b NATIVE clinical trial evaluating lanifibranor (800mg/day and 1200mg/day) in patients with MASH for 24 weeks

|                  | Median relativ            | ledian relative change (%)            |         | lanifibranor<br>(Two doses pooled) | Pvalue     |
|------------------|---------------------------|---------------------------------------|---------|------------------------------------|------------|
|                  |                           | Pro-C3                                | (4.1%)  | (13.9%)                            | p= 0.005*  |
| OUTCOME MEASURES | Fibrosis                  | Pro-C3 >14 at baseline <sup>(1)</sup> | (12.8%) | (20.5%)                            | p= 0.017*  |
| ME ME,           | Ratio TIMP-1/MMP-2 (4.6%) |                                       | (22.5%) | p < 0.001*                         |            |
| OUTCO            | Apoptosis                 | CK18-M30                              | 0.5%    | (41.1%)                            | p < 0.001* |
| OTHER            |                           | Ferritin                              | (9.1%)  | (29.4%)                            | p < 0.001* |
|                  | Inflammation              | hs-CRP                                | 13.0%   | (35.5%)                            | p < 0.001* |

<sup>(1)</sup> Level where it is estimated that fibrogenesis is active and corresponding to F2/F3 patients FAS (Full Analysis Set) population with available data at baseline and at week 24 \* Statistically significant



## Lanifibranor has a favourable safety profile



| N (%) patients reporting Adverse Event (AE)  | Placebo<br>(N = 81)     | 800 mg<br>(N = 83)      | 1200 mg<br>(N = 83)          |
|--|-------------------------|-------------------------|------------------------------|
| ► Any Treatment-Emergent AE (TEAE)           | 50 (61.7%)              | 59 (71.1%)              | 62 (74.7%)                   |
| Drug-related TEAE                            | 19 (23.5%)              | 25 (30.1%)              | 23 (27.7%)                   |
| ► Any TEAE leading to drug withdrawal        | 3 (3.7%)                | 4 (4.8%)                | 3 (3.6%)                     |
| Drug-related TEAE leading to drug withdrawal | 2 (2.5%)                | 1 (1.2%) <sup>(1)</sup> | 2 (2.4%)(2)                  |
| ► Any Serious TEAE                           | 3 (3.7%)                | 3 (3.6%)                | Focus of next slide 7 (8.4%) |
| Drug-related Serious TEAE                    | 2 (2.5%) <sup>(3)</sup> | -                       | -                            |

<sup>(1)</sup> One patient with moderate diarrhea; (2) One patient with mild cardiac failure; one patient with mild diarrhea, abdominal pain, dizziness; (3) 2 SUSARs in the placebo arm: one patient with mild cardiac failure; one patient with moderate urticaria

Consistent with known insulin sensitizing pharmacology, a mean weight increase from baseline of 2.4 kg (2.6%) at the 800 mg/day dose and 2.7 kg (3.1%) at the 1200 mg/day dose was observed.

|                               | (N = 81) | 800 mg<br>(N = 83) | 1200 mg<br>(N = 81) |
|-------------------------------|----------|--------------------|---------------------|
| ► Peripheral edema            | 2 (2.5%) | 5 (6.0%)           | 7* (8.4%)           |
| Drug-related peripheral edema | -        | 2 (2.4%)           | 2 (2.4%)            |

Peripheral edema (bilateral ankle edema): usually mild, in most cases no treatment was required, a few patients received diuretics. 4 cases were considered study drug related by the investigator (2 at 800 and 1200 mg each). One case of severe intensity, which resolved by stopping treatment (lanifibranor 1200mg) for 12 days, without reoccurrence when the study treatment was resumed. All were female patients.



## A limited number of serious TEAEs occurred

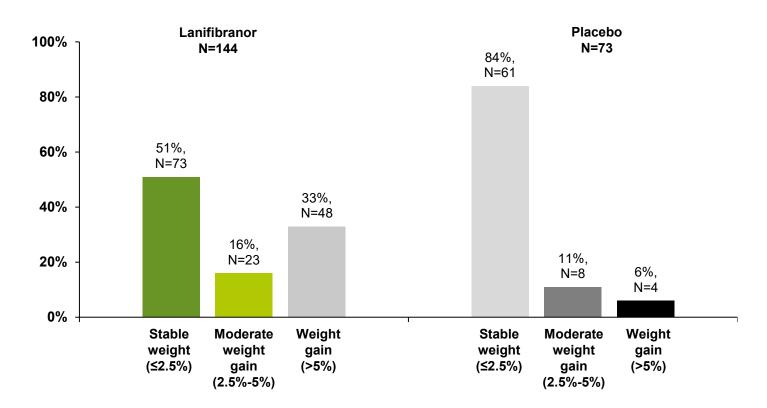


| Patients reporting treatment-emergent Serious AE (SAE); N (%) | Placebo<br>(N = 81) | 800 mg<br>(N = 83) | 1200 mg<br>(N = 83) |
|---|---------------------|--------------------|---------------------|
| Total   | 3 (3.7%)            | 3 (3.6%)           | 7 (8.4%)            |
| Treatment-Emergent Serious AE linked to biopsy procedure      |                     |                    |                     |
| Post-procedural haematoma/haemorrhage                         | -                   | 1 (1.2%)           | 1 (1.2%)            |
| Post-procedural pain  | -                   | -                  | 1 (1.2%)            |
| Pneumobilia (post-procedural)                                 | -                   | -                  | 1 (1.2%)            |
| Other Treatment-Emergent Serious AE                           |                     |                    |                     |
| Wrist fracture  | 1 (1.2%)            | -                  | -                   |
| Angina unstable   | -                   | -                  | 1 (1.2%)            |
| Cardiac failure   | 1 (1.2%)            | -                  | -                   |
| Gastroenteritis   | -                   | -                  | 1 (1.2%)            |
| Pyelonephritis  | -                   | -                  | 1 (1.2%)            |
| Pancreatitis  | -                   | 1 (1.2%)           | -                   |
| Undifferentiated connective tissue disease                    | -                   | 1 (1.2%)           | -                   |
| Urticaria   | 1 (1.2%)            | -                  | -                   |
| Foot operation  | -                   | -                  | 1 (1.2%)            |

## Weight gain is observed in ~50% of patients



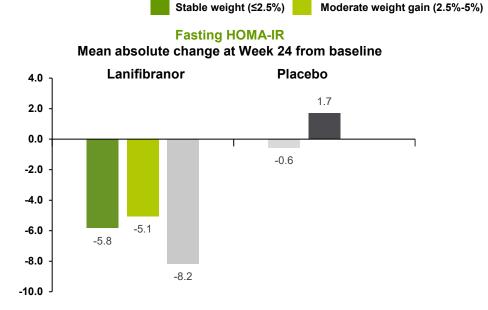
#### Weight changes at end of treatment (week 24) in patients treated with lanifibranor versus placebo



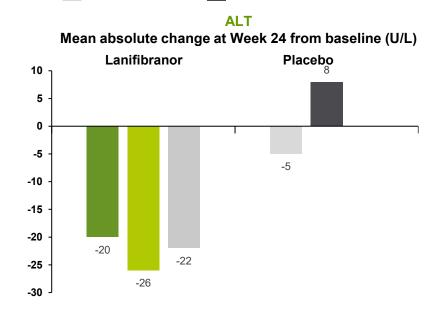


## Weight gain comes with improvements in metabolic, cardiometabolic, and liver markers (I/II)





**Triglycerides** Mean absolute change at Week 24 from baseline (mmol/L) 1 Lanifibranor **Placebo** 8.0 0.6 0.4 0.12 0.2 0.03 -0.2 -0.4 -0.42 -0.44 -0.45 -0.6 > LDL level do not change but HDL level improves in -0.8 patients treated with lanifibranor independently of weight -1 changes



Weight gain (>5%)

Stable weight (≤2.5%)

Weight gain (>5%)

Lanifibranor **Placebo** 35 30.6 25 15 5 -5 -4.6 -10.2-15

-14.7

-17

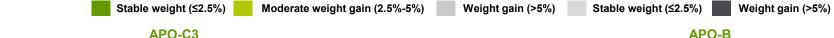
-25

**CAP** Mean absolute change at Week 24 from baseline (dB.m-1)

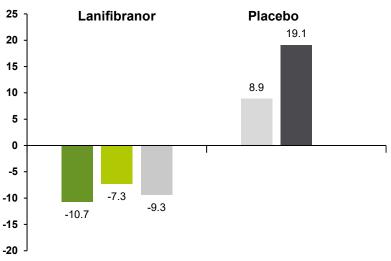
Source: MP. Cooreman, Lanifibranor improves markers of cardio-metabolic health in NASH patients independent of weight change - EASL 2022

## Weight gain comes with improvements in metabolic, cardiometabolic, and liver markers (II/II)

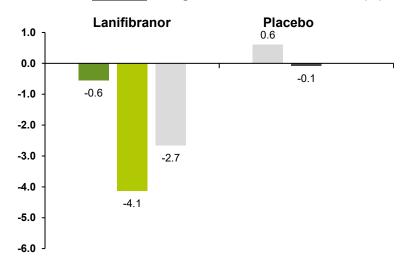




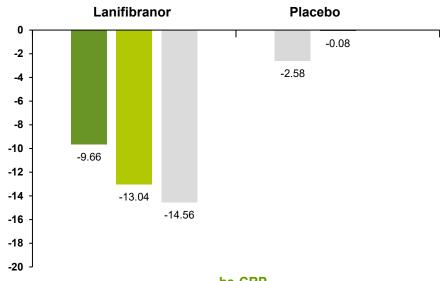
APO-C3 Mean absolute change at week 24 from baseline (µg/ml)



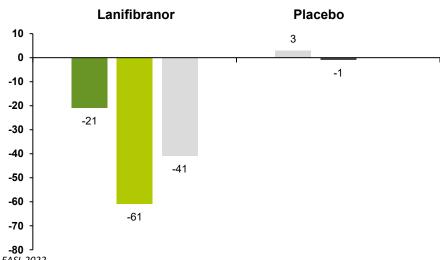
hs-CRP Mean absolute change at Week 24 from baseline (%)



Mean absolute change at week 24 from baseline (mg/dl)



hs-CRP Mean relative change at Week 24 from baseline (%)

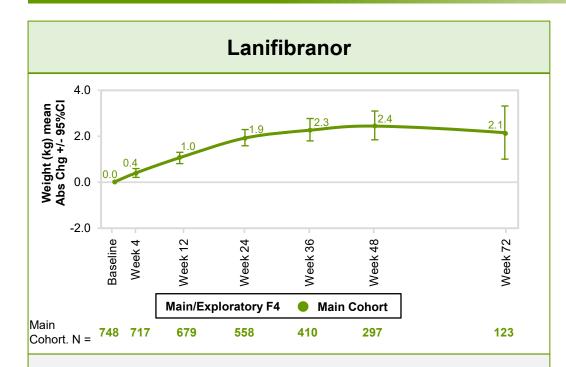


Source: MP. Cooreman, Lanifibranor improves markers of cardio-metabolic health in NASH patients independent of weight change - EASL 2022

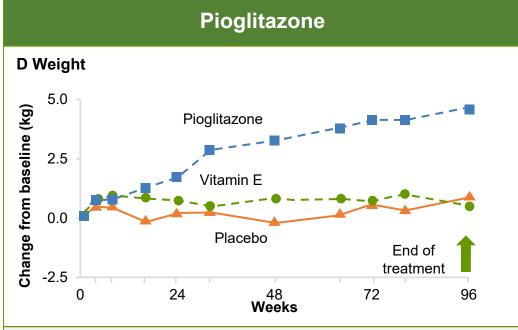


## Lanifibranor has a differentiated weight gain profile relative to pioglitazone

Weight gain plateaus with lanifibranor after 24-36 weeks



In the interim blinded data of the main cohort from NATiV3, lanifibranor shows a distinct plateau after week 24-36, consistent with prior data



- In PIVENS study, a 96-week randomized trial of pioglitazone vs vitamin E in nondiabetic adults with MASH, mean weight increased 4.7kg
- Continuous weight gain seen over the full 96 weeks

While not conclusive, data suggests that lanifibranor weight gain stops after 24-36 weeks

"If you can get PPAR activation without the liabilities it could be a best-in-class drug" – Kris Kowdley



# **LEGEND Study of lanifibranor in Combination with SGLT2 inhibitor**

## LEGEND, a study of lanifibranor in combination with empagliflozin



Strong mechanistic rationale for combination of lanifibranor with an SGLT2 inhibitor agent

#### Lanifibranor in Combination with the SGLT2 Inhibitor empagliflozin in patients with MASH and Type 2 Diabetes **LEGEND Trial**

- Clinical data suggest that lanifibranor improves insulin sensitivity, lipid and glucose metabolism, inflammation, liver tissue injury (MASH activity) and fibrosis.
- Empagliflozin improves glycaemia, insulin sensitivity, has weight reducing and diuretic effects.
- The combination of lanifibranor + empagliflozin may
  - Add additional metabolic benefits
  - Address metabolically healthy weight gain observed in some patients on lanifibranor

#### **Key inclusion criteria:**

- 1) Adult patients with **MASH**:
  - historical biopsy with NAS ≥ 4
  - or cT1 ≥ 875 ms
  - or cT1 ≥ 825 ms and MRI-PDFF ≥ 10%
- 2) T2D diagnosed
- 3) Screening **HbA1c** in 7-10%

## 24 weeks treatment Randomized, double-blind for lanifibranor and placebo, open label for the combination, placebo-controlled Lanifibranor 800 mg + empagliflozin 10 mg

Lanifibranor 800mg

**Placebo** 

## Follow-up

#### Primary outcome measure:

**HbA1c reduction** at Week 24

#### Secondary outcome measures:

- Insulin resistance
- Hepatic fat (MRI-PDFF)
- Liver injury markers (AST, ALT)
- Lipid markers

#### Other outcome measures:

- Body weight
- > Body fat composition
- > Hepatic inflammation and fibrosis markers

Safety and tolerability



## Patient population (I/II)



| Parameters (unit)<br>n (%) or mean ± SD                                     | Lanifibranor<br>800 mg<br>N=12 | Lanifibranor +<br>Empagliflozin<br>N=13 | Placebo<br>N=14 | Total<br>N=39 |
|---|--------------------------------|---|-----------------|---------------|
| Disposition   |                                |   |                 |               |
| 24-week completed   | 12 (100%)                      | 12 (92%)                                | 9 (64%)         | 33 (85%)      |
| Prematurely discontinued  | 0 (0%)                         | 1 (8%)                                  | 5 (36%)         | 6 (15%)       |
| Demographics  |                                |   |                 | •             |
| Female  | 6 (50%)                        | 8 (62%)                                 | 7 (50%)         | 21 (54%)      |
| Age (years)   | 55.1 ± 11.4                    | $54.2 \pm 13.5$                         | $54.7 \pm 13.0$ | 54.6 ± 12.4   |
| White   | 10 (91%)                       | 10 (77%)                                | 9 (69%)         | 29 (78%)      |
| Weight (kg)   | 93.3 ± 11.6                    | 103.3 ± 12.4                            | $94.5 \pm 21.3$ | 97.1 ± 16.2   |
| Body Mass Index (kg/m²)   | $33.3 \pm 2.3$                 | $37.6 \pm 4.3$                          | $34.5 \pm 5.4$  | 35.2 ± 4.6    |
| MASH diagnosis  |                                |   |                 | •             |
| Based on LiverMultiScan® (cT1 >= 875 ms or cT1 >= 825 ms and MRI-PDFF≥ 10%) | 12 (100%)                      | 12 (92%)                                | 13 (93%)        | 37 (95%)      |

## Patient population (II/II)



| Parameters (unit)<br>mean ± SD                  | Lanifibranor<br>800 mg<br>N=12 | Lanifibranor +<br>Empagliflozin<br>N=13 | Placebo<br>N=14   | Total<br>N=39     |  |  |
|---|--------------------------------|---|-------------------|-------------------|--|--|
| Liver enzymes                                   |                                |   |                   |                   |  |  |
| Alanine aminotransferase, ALT (UI/L)            | 54.0 ± 36.9                    | $54.8 \pm 40.5$                         | $38.9 \pm 22.2$   | $48.8 \pm 33.7$   |  |  |
| Aspartate aminotransferase, AST (UI/L)          | $37.3 \pm 24.8$                | $35.2\pm20.5$                           | 31.1 ± 15.6       | $34.4 \pm 20.0$   |  |  |
| Gamma glutamyl transferase, GGT (UI/L)          | 44.9 ± 26.4                    | 54.9 ± 31.0                             | $63.3 \pm 66.1$   | $54.8 \pm 45.4$   |  |  |
| Plasma lipid levels                             |                                |   |                   |                   |  |  |
| HDL-Cholesterol (mmol/L)                        | 1.1 ± 0.3                      | 1.1 ± 0.3                               | $1.1\pm0.3$       | $1.1\pm0.3$       |  |  |
| Triglycerides (mmol/L)                          | $3.0\pm2.6$                    | $2.0 \pm 0.9$                           | $2.2\pm1.3$       | $2.4 \pm 1.7$     |  |  |
| Glucose metabolism for patients with T2D (n= 10 | 03)                            |   |                   |                   |  |  |
| Fasting Glucose (mmol/L)                        | $8.8 \pm 2.7$                  | 8.7 ± 1.7                               | $9.5 \pm 5.0$     | $9.0 \pm 3.4$     |  |  |
| HbA1c (%)                                       | 8.0 ± 1.1                      | 8.2 ± 1.0                               | 8.1 ± 1.2         | 8.1 ± 1.1         |  |  |
| Insulin (pmol/L)                                | $174.0 \pm 86.3$               | 285.2 ± 175.4                           | $280.6 \pm 169.0$ | $249.3 \pm 155.7$ |  |  |

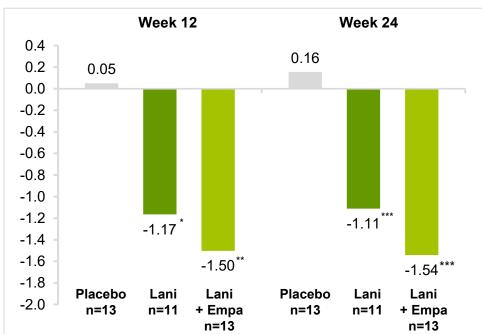
## Primary endpoint was met





**HbA1c (%) - FAS** N = 37

#### LS Mean Absolute Change from Baseline to Week 24



\*p<0.05, \*\*p<0.01, \*\*\*p<0.001, versus placebo (Mixed Model Repeated Measure [MMRM])

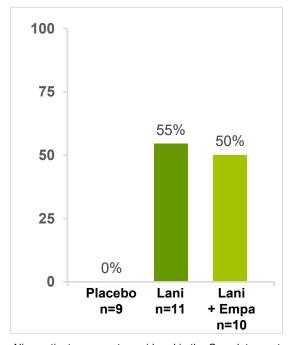
Two patients were not considered in the FAS because not having post-treatment values available:

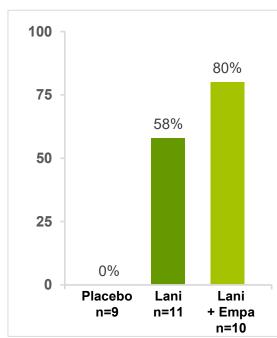
- 1 patient under placebo who prematurely stopped before Week 4
- 1 patient under lanifibranor who received 'Metformin' as a rescue medication (intercurrent event) before Week 4 (Results were similar including this patient in a sensitivity analysis).

HbA1c < 6.5%Completers, N=30

HbA1c absolute decrease ≥1% Completers, N=30

#### Percentage of responders at Week 24





Nine patients were not considered in the Completers set:

- 5 patients under placebo who prematurely stopped before Week 24
- 1 patient under lanifibranor who received 'Metformin' as a rescue medication (intercurrent event) before Week 4
- 1 patient under lani+empa who prematurely stopped before Week 24,1 patient with missing data at Week 24, and 1 patient under lani+empa who significantly modified his/her diet (intercurrent event) before Week 24



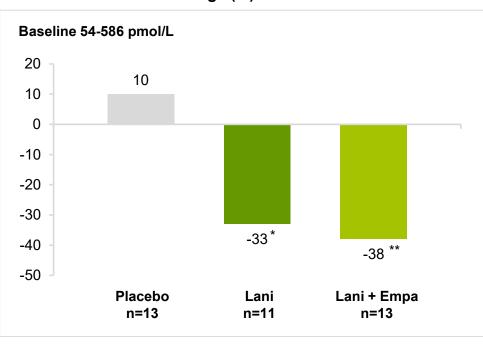
## Insulin sensitivity was improved, consistent with other studies



Additional improvement was observed in combination with empagliflozin

Insulin - FAS N = 37

#### LS Mean Relative change (%) from Baseline to Week 24



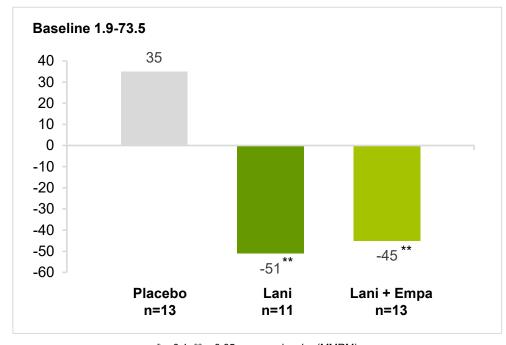
\*p<0.1, \*\*p<0.05, versus placebo (MMRM)

Two patients were not considered in the FAS because not having post-treatment values available:

- 1 patient under placebo who prematurely stopped before Week 4
- 1 patient under lanifibranor who received 'Metformin' as a rescue medication (intercurrent event) before Week 4

## **HOMA-IR - FAS** N = 37

#### LS Mean Relative change (%) from Baseline to Week 24



\*p<0.1, \*\*p<0.05, versus placebo (MMRM)

Two patients were not considered in the FAS because not having post-treatment values available:

- 1 patient under placebo who prematurely stopped before Week 4
- 1 patient under lanifibranor who received 'Metformin' as a rescue medication (intercurrent event) before Week 4



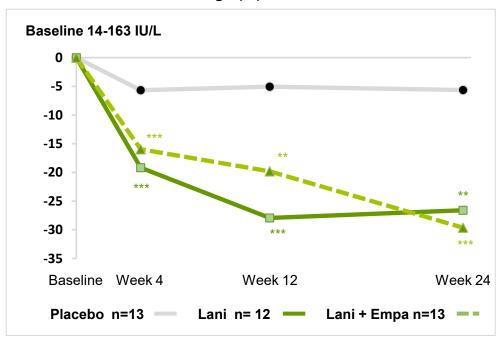
## Markers of liver injury were significantly improved



Improvement was solely driven by lanifibranor; empagliflozin did not add any additional benefit

ALT - FAS N = 38

#### LS Mean Relative change (%) from Baseline to Week 24

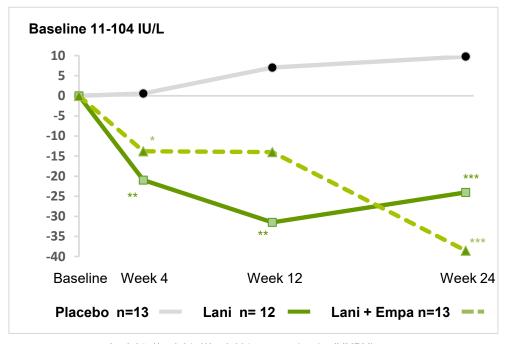


\*p<0.05, \*\*p<0.01, \*\*\*p<0.001, versus placebo (MMRM)

One patient under placebo was not considered in the FAS because no post-treatment values available (Premature discontinuation before Week 4)

## **AST - FAS** N = 38

#### LS Mean Relative change (%) from Baseline to Week 24



\*p<0.05, \*\*p<0.01, \*\*\*p<0.001, versus placebo (MMRM)

One patient under placebo was not considered in the FAS because no post-treatment values available (Premature discontinuation before Week 4)



## Hepatic steatosis measured by MRI-PDFF was reduced significantly (LEGEND)

Improvement was observed with lanifibranor alone and in combination with empagliflozin

#### Liver fat measured by MRI-PDFF, N=32 from Baseline at Week 24

#### LS Mean Relative change (%)

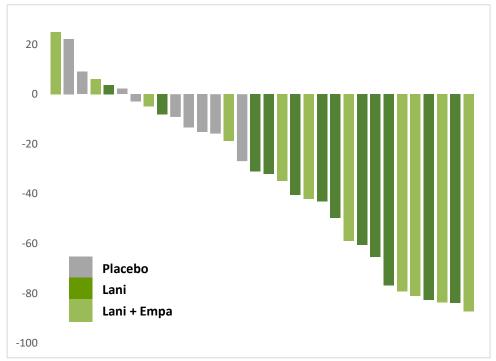
#### Baseline 9.7-31.4% 0 -5 -10 -15 -20 -25 -30 -35 -40 -41\* -45 -50 **-49**\*\* -55 Lani Lani Placebo + Empa n= 12 n= 9 n= 11

\*p<0.05, \*\*p<0.01 versus placebo (ANCOVA – Analysis of Covariance)

Seven patients were not considered in the FAS because no MRI-PDFF values available at Week 24:

- 5 patients under placebo who prematurely stopped before Week 24
- 1 patient under lani+empa who prematurely stopped before Week 24, and 1 patient under lani+empa who significantly modified his/her diet (intercurrent event) before Week 24

#### Individual Relative changes (%)



| Percentage of responders at Week 24 | Placebo (n=9) | Lanifibranor<br>(n=12) | Lanifibranor +<br>empagliflozin<br>(n=11) |
|-------------------------------------|---------------|------------------------|---|
| Relative reduction ≥ 30%            | 0%            | 83%                    | 64%                                       |
| Absolute reduction of ≥ 5%          | 11%           | 67%                    | 64%                                       |



## Markers of inflammation and fibrosis measured by cT1 were improved

Improvement were similar with lanifibranor alone or in combination with empagliflozin



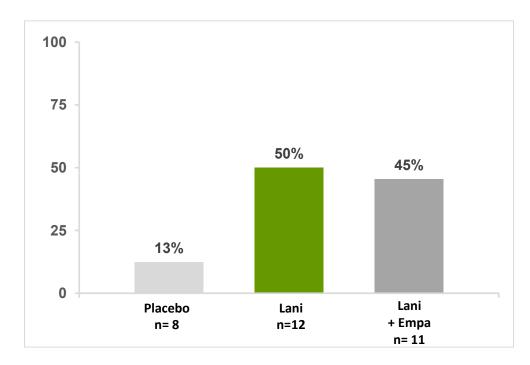
#### Changes in Inflammation and Fibrosis measured by cT1, N = 31

#### LS Mean Absolute change (ms) from Baseline to Week 24

#### Baseline 839-1284 ms 25 0 -12 -25 -50 -75 -75 -86 -100 Lani Placebo Lani + Empa n= 8 n= 12 n= 11

#### cT1 Absolute Reduction of >80 ms

Percentage of responders at Week 24



Eight patients were not considered in the FAS because of no cT1 values available at Week 24:

- 5 patients under placebo who prematurely stopped before Week 24 and 1 patient under placebo with a missing value at
- 1 patient under lani+empa who prematurely stopped before Week 24, and 1 patient under lani+empa who significantly modified his/her diet (intercurrent event) before Week 24

## **HDL-C** and adiponectin improved

Improvement were similar with lanifibranor alone or in combination with empagliflozin

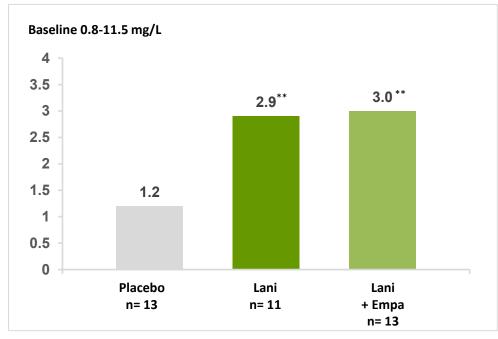


**HDL-C, N=38** LS Mean Relative change (%) from Baseline to Week 24

Baseline 0.6 - 2.0 mmol/L 20 16\* 15<sup>†</sup> 10 0 Placebo Lani Lani n= 13 n= 12 + Empa n= 13

\*p<0.10, versus placebo (MMRM) † p<0.01, versus baseline (MMRM) One patient under placebo was not considered in the FAS because of no post-treatment HDL-C values available (premature discontinuation before Week 4)

Adiponectin, N=37 LS Mean Fold change from Baseline to Week 24



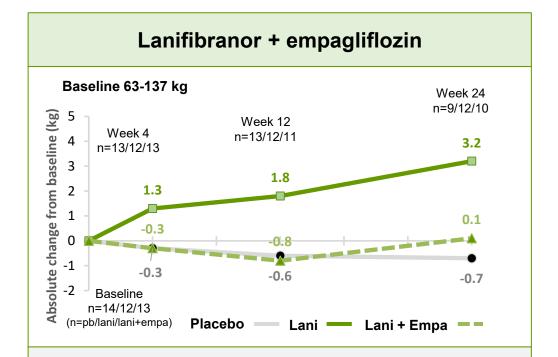
\*\*p<0.01, versus placebo (MMRM)

Two patients were not considered in the FAS because not having post-treatment adiponectin values available:

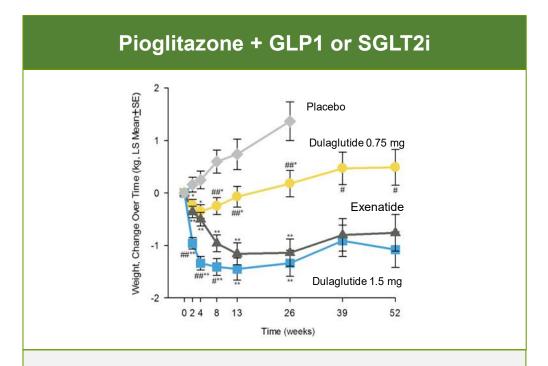
- 1 patient under placebo who prematurely stopped before Week 4
- 1 patient under lanifibranor who received 'Metformin' as rescue medication (intercurrent event) before Week 4

## SGLT2 inhibitor empagliflozin mitigates lanifibranor weight gain

Meta-analysis data suggest that GLP-1s have a similar effect when combined with PPARs



In the LEGEND trial, albeit with a small n, results suggested that empagliflozin, an SGLT2i, completely mitigated the lanifibranor weight gain profile over 24 weeks

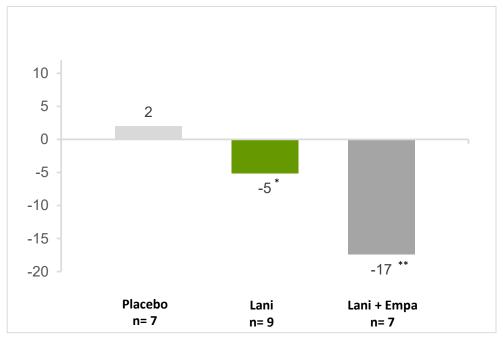


Recently published meta-analyses suggested that pioglitazone with GLP1 or SGLT2i is associated with increased weight loss and reduced risk of heart failure compared with monotherapy

# Lanifibranor alone and in combination with empagliflozin leads to a shift towards metabolically healthy adipose tissue



Ratio VAT/SAT, N=23 LS Mean Relative change (%) from Baseline to Week 24



SAT=Subcutaneous Adipose Tissue, VAT=Visceral Adipose Tissue \* p=0.08, \*\*p<0.05, versus placebo (ANCOVA)

Sixteen patients were not considered in the FAS because of no VAT/SAT values available at Week 24:

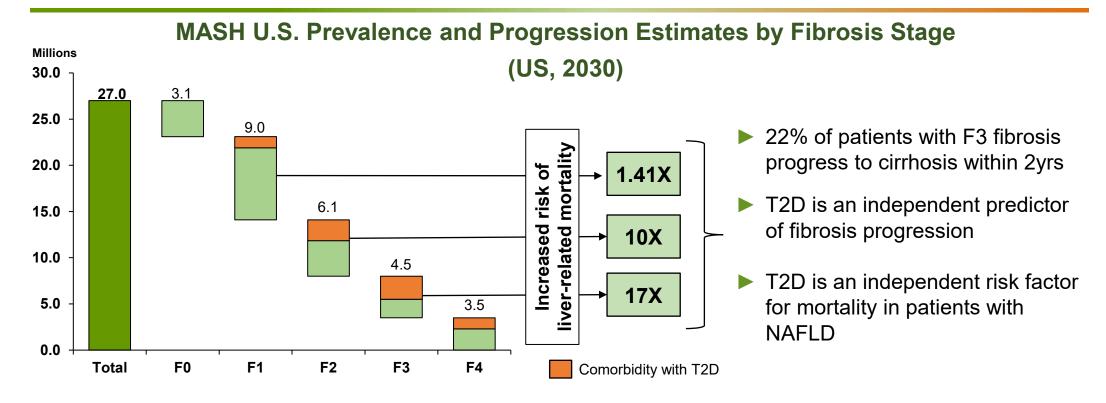
- 5 patients under placebo and 1 patient under lani+empa who prematurely stopped before Week 24
- 2 patients under placebo / 3 patients under lanifibranor / 5 patients under lani+empa with missing values at Week 24



# **Lanifibranor for the Treatment of MASH**

## MASH with advanced fibrosis represents a high unmet medical need

Patients with MASH and type 2 diabetes are at higher risk



# Despite Rezdiffra approval, treatment needs still exist for patients with advanced fibrosis...

- Rezdiffra<sup>TM</sup> 's published rates of fibrosis improvement are indirect and at best modest with 12% effect size
- Rezdiffra<sup>TM</sup> has no impact on glycemic parameters
- Rezdiffra<sup>TM</sup> does not appear to synergize with incretins, where use is growing in obesity
- Pipeline agents targeting FGF21 are injectable and have an unfavorable GI AE profile
- MASH patients need more than one oral option available to them

Source: Estes. 2018. Hepatology; Sanyal. EASL. 2024; Lomanoco Diabetes Care 2021;44(2):399-406; Angulo P, et al. Gastroenterology. 2015;149:389-397. 2. Loomba R, Adams L. Hepatology. 2019;70(6):1885-1888; Noureddin et al. AASLD 2024: KOL Interviews: Inventiva Analysis.

NAFLD: Nonalcoholic fatty liver disease; MASH: Metabolic dysfunction-associated steatohepatitis



## Lanifibranor is well-positioned in the MASH market

Multiple competitive advantages vs. other therapies

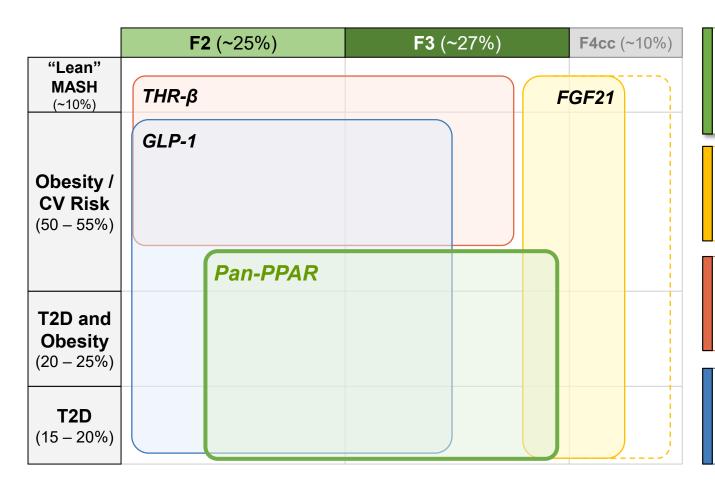
|                         | inventiva                                  | Madrigal VIKING                               | ak <b>=ro</b><br>89bio                           | Boehringer Ingelheim  Lilly  |  |
|-------------------------|--|---|--|--|--|
|                         | pan-PPAR                                   | THR-β   | FGF-21   | GLP-1  |  |
| Route of administration | Oral                                       | Oral  | Injectable                                       | Injectable   |  |
| Fibrosis improvement    | Direct activity seen at 6 months           | Indirect<br>seen after 12 months              | Direct activity seen at 6 months                 | Indirect<br>seen with sema. after 18<br>month. Reported by BI &<br>Lilly after 12 months |  |
| MASH resolution         | $\checkmark$                               | $\checkmark$                                  | ✓  | $\checkmark$   |  |
| Insulin resistance      | $\checkmark$                               | X   | ✓  | $\checkmark$   |  |
| Tolerability            | Limited dropout<br>Limited GI side effects | Limited dropout GI side effects on initiation | High dropout due to GI side-effects & injections | High dropout due to GI side-effects & injections   |  |

### Lanifibranor

- Data suggests fibrosis improvement, MASH resolution and cardiometabolic benefits
- Balanced pan-PPAR agonists have a favorable insulin sensitivity profile, manageable AEs and oral route of administration making them a promising candidate for patients with advanced fibrosis and/or for combination therapy, particularly in patients with comorbid T2D

## Lanifibranor could play a key role in several high unmet need segments

#### Priority patient segment based on KOL feedback at time of lanifibranor launch



Pan-PPAR agonists have strong antifibrotic and insulin sensitivity profile, and the AEs are manageable

FGF21s likely to be used in advanced patients due to GI side effects, bone density reduction and injectable RoA

THR-B agonists have modest efficacy best suited for early-stage patients,

**GLP-1s** are modestly effective antifibrotic, but key backbone therapy with cardiometabolic benefits

## Lanifibranor: well positioned in MASH, especially in patients with T2D

Based on patient type, can be used as a monotherapy or in combination with anti-diabetic agents

#### **Lanifibranor Profile**

**Improvements** observed in Fibrosis, CV, and Metabolic **Markers** 

- Superior fibrosis improvement to Rezdiffra<sup>TM\*</sup>
- Oral dosing differentiates from FGF21 and incretin agents
- Sustained improvements in hepatic, CV, and glycaemic biomarkers
- Synergy with SGLTs agents

Comprehensive impact on MASH and associated cardiometabolic morbidities

**Balanced Safety Profile Without** GLP-1 overlapping AEs

- Manageable safety and tolerability issues and no carry-over of AEs and toxicity associated with single and dual PPAR agonists
- Weight gain is limited to one-third of patients with lanifibranor, plateaus after 6-8 months, and did not impact efficacy or metabolic parameters
- Limited overlap of AEs associated with GLP-1s

Clinical results suggest a positive risk-benefit profile

**Top-Line Results** targeted H2 2026

- \$375M multi-tranche financing from existing and new investors in 2024 marks the largest financing of a French biotech and will fully fund Inventiva through NATiV3 TLR if all tranches close
- Phase 3 fully enrolled in H1 2025 and Top-Line Data in H2 2026

Lanifibranor could be the second liverdirected therapy approved for MASH

\*Not a head to head comparison

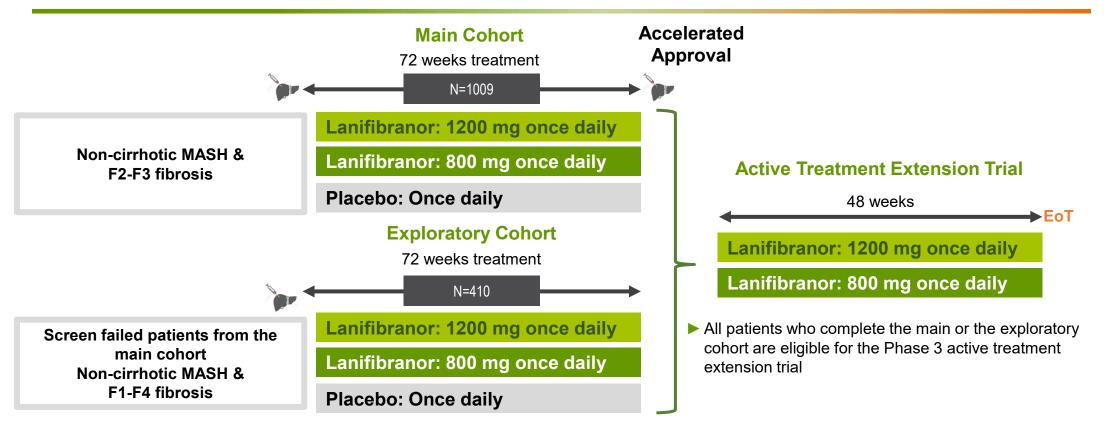
Source: KOL Interviews; Inventiva Analysis.

# NATiV3 Phase 3 Study of lanifibranor in MASH

## NATiV3 fully recruited

Trial design mirrors the successful Phase 2b study





- Primary endpoint: Composite endpoint of patients having both MASH resolution and one stage fibrosis improvement
- Key secondary endpoints: MASH resolution and no worsening of fibrosis, Fibrosis improvement and no worsening of MASH
- GLP1: Patients under a stable dose of GLP1-RA for at least 3 months prior to screening can be included
- Statistical powering: 90% considered for sample size calculations
- Stratification by fibrosis stage and diabetic status
- NATiV3 fully recruited with 1009 patients in the main cohort and 410 in the exploratory cohort
- In a blinded analysis conducted comparing Phase 2b and NATiV3, baseline values and magnitude of changes in relevant biomarkers are consistent

## NATiV3 baseline characteristics are aligned with those of NATIVE Phase 2b

#### Status September 10, 2024

|  |     | Exploratory<br>N=261 | Main<br>N=798 | Randomized<br>N=1059 | NATIVE<br>N=247            |
|--|-----|----------------------|---------------|----------------------|----------------------------|
| Actual<br>Diabetic status<br>(eCRF)      | N   | 259                  | 795           | 1054                 | 247                        |
|  | No  | 152 (59%)            | 355 (45%)     | 507 (48%)            | 144 (58%)                  |
|  | Yes | 107 (41%)            | 440 (55%)     | 547 (52%)            | 103 (42%)                  |
|  |     |                      |               |                      |                            |
| Actual<br>Fibrosis stage<br>(Perspectum) | N   | 260                  | 798           | 1058                 | -                          |
|  | 1-3 | 190 (73%)            | 7 (1%)        | 197 (19%)            | F0: 6 (2%)<br>F1: 53 (22%) |
|  | 2   | 1 (0%)               | 243 (30%)     | 244 (23%)            | 102 (41%)                  |
|  | 3   | 1 (0%)               | 547 (69%)     | 548 (52%)            | 86 (35%)                   |
|  | 4   | 68 (26%)             | 1 (0%)        | 69 (7%)              | 0 (0%)                     |

| GLP-1                   | N   | 261       | 798       | 1059       | -         |
|-------------------------|-----|-----------|-----------|------------|-----------|
| concomitant to Baseline | No  | 228 (87%) | 692 (87%) | 920 (87%)  | -         |
|                         | Yes | 33 (13%)  | 106 (13%) | 139 (13%)  | -         |
| GLP-1                   | N   | 261       | 798       | 1059       | -         |
| post Baseline           | No  | 252 (97%) | 742 (93%) | 994 (94%)  | -         |
|                         | Yes | 9 (3%)    | 56 (7%)   | 65 (6%)    | -         |
|                         | -   |           |           |            |           |
| SGLT2i                  | N   | 261       | 798       | 1059       | 247       |
| concomitant to Baseline | No  | 233 (89%) | 725 (91%) | 958 (90%)  | 240 (97%) |
|                         | Yes | 28 (11%)  | 73 (9%)   | 101 (10%)  | 7 (3%)    |
| SGLT2i                  | N   | 261       | 798       | 1059       | -         |
| post Baseline           | No  | 259 (99%) | 781 (98%) | 1040 (98%) | -         |
|                         | Yes | 2 (1%)    | 17 (2%)   | 19 (2%)    | -         |

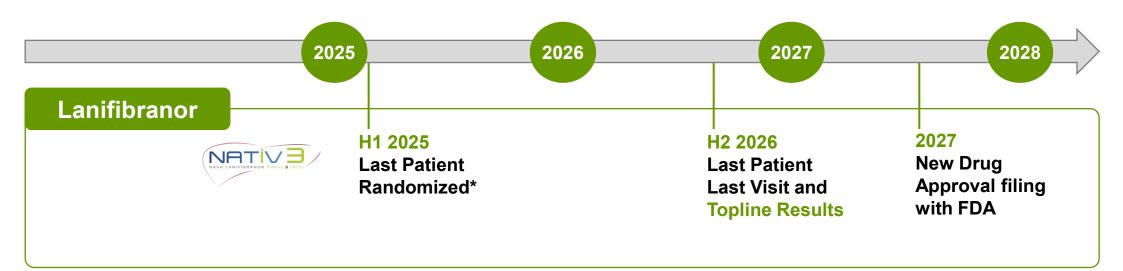
|             |           | Exploratory<br>N=261 | Main<br>N=798  | Randomized<br>N=1059 | NATIVE<br>N=247 |
|-------------|-----------|----------------------|----------------|----------------------|-----------------|
| Weight (kg) | N         | 261                  | 798            | 1059                 | 247             |
|             | Mean ± SD | 94.9 ± 21.3          | 98.7 ±<br>23.6 | 97.8 ± 23.1          | 93.3 ± 18.8     |
|             | Median    | 95                   | 96             | 95                   | 92              |
|             | Min; Max  | 44; 163              | 46; 249        | 44; 249              | 50; 147         |
|             |           |                      |                |                      |                 |
| BMI (kg/m2) | N         | 260                  | 798            | 1058                 | 247             |
|             | Mean ± SD | 34.2 ± 7.0           | 35.3 ± 7.0     | 35.0 ± 7.0           | 32.9 ± 5.4      |
|             | Median    | 33                   | 34             | 34                   | 32              |
|             | Min; Max  | 20; 64               | 21; 77         | 20; 77               | 21; 45          |
| BMI class   | Non obese | 65 (25%)             | 175 (22%)      | 240 (23%)            | 86 (35%)        |
|             | Obese     | 195 (75%)            | 623 (78%)      | 818 (77%)            | 161 (65%)       |

- Higher percentage of patients with T2D in the Phase 3 versus the Phase 2b: 55% vs 42%. The effect size of lanifibranor in the Phase 2b on the primary efficacy endpoint of NATiV3 (MASH resolution and fibrosis improvement) was higher in patients with T2D: 21% and 26% for lanifibranor 800 and 1200 mg/day in patients with T2D versus 7% and 22% in patients who did not have diabetes
- NATiV3 expected to generate data of lanifibranor in combination with GLP1 and with SGLT2 inhibitors
- Blinded analyses of Phase 3 data suggest preliminary biomarkers in line with Phase 2b NATIVE study results

## NATiV3 data expected in H2 2026

Lanifibranor could be the second oral liver-directed agent for the treatment of MASH if approved

#### Targeted timeline for anticipated catalysts



#### **Financing**

A \$400M+ Financing in October 2024 capitalized Inventiva to execute on the clinical trial through to NDA1

#### **Targeted Timeline to Potential Launch**

Lanifibranor could be the second oral, livertargeted agent on the market in 2028 if NDA is filed and approved.

Best-in-class fibrosis, cardiovascular, and metabolic benefits

<sup>(1)</sup> In October 2024, Inventiva announced a multi-tranche equity financing of up to €348 million, subject to conditions, and up to \$30 million in milestone payments. \* Announced on April 2, 2025



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