FURVENT: Global, Phase 3 Trial Testing Firmonertinib (Furmonertinib) versus Chemotherapy as First-Line Treatment for Advanced NSCLC with EGFR Exon 20 Insertion Mutations

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Statistical Methods Background **FURVENT Trial Design** Firmonertinib (INN pending; previously known as furmonertinib) is an oral, highly brain penetrant, broadly The primary efficacy is PFS comparing the 2 active, selective, epidermal growth factor receptor (EGFR) inhibitor engineered for broad activity and treatment arms with the control chemotherapy arm. Firmonertinib 240 mg QD Figure 2: selectivity across EGFR mutations (mts)^a. Patients with A stratified log-rank test will be performed for the Firmonertinib has been granted U.S. FDA Breakthrough Therapy Designation for the treatment of patients primary comparison of PFS. previously untreated. with previously untreated, locally advanced or metastatic non-squamous non-small cell lung cancer Randomized Firmonertinib 160 mg QD locally advanced or (NSCLC) with EGFR exon 20 insertion (ex20ins) mts. OS will be analyzed similarly to the PFS endpoint. 1:1:1 metastatic NSCI C EGFR ex20ins mutations occur in approximately 2% of NSCLC and overall account for approximately 9% with EGFR ex20ins of all the EGFR mts in NSCLC^b. Current first-line (1L) standard of care (SOC) for NSCLC patients with this Platinum + Pemetrexed mutations (N = 375)Accrual mutation is platinum-based chemotherapy^c. Chemotherapy Additional presentations on pre-clinical data for firmonertinib activity in the uncommon EGFR mts Global enrollment in this study is ongoing. (Abstract 1964, Poster Session Section 25, Monday Apr 8th, 9:00AM- 12:30PM) and a Phase lb **Trial Design Key Endpoints Resources and Contact** evaluating firmonertinib in activating EGFR or HER2 mts (FURTHER, FURMO-002, Poster Section 50, Monday Apr 8 1:30 PM - 5:00 PM, CT152) will be presented at AACR 2024 (see Resources and Contact). · A global study to investigate the efficacy and safety of Primary Endpoint FURVENT: NCT05607550 In the ongoing phase 1b study (FAVOUR study), firmonertinib showed promising efficacy in both treatment firmonertinib compared to platinum-based chemotherapy as The primary endpoint is progression-free **2**% www.clinicaltrials.gov/study/NCT05607550 naïve and previously treated patients with NSCLC harboring EGFR ex20ins mts. first-line treatment for patients with locally advanced or survival (PFS) comparing the treatment In treatment naïve (first-line treatment) patients, the confirmed Objective Response Rate (ORR) was 78.6% with a Firmonertinib (Furmonertinib) is a brain-penetrant metastatic NSCLC with EGFR ex20ins mutations (Figure 2). arms (firmonertinib 160 mg or 240 mg vs preliminary median Duration of Response (DoR) of 15.2 months (Table 1). EGFR TKI highly active in uncommon EGFR <u>o sko</u> chemotherapy) based on blinded Responses were consistent across near-loop, far-loop and helical ex20ins mutations (Figure 1). mutations, including PACC and exon 20 insertions 效和 Enrollment of 375 patients is planned and randomized 1:1:1 independent central review (BICR) Firmonertinib showed a well-tolerated safety profile with the most observed treatment-related adverse event (TRAE) at (Abstract 1964, Poster Session Section 25, Monday assessment by RECIST v1.1 to receive firmonertinib 160 mg, firmonertinib 240 mg, or 240mg dose being low-grade diarrhead. Apr 8th, 9:00AM- 12:30PM) platinum-based chemotherapy (cisplatin or carboplatin plus Treatment Naïve 240mg Previously Treated 240mg Previously Treated 160mg pemetrexed for 4 cycles followed by pemetrexed Secondary Endpoints FURTHER: NCT05364043 Table 1. Efficacy by IRC N=28 N= 26 N= 26 www.clinicaltrials.gov/ct2/show/NCT05364073 舞船 maintenance therapy). Overall survival (OS), Investigator assessed PFS. Objective response rate Confirmed ORR, % (95% CI) 46.2% (26.6%, 66.6%) 78.6% (59.0%, 91.7%) 38.5% (20.2%, 59.4%) For any additional questions: Patients from the platinum-based chemotherapy arm with (ORR), Duration of response (DOR) furmo@arrivent.com disease progression following chemotherapy are eligible to DoR, median (months) (95% CI) 15.2 (8.7, 24.8) 13.1 (5.6, 13.8) 9.7 (5.6, NA) participate in the crossover phase to firmonertinib therapy. CNS-ORR, CNS DOR, CNS PFS References Disease Control Rate (DCR) 100.0% (87.7%, 100.0%) 92.3% (74.9%, 99.1%) 84.6% (65.1%, 95.6%) (CR+PR+SD) (95% CI) Musib L. Kowanetz M. Li Q. Luo H. Hu J. Lutzker S. Pp01, 11 **Key Inclusion Criteria Key Exclusion Criteria** furmonertinib is an oral, irreversible, highly brain-penetrant pan-egfr Analysis is based on EGFR exon 20ins patients who had measurable disease at baseline by Independent Review Charter (IRC), had ≥ 2 tumor inhibitor with activity against classical and atypical enfr mutations assessments, had progression of disease (PD)/death, or discontinued from treatment Locally advanced or metastatic non-squamous NSCLC not Severe acute or chronic infections Journal of Thoracic Oncology. 2023;18(3):e14-e15. Robichaux JP, Le X, Vijayan RSK, et al. Structure-based classification amenable to curative surgery or radiotherapy Figure 1. Depth of Response by Cohort and EGFR ex20ins Mutation Type predicts drug response in EGFR-mutant NSCLC. Nature. 2021-597(7878)-732-737 Documented EGFR ex20ins mutation detected in tumor tissue or Previous interstitial lung disease (ILD) including drug-induced Treatment Naive 240 mg QD Previously Treated 240 mg QD Previously Treated 160 mg QD Ettinger DS, Wood DE, Aisner DL, et al. Non-small cell lung cancer, blood from local or central testing ILD or active ILD/radiation pneumonitis version 3, 2022, NCCN clinical practice guidelines in oncology, J Nati Compr Canc Netw. 2022;20(5);497-530. Patients with a history of treated CNS metastases or new Mean resting QTcF > 470 msec Han et al, FAVOUR: A phase 1b study of furmonertinib, an oral, brain penetrant, selective EGFR inhibitor, in patients with advanced NSCLC Confirmed Best Overall Res asymptomatic CNS metastases may be eligible ----- Partial Response with EGER Exon 20 insertions WCI C 2023 Stable Disease Progressive Disease Not Evaluable Patients with prior neo-adjuvant and/or adjuvant chemotherapy. Patients with chronic diarrhea, short bowel syndrome or Acknowledgement immunotherapy, or chemo radiotherapy for non-metastatic significant upper GI surgery including gastric resection, a history EGFR Exon 20 Insertion Subtyp disease must have experienced a treatment free interval of at of inflammatory bowel disease, or any active bowel inflammation Helical Mutations least 12 months Near Loop Mutation: We thank the patients, their families/caregivers, and Far Loop Mutations investigators and site staff teams who are making this trial Exon20Ins Type Unkn No prior systemic anticancer therapy for locally advanced or History of other malignancy within 3 years prior to screening, with possible the exception of patients with a negligible risk of metastases or metastatic NSCLC including prior treatment with any EGFR TKIs FURVENT study is funded by ArriVent Biopharma, Inc. and death and/or treated with expected curative outcome Shanghai Allist Pharmaceuticals Inc.

Waterfall plot was based on patients with at least one tumor assessment post baseline; Near-loop region: A767-P772; far-loop region: H773-C775; Helical region: E762-M766



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