



Pharming Group N.V.

**Corporate Overview** 

#### January 2023

NASDAQ: PHAR | EURONEXT Amsterdam: PHARM





This presentation may contain forward-looking statements. Forward-looking statements are statements of future expectations that are based on management's current expectations and assumptions and involve known and unknown risks and uncertainties that could cause actual results, performance, or events to differ materially from those expressed or implied in these statements. These forward-looking statements are identified by their use of terms and phrases such as "aim", "ambition", "anticipate", "believe", "could", "estimate", "(expect", "goals", "intend", "may", "milestones", "objectives", "outlook", "plan", "probably", "project", "risks", "schedule", "seek", "should", "target", "will" and similar terms and phrases. Examples of forward-looking statements may include statements with respect to timing and progress of Pharming's preclinical studies and clinical trials of its product candidates, Pharming's clinical and commercial prospects, and Pharming's expectations regarding its projected working capital requirements and cash resources, which statements are subject to a number of risks, uncertainties and assumptions, including, but not limited to the scope, progress and expansion of Pharming's clinical trials and ramifications for the cost thereof; and clinical, scientific, regulatory and technical developments. In light of these risks and uncertainties, and other risks and uncertainties that are described in Pharming's 2021 Annual Report and the Annual Report on Form 20-F for the year ended December 31, 2021, filed with the U.S. Securities and Exchange Commission, the events and circumstances discussed in such forward-looking statements may not occur, and Pharming's actual results could differ materially and adversely from those anticipated or implied thereby. All forward-looking statements contained in this press release are expressly gualified in their entirety by the cautionary statements contained or referred to in this section. Readers should not place undue reliance on forward-looking statements. Any forwardlooking statements speak only as of the date of this press release and are based on information available to Pharming as of the date of this release. Pharming does not undertake any obligation to publicly update or revise any forward-looking statement as a result of new information, future events or other information.

#### **Company Overview**





One commercialized asset: RUCONEST<sup>®</sup> (rhC1INH) for the treatment of acute hereditary angioedema (HAE)



Commercialization reach: active in over 30 markets, including the US, the EEA, the UK and MENA



Anticipated regulatory approvals & launch of leniolisib, a PI3Kδ inhibitor in development for APDS, in 2023 (approvals - FDA 1Q, EMA 1H, MHRA 2H)



Development of rare disease pipeline and leniolisib/PI3Kδ for additional rare disease indications



Headquarters

Leiden, Netherlands (Global) Warren, New Jersey (US)



EURONEXT Amsterdam: PHARM (since 1999) Nasdaq: PHAR (since 2020)

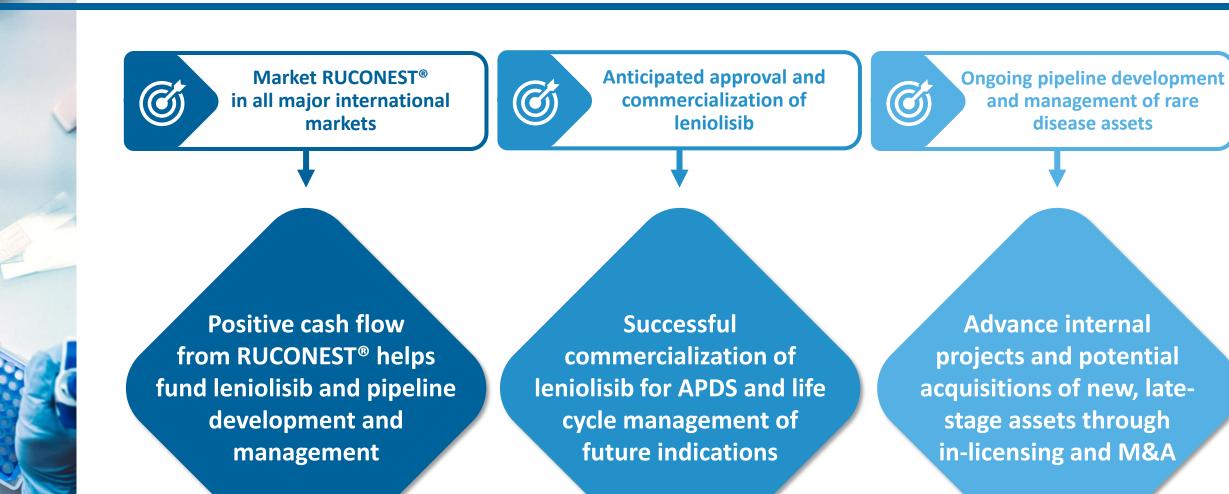






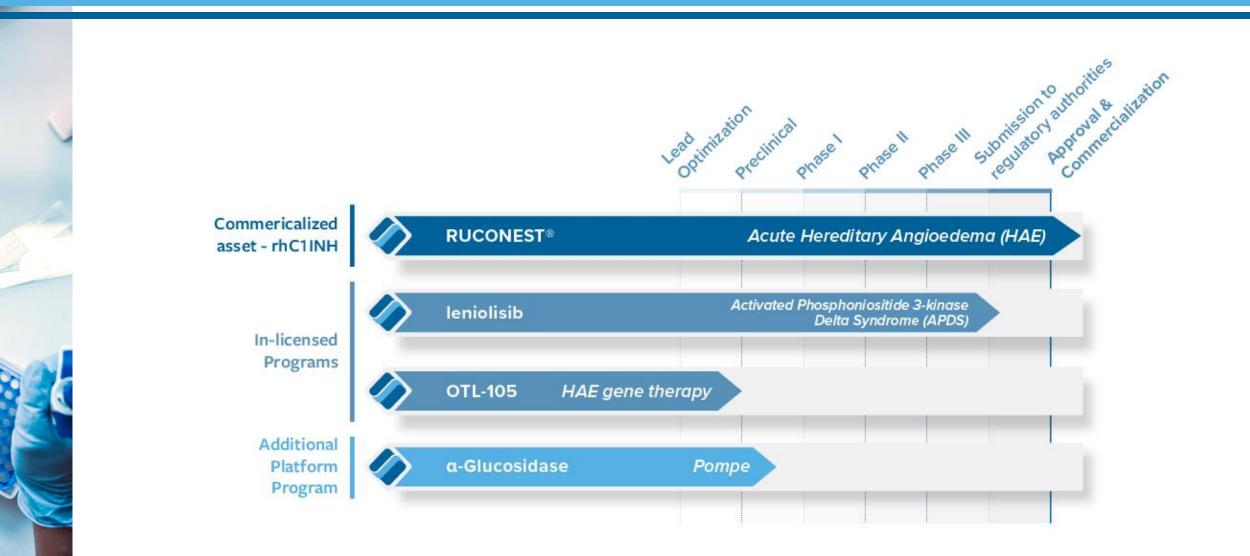
#### **Building a sustainable rare disease business**





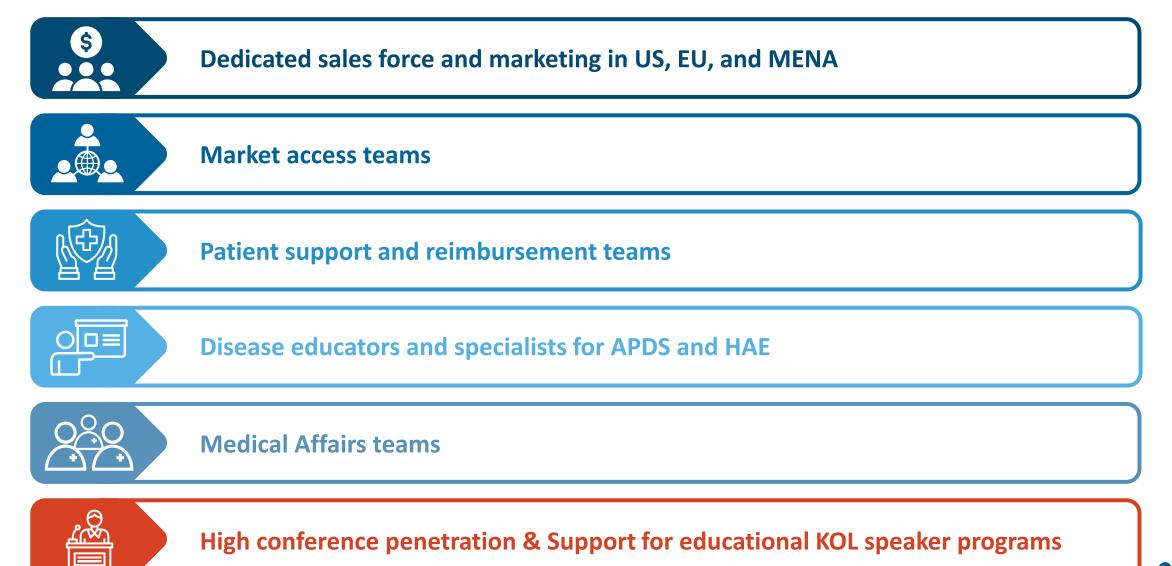
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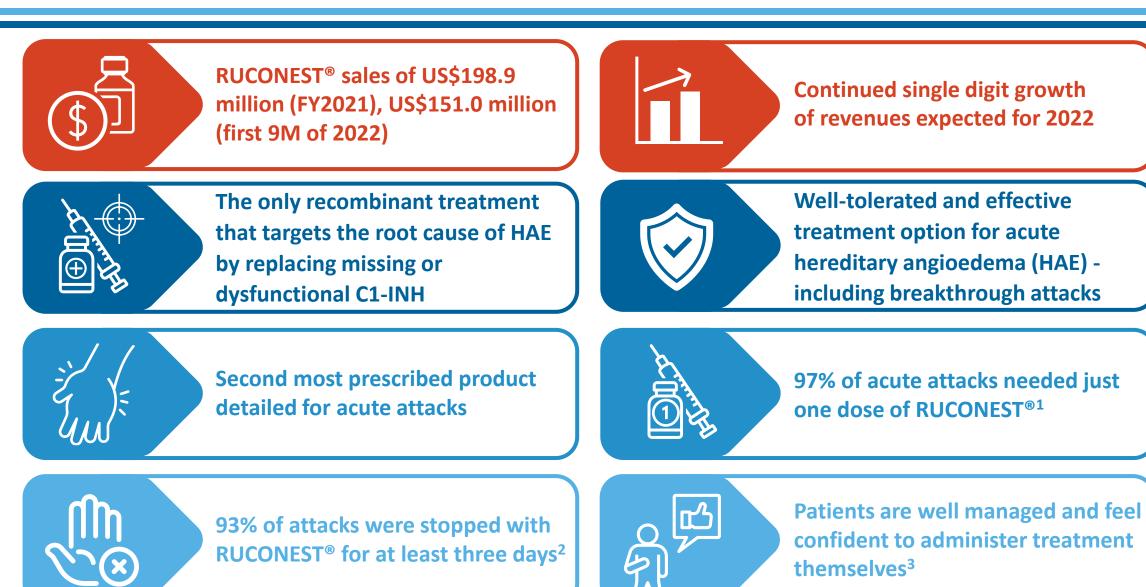




## **RUCONEST**<sup>®</sup>

#### **RUCONEST®** (rhC1INH): sustainable commercialized asset

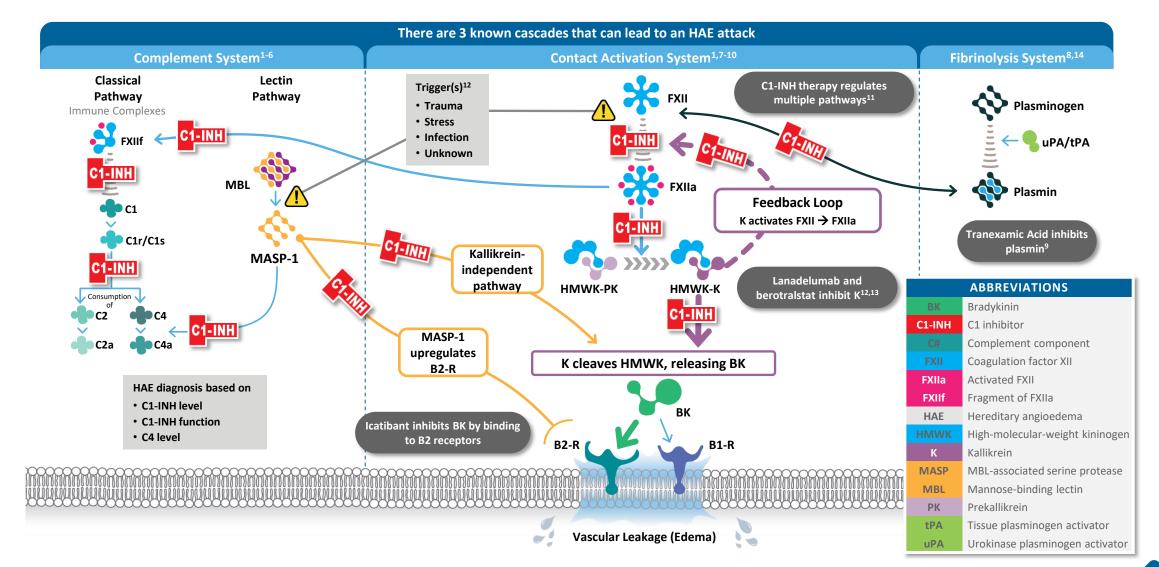




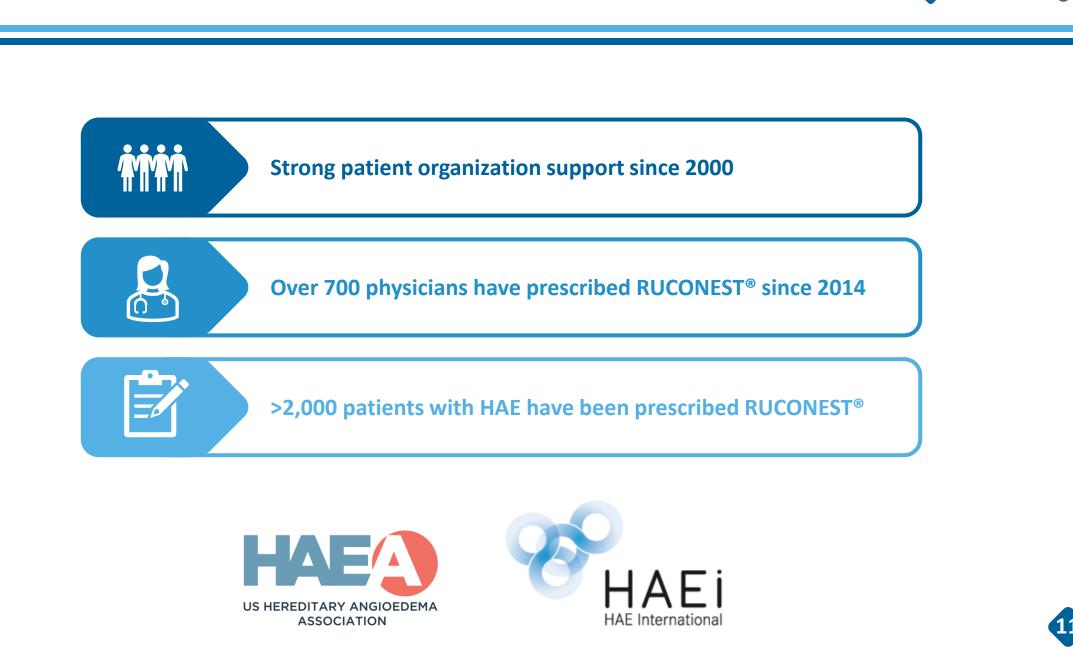
References: 1. RUCONEST<sup>®</sup>. Prescribing information. Pharming Healthcare Inc; 2020. 2. Bernstein JA, et al. Ann Allergy Asthma Immunol. 2017;118(4):452-453. 3. Data on file. Pharming Healthcare Inc; 2019 The most common adverse reactions (incidence ≥2%) were headache, nausea and diarrhea. The most serious adverse reaction reported in clinical trials was anaphylaxis.

### **Importance of C1-INH in Hereditary Angioedema**





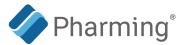
Adapted from a clinical cascade developed in partnership with Dr. Allen Kaplan. This is a current scientific understanding of the cascades. Clinical implications are unknown.

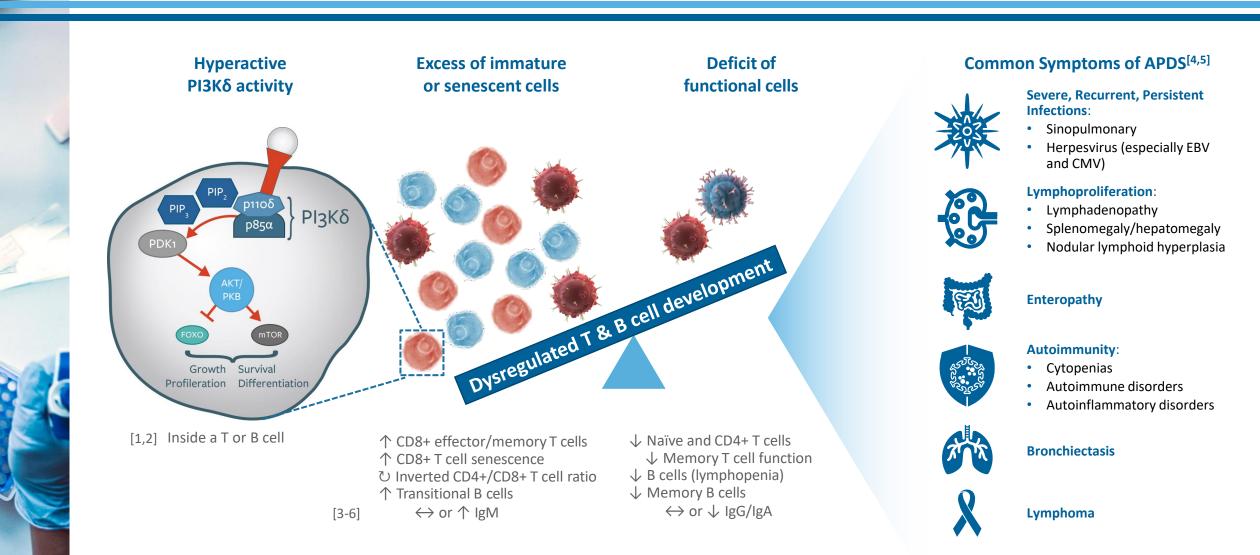


Pharming®



#### Genetic defect leads to PI3Kô hyperactivity, causing APDS symptoms



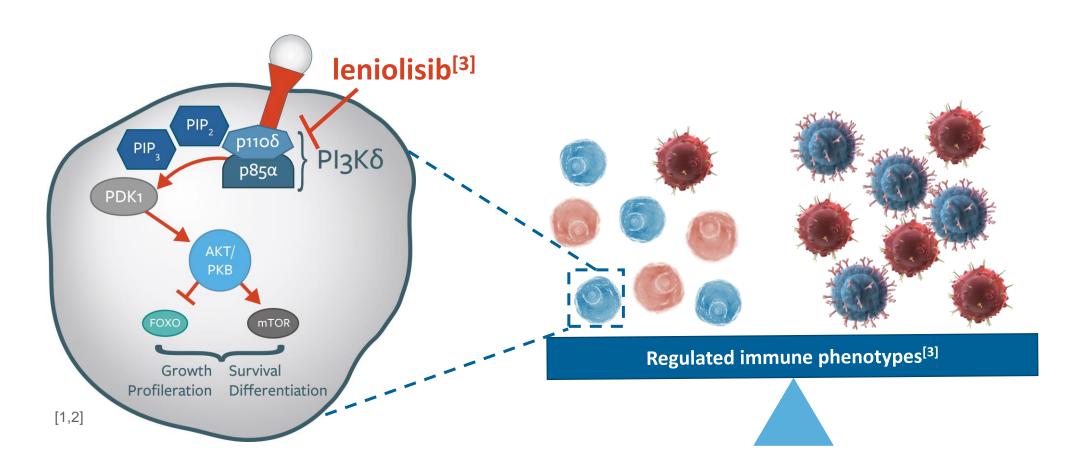


APDS, activated phosphoinositide 3-kinase δ syndrome; CMV, cytomegalovirus; EBV, Epstein-Barr virus; FOXO, forkhead box O; Ig, immunoglobulin; PDK1, phosphoinositide-dependent protein kinase 1; PIP<sub>2</sub>, phosphatidylinositol 4,5-bisphosphate; PIP<sub>3</sub>, phosphatidylinositol 3,4,5-trisphosphate; PI3Kδ, phosphoinositide 3-kinase δ; PKB, protein kinase B.

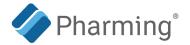
1. Fruman DA, et al. *Cell*. 2017;170(4):605-635. 2. Okkenhaug K, Vanhaesebroeck B. *Nat Rev Immunol*. 2003;3(4):317-330. 3. Lucas CL, et al. *Nat Immunol*. 2014;15(1):88-97. 4. Coulter TI, et al. *J Allergy Clin Immunol*. 2017;139(2):597-606. 5. Elkaim E, et al. *J Allergy Clin Immunol*. 2016;138(1):210-218. 6. Jamee M, et al. *Clin Rev Allergy Immunol*. 2020;59(3):323-333.

#### Leniolisib: a targeted disease modifying treatment for APDS

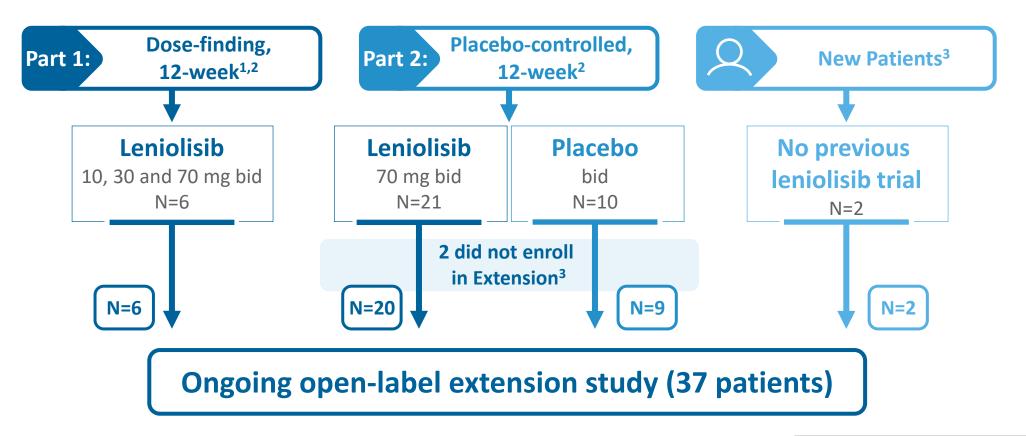




Leniolisib balances PI3Kδ enzyme activity Addressing immune deficiency and dysregulation



#### **Completed Ph2/3 DBPC Registrational Trial**



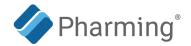
Data cutoff: December 13, 2021

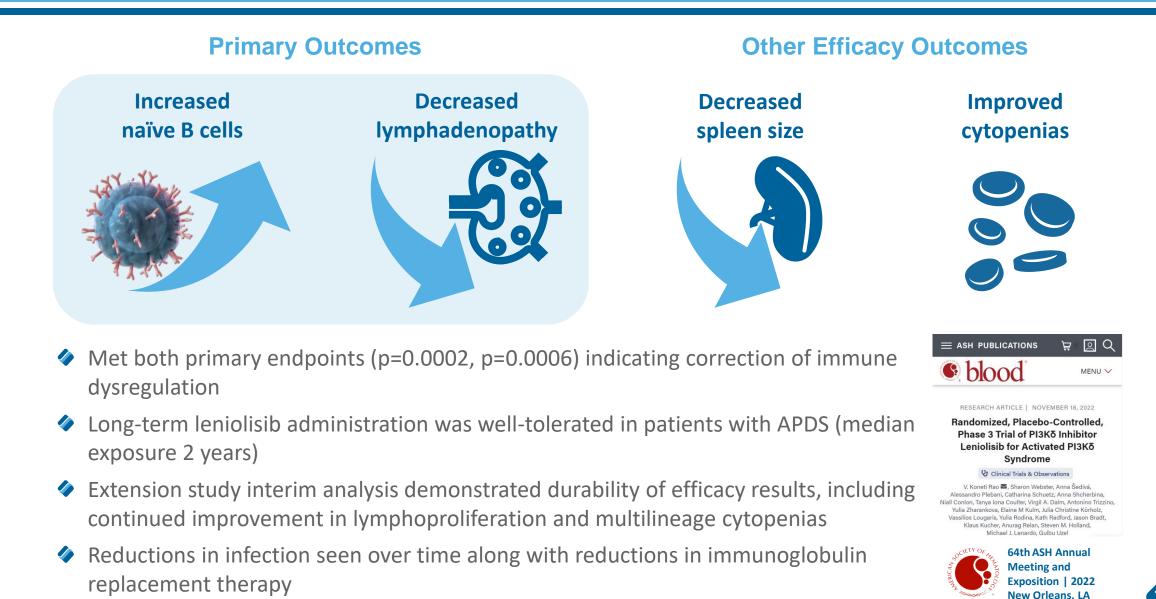
bid, twice a day.

1. Rao VK, et al. *Blood*. 2017;130(21):2307-2316. 2. NCT02435173. ClinicalTrials.gov. https://clinicaltrials.gov/ct2/show/NCT02435173. Updated August 10, 2022. Accessed August 18, 2022. 3. Data on file. Pharming Healthcare Inc. 2022. 4. NCT02859727. ClinicalTrials.gov. https://clinicaltrials.gov/ct2/show/NCT02859727. Updated July 25, 2022. Accessed August 18, 2022.



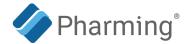
Leniolisib clinical summary – RCT and long-term extension study Highly effective therapy addresses underlying cause of APDS

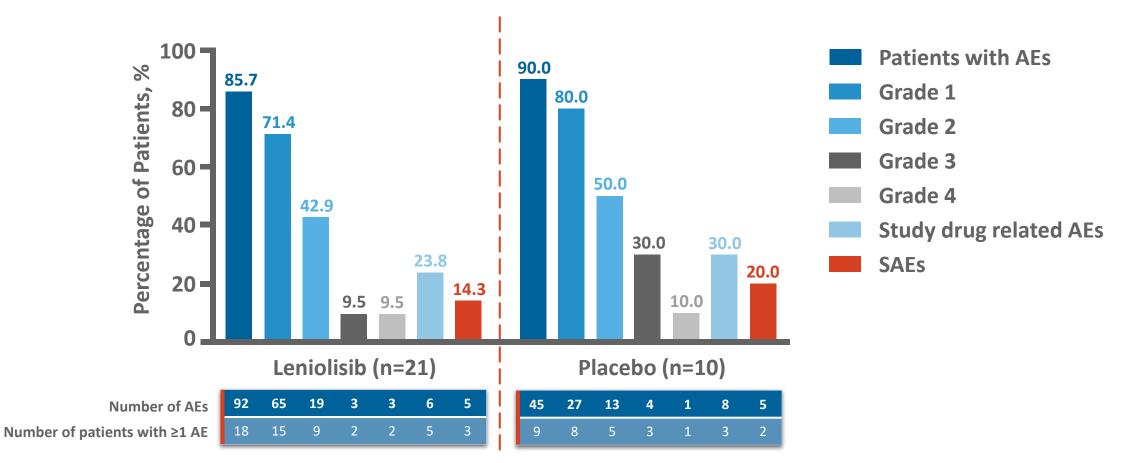




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#### Safety Data from RCT: Leniolisib was well-tolerated





- No deaths (grade 5 AEs) were reported
- No AEs led to discontinuation of study treatment
- No SAEs were related to study treatment, and the incidence of SAEs was lower in the leniolisib group than the placebo group

CTC were used to determine AE grade. If CTC-AE grading did not exist for an AE, the following definitions were used: 1, mild; 2, moderate; 3, severe; 4, life-threatening; 5, death. AEs, adverse events; CTC, Common Toxicity Criteria; SAEs, serious adverse events. Data on file. Pharming Healthcare Inc. 2022.



Market opportunity with an estimated >1,350 patients\* (500 US, 675 EU, 190 Japan) APDS patients. >500 patients globally identified by Pharming to date

(as of December 2022)

Partnership with **Invitae** – a compressive genetic platform – used to find APDS patients in the US



Disease educators and patient finders – experience in finding patients with rare, ultra-rare diseases

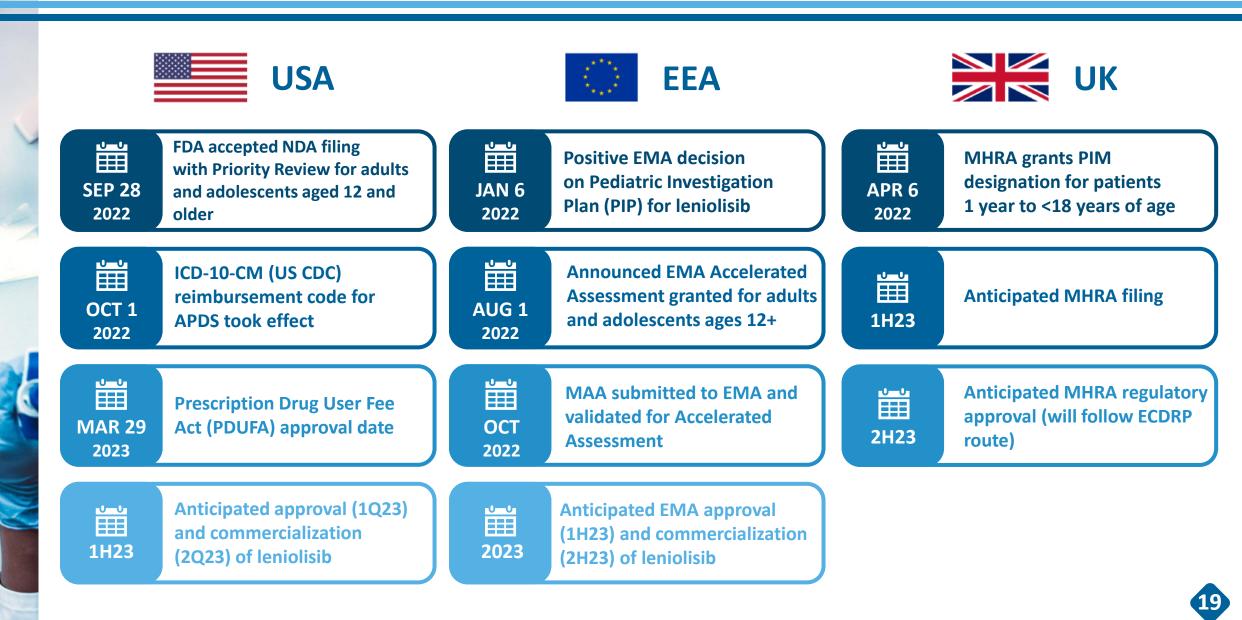


Strong presence by Pharming and clinical collaborators at well-regarded conferences

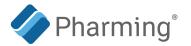




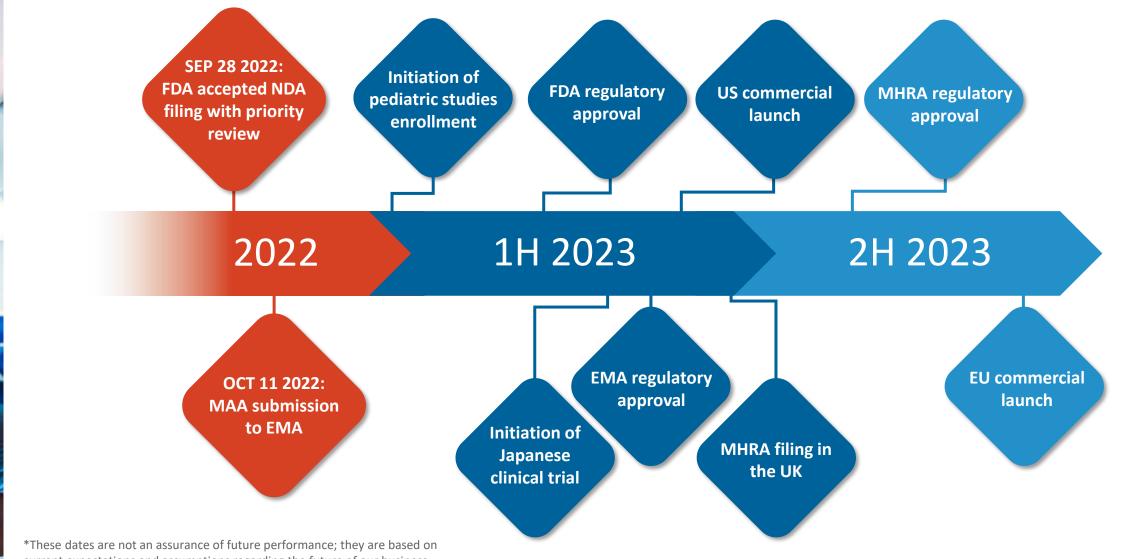
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#### **Anticipated milestones for leniolisib\***



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current expectations and assumptions regarding the future of our business. Please refer to our Forward-looking Statement on slide 2 of this presentation.



#### **Progress continues in preclinical studies**

#### **OTL-105**



Good progress on developing the lentiviral vector to enhance C1-inhibitor expression, now testing in preclinical HAE disease models

POMPE

Study into the development of a next-generation alpha-glucosidase therapy for the treatment of Pompe disease is ongoing



Anticipate providing further updates as we move towards preparing an Investigational New Drug (IND) filing



Currently engaged in preclinical studies. As and when results from these preclinical studies become available, we will update the market





### **Financials and Outlook**



US\$198.9 million total revenues for FY2021. Revenues for first 9M of 2022 increased by 3% compared to the first 9M 2021



Gross profit increased by 7% to US\$139.7 million, driven by growth in revenues, production efficiencies, and favorable tailwind from currency translation effects



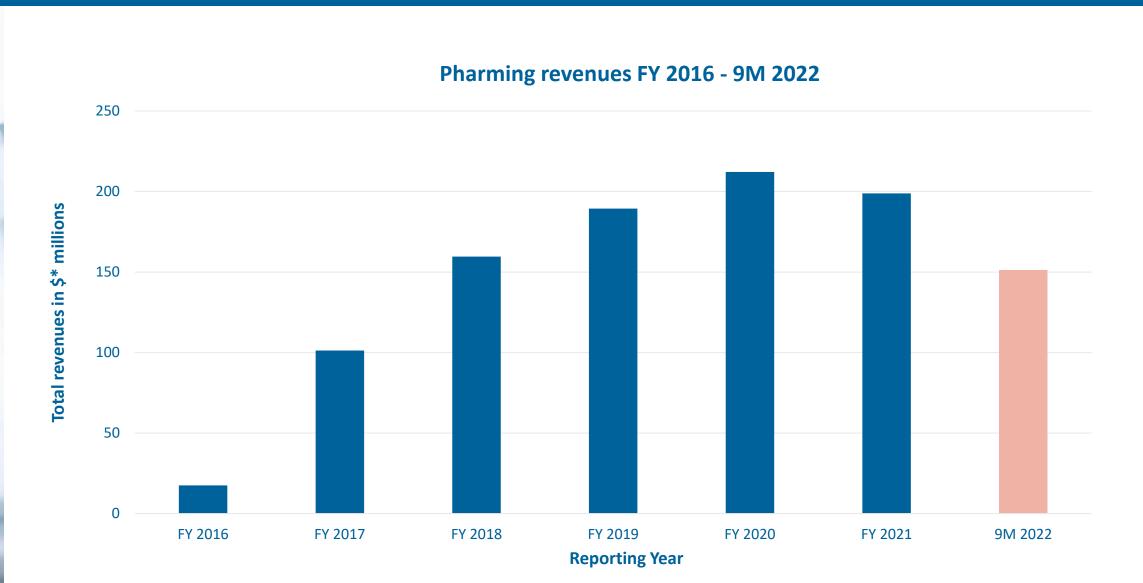
Net profit increased by 104% compared to first 9M 2021, driven by an increase in Other income

Ξ.Ο.

Cash and cash equivalents, together with restricted cash, decreased from US\$193.0 million at the end of 2021, to US\$189.9 million at the end of the third quarter 2022.



# Pharming Group revenues since reacquiring RUCONEST<sup>®</sup> rights from Valeant Pharmaceuticals

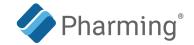


Pharming®

• From FY 2016 – FY 2020 Pharming Group reported earnings in EUR. Revenues during this time frame have been converted to USD. In 2021, Pharming Group began reporting earnings in USD.

• 4Q 2020 and 1Q 2021 quarterly fluctuations and volatility from COVID-19









#### www.pharming.com

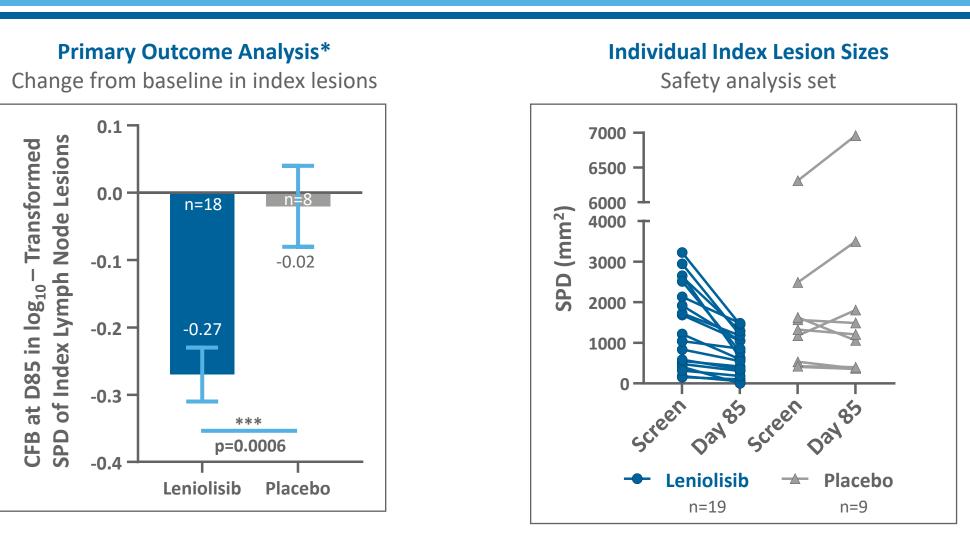
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Pharming Group N.V. Appendix

leniolisib clinical trial data



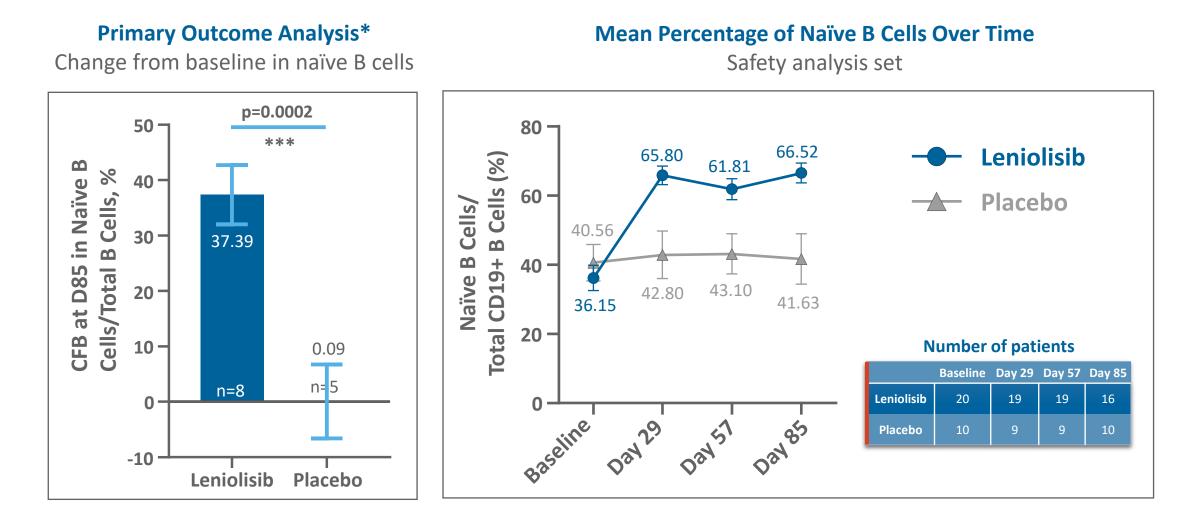


\*Data were analyzed using ANCOVA model with treatment as a fixed effect and log<sub>10</sub>-transformed baseline as a covariate. Use of glucocorticoids and IRT at baseline were both included as categorical (Yes/No) covariates. P-value is 2sided. Least square means are graphed. Error bars are standard error of the mean. 4 patients from the 31 in the safety analysis were excluded from the PD analysis. An additional patient was excluded from the index lesion analysis because the baseline lung index had fully resolved (0 mm) by D85.

CFB, change from baseline; D, day; PD, pharmacodynamics; SPD, sum of product of diameters; 3D, 3-dimensional. Data on file. Pharming Healthcare Inc. 2022.







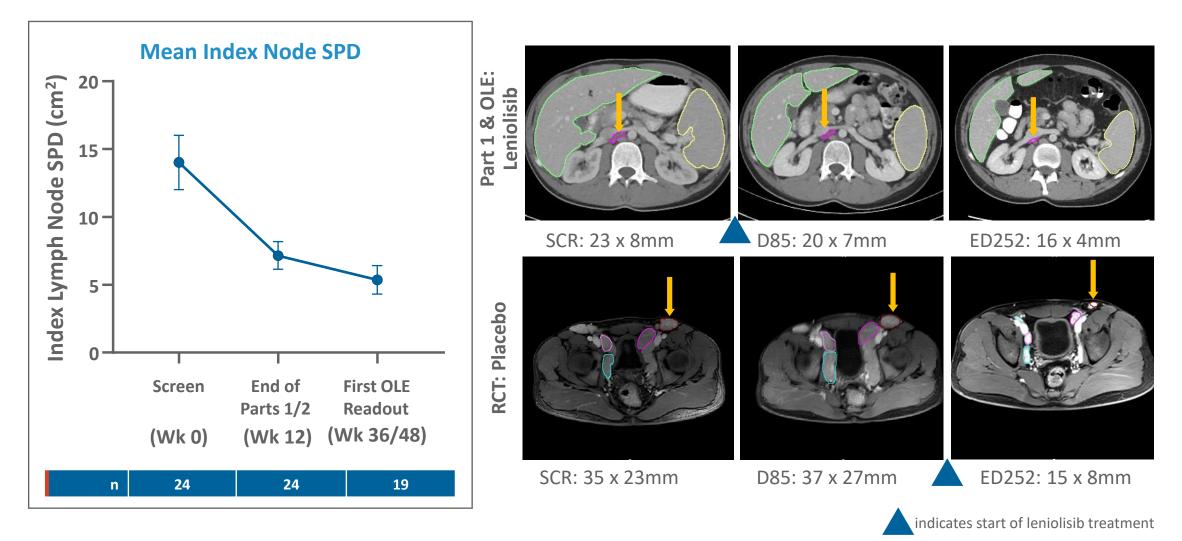
\*Data were analyzed using an ANCOVA model with treatment as a fixed effect and baseline as a covariate. Use of glucocorticoids and IRT at baseline were both included as categorical (Yes/No) covariates. *Baseline* is defined as the arithmetic mean of the baseline and Day 1 values when both are available, and if either baseline or the Day 1 value is missing, the existing value is used. P-value is 2-sided. Least square means are graphed. Error bars are standard error of the mean. Out of 27 patients in the PD analysis set, 13 patients met the analysis requirements, including having a percentage of <48% of naïve B cells at baseline, to form the B-PD analysis set.

Data on file. Pharming Healthcare Inc. 2022.



#### Leniolisib continued to reduce lymphadenopathy



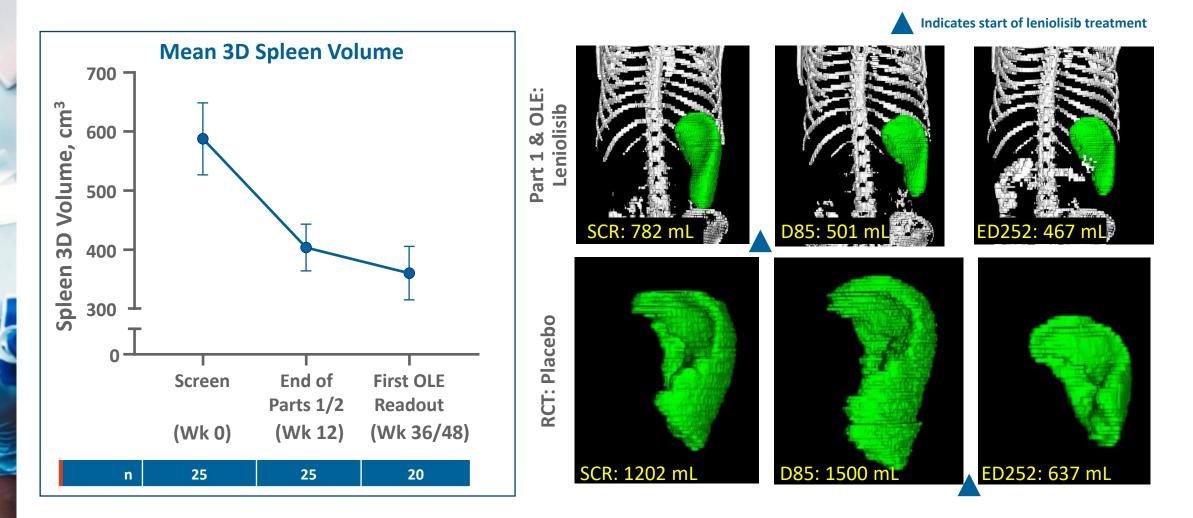


The mean index node graph has been corrected since the original ESID presentation.

Error bars are standard error of the mean. All patients from RCT Parts 1 and 2 with measurements are included. End of Parts 1 and 2 occurred at day 85. First OLE readout occurred after an additional 168 or 252 days. D, day; OLE, open-label extension; RCT, randomized controlled trial; SCR, screen; SPD, sum of product diameters; Wk, week. Data on file. Pharming Healthcare Inc. 2022.

#### **Extension study: continued improvement in spleen size**

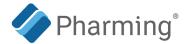


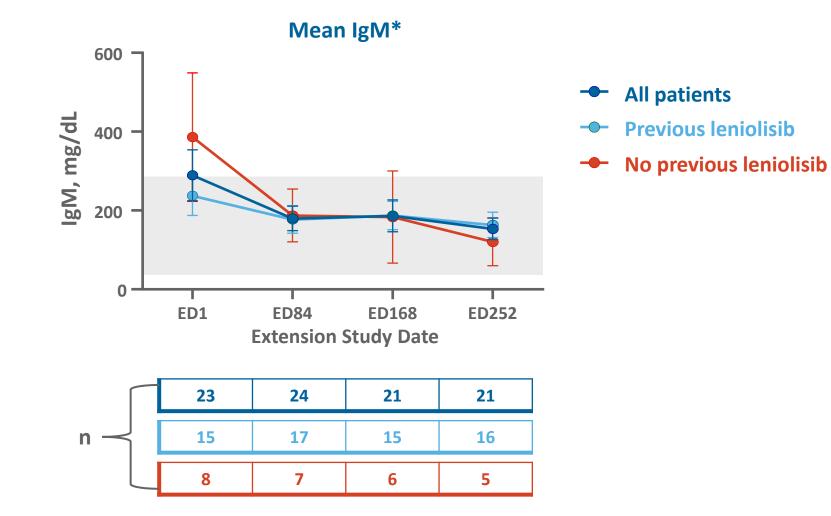


Error bars are standard error of the mean. All patients from parts 1 and 2 of the phase II/III trials with leniolisib exposure and with measurements are included. End of parts 1 and 2 occurred at days 84 and 85, respectively. First OLE readout occurred after an additional 168 or 252 days. Data on file. Pharming Healthcare Inc. 2022.



#### **Extension study: continued reduction in IgM levels**





\*Excluded 1 patient due to extremely low B-cell count.

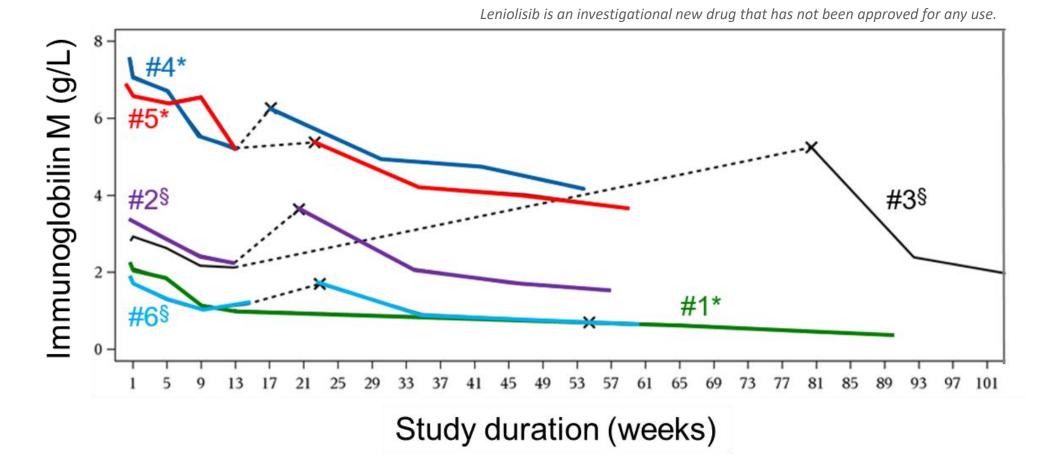
Previous Leniolisib includes patients who received leniolisib during the dose-finding trial and RCT. No Previous Leniolisib includes patients who received placebo during the RCT and patients who were enrolled in other PI3Kδ inhibitor trials. Error bars are standard error of the mean. The gray box indicates the normal range.



Data on file. Pharming Healthcare Inc. 2022.

#### Long term leniolisib results (N=6)





Patients have stopped (\*) or decreased (§) immunoglobulin supplementation as a reflection of the normalization of their B cell function. Dashed lines indicate patient not on treatment

