PRESS RELEASE

Results of LEGEND evaluating lanifibranor in combination with empagliflozin in MASH selected for oral presentation at the upcoming EASL SLD Summit 2025

Daix (France), New York City (New York, United States), January 22, 2025 – Inventiva (Euronext Paris and Nasdaq: IVA) ("Inventiva" or the "Company"), a clinical-stage biopharmaceutical company focused on the development of oral small molecule therapies for the treatment of metabolic dysfunction-associated steatohepatitis ("MASH") and other diseases with significant unmet medical needs, today announced that the results from its Proof-of-Concept trial evaluating lanifibranor in combination with empagliflozin for the treatment of MASH have been selected to be presented by Dr. Onno Holleboom in an oral plenary presentation at the upcoming Steatotic Liver Disease (SLD) Summit 2025 hosted by the European Association for the Study of the Liver (EASL) on January 23-25 in Estoril, Portugal.

The abstract evaluates the impact of combining lanifibranor with empagliflozin on metabolic improvements in patients with MASH and type-2 diabetes (T2D). The LEGEND trial, a multi-center, randomized, placebo-controlled Phase II Proof-of-Concept study, was designed to assess the safety and efficacy of lanifibranor (800mg/once daily) in combination with the SGLT2 inhibitor empagliflozin over a 24-week treatment period in patients with non-cirrhotic MASH and T2D.

The study met its primary efficacy endpoint, demonstrating a significant reduction in HbA1c levels in both the lanifibranor arm and the combination arm (lanifibranor with empagliflozin) compared to placebo. Furthermore, therapeutic efficacy with statistical significance was observed across multiple secondary endpoints, including markers of liver injury, glucose and lipid metabolism, and hepatic steatosis. The improvement in cardiometabolic and hepatic markers of MASH was similar in both active treatment groups. Of note, there was no weight gain in patients receiving the combination of lanifibranor and empagliflozin. The treatment with lanifibranor at a dosage of 800mg/once daily alone or in combination with empagliflozin was well tolerated, with no safety concerns reported.

The details of the presentation are as follows:

Abstract title:	"The combination of lanifibranor with empagliflozin further enhances metabolic improvement in patients with metabolic dysfunction-associated steatohepatitis (MASH) and type-2 diabetes (T2D)"
Publication number:	OS-10
Type of presentation:	Oral presentation
Presenting author:	Dr. Onno Holleboom, Internist and endocrinologist at Amsterdam University Medical Centers and co-Principal Investigator of LEGEND
Authors:	A.G. (Onno) Holleboom, Michelle Lai, Lucile Dzen, Philippe Huot-Marchand, Jean-Louis Junien, Louis Griffel, Pierre Broqua, Sanjaykanumar Patel, Michael Cooreman.
Date and time:	Saturday, January 25, 2025 – 2:45pm-4:15pm (CET)

About Inventiva

Inventiva is a clinical-stage biopharmaceutical company focused on the research and development of oral small molecule therapies for the treatment of patients with MASH and other diseases with significant unmet medical need. The Company benefits from a strong expertise and experience in the field of compounds targeting nuclear

receptors, transcription factors and epigenetic modulation. Inventiva is currently advancing one clinical candidate, has a pipeline of two preclinical programs and continues to explore other development opportunities to add to its pipeline.

Inventiva's lead product candidate, lanifibranor, is currently in a pivotal Phase III clinical trial, NATiV3, for the treatment of adult patients with MASH, a common and progressive chronic liver disease.

Inventiva's pipeline also includes odiparcil, a drug candidate for the treatment of adult MPS VI patients. As part of Inventiva's decision to focus clinical efforts on the development of lanifibranor, it suspended its clinical efforts relating to odiparcil and is reviewing available options with respect to its potential further development. Inventiva is also in the process of selecting a candidate for its Hippo signaling pathway program.

The Company has a scientific team of approximately 90 people with deep expertise in the fields of biology, medicinal and computational chemistry, pharmacokinetics and pharmacology, and clinical development. It owns an extensive library of approximately 240,000 pharmacologically relevant molecules, approximately 60% of which are proprietary, as well as a wholly owned research and development facility.

Inventiva is a public company listed on compartment B of the regulated market of Euronext Paris (ticker: IVA, ISIN: FR0013233012) and on the Nasdaq Global Market in the United States (ticker: IVA).
www.inventivapharma.com.

Contacts

Inventiva
Pascaline Clerc, PhD
EVP, Strategy and Corporate Affairs
media@inventivapharma.com
+1 202 499 8937

Brunswick Group
Tristan Roquet Montegon /
Aude Lepreux / Julia Cailleteau
Media relations
inventiva@brunswickgroup.com
+33 1 53 96 83 83

Westwicke, an ICR Company
Patricia L. Bank
Investor relations
patti.bank@westwicke.com
+1 415 513 1284

Important Notice

This press release contains certain "forward-looking statements" within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, included in this press release are forward-looking statements. These statements include, but are not limited to, forecasts and estimates with respect to Inventiva's pre-clinical programs and clinical trials, including design, protocol, duration, timing, recruitment costs, screening and enrollment for those trials, including the ongoing NATiV3 Phase III clinical trial with lanifibranor in MASH and the LEGEND Phase II, Proof-of-Concept combination trial with lanifibranor and empagliflozin in patients with MASH *and T2D, and the results and timing thereof and regulatory matters with respect thereto, clinical trial data releases and publications, the information, insights and impacts that may be gathered from clinical trials, the potential therapeutic benefits including reduction in HbA1c, reduction in hepatic steatosis, the effect on liver enzymes (ALT and AST), insulin resistance (HOMA-IR), HDL, adiponectin, liver inflammation and fibrosis, and reduction in the VAT/SAT ratio, of lanifibranor alone and in combination with empagliflozin in patients with MASH and T2D, of Inventiva's product candidates, including lanifibranor alone and in combination with empagliflozin, the effect of lanifibranor alone and in combination with empagliflozin on the weight of the patients receiving treatment, the tolerability and safety profile of lanifibranor observed during trials, the potential of lanifibranor to address the specific metabolic unbalance in patients with T2D while also addressing steatosis and fibrosis, a hepatic consequence of insulin resistance, the estimated market size and patient population, potential regulatory submissions, approvals and commercialization, Inventiva's pipeline and preclinical and clinical development plans, the potential development of and regulatory pathway for odiparcil, and future activities, expectations, plans, growth and prospects of Inventiva and its partners. Certain of*

these statements, forecasts and estimates can be recognized by the use of words such as, without limitation, "believes", "anticipates", "expects", "intends", "plans", "seeks", "estimates", "may", "will", "would", "could", "might", "should", "designed", "hopefully", "target", "potential", "opportunity", "possible", "aim", and "continue" and similar expressions. Such statements are not historical facts but rather are statements of future expectations and other forward-looking statements that are based on management's beliefs. These statements reflect such views and assumptions prevailing as of the date of the statements and involve known and unknown risks and uncertainties that could cause future results, performance, or future events to differ materially from those expressed or implied in such statements. Actual events are difficult to predict and may depend upon factors that are beyond Inventiva's control. There can be no guarantees with respect to pipeline product candidates that the clinical trial results will be available on their anticipated timeline, that future clinical trials will be initiated as anticipated, that product candidates will receive the necessary regulatory approvals, or that any of the anticipated milestones by Inventiva or its partners will be reached on their expected timeline, or at all. Future results may turn out to be materially different from the anticipated future results, performance or achievements expressed or implied by such statements, forecasts and estimates, due to a number of factors, including that interim data or data from any interim analysis of ongoing clinical trials may not be predictive of future trial results, the recommendation of the DMC may not be indicative of a potential marketing approval, Inventiva cannot provide assurance on the impacts of the Suspected Unexpected Serious Adverse Reaction on enrollment or the ultimate impact on the results or timing of the NATiV3 trial or regulatory matters with respect thereto, that Inventiva is a clinical-stage company with no approved products and no historical product revenues, Inventiva has incurred significant losses since inception, Inventiva has a limited operating history and has never generated any revenue from product sales, Inventiva will require additional capital to finance its operations, in the absence of which, Inventiva may be required to significantly curtail, delay or discontinue one or more of its research or development programs or be unable to expand its operations or otherwise capitalize on its business opportunities and may be unable to continue as a going concern, Inventiva's ability to obtain financing and to enter into potential transactions, Inventiva's ability to satisfy in part or full the closing conditions for the second tranche of the financing announced on October 14, 2024 (the "Multi-Tranche Financing"), and whether and to what extent the prefunded warrants issued in connection with the Multi-Tranche Financing may be exercised and by which holders, Inventiva's future success is dependent on the successful clinical development, regulatory approval and subsequent commercialization of current and any future product candidates, preclinical studies or earlier clinical trials are not necessarily predictive of future results and the results of Inventiva's and its partners' clinical trials may not support Inventiva's and its partners' product candidate claims, Inventiva's expectations with respect to its clinical trials may prove to be wrong and regulatory authorities may require holds and/or amendments to Inventiva's clinical trials, Inventiva's expectations with respect to the clinical development plan for lanifibranor for the treatment of MASH may not be realized and may not support the approval of a New Drug Application, Inventiva and its partners may encounter substantial delays beyond expectations in their clinical trials or fail to demonstrate safety and efficacy to the satisfaction of applicable regulatory authorities, the ability of Inventiva and its partners to recruit and retain patients in clinical studies, enrollment and retention of patients in clinical trials is an expensive and time-consuming process and could be made more difficult or rendered impossible by multiple factors outside Inventiva's and its partners' control, Inventiva's product candidates may cause adverse drug reactions or have other properties that could delay or prevent their regulatory approval, or limit their commercial potential, Inventiva faces substantial competition and Inventiva's and its partners' business, and preclinical studies and clinical development programs and timelines, its financial condition and results of operations could be materially and adversely affected by geopolitical events, such as the conflict between Russia and Ukraine and related sanctions, impacts and potential impacts on the initiation, enrollment and completion of Inventiva's and its partners' clinical trials on anticipated timelines and the conflict in the Middle East and the related risk of a larger conflict, health epidemics, and macroeconomic conditions, including global inflation, fluctuations in interest rates, uncertain financial markets and disruptions in banking systems. 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 press release. 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, 2023, filed with the Autorité des Marchés Financiers on April 3, 2024, as amended on October 14, 2024, and the Annual Report on Form 20-F

for the year ended December 31, 2023, filed with the Securities and Exchange Commission (the "SEC") on April 3, 2024 and the Half-Year Report for the six months ended June 30, 2024 on Form 6-K filed with the SEC on October 15, 2024 for other risks and uncertainties affecting Inventiva, including those described under the caption "Risk Factors", and in future filings with the SEC. Other risks and uncertainties of which Inventiva is not currently aware may also affect its forward-looking statements and may cause actual results and the timing of events to differ materially from those anticipated. All information in this press release is as of the date of the release. Except as required by law, Inventiva has no intention and is under no obligation to update or review the forward-looking statements referred to above. Consequently, Inventiva accepts no liability for any consequences arising from the use of any of the above statements.