



**KYMERA 10**  
EST. 2016



# Revolutionizing Immunology with Oral Medicines

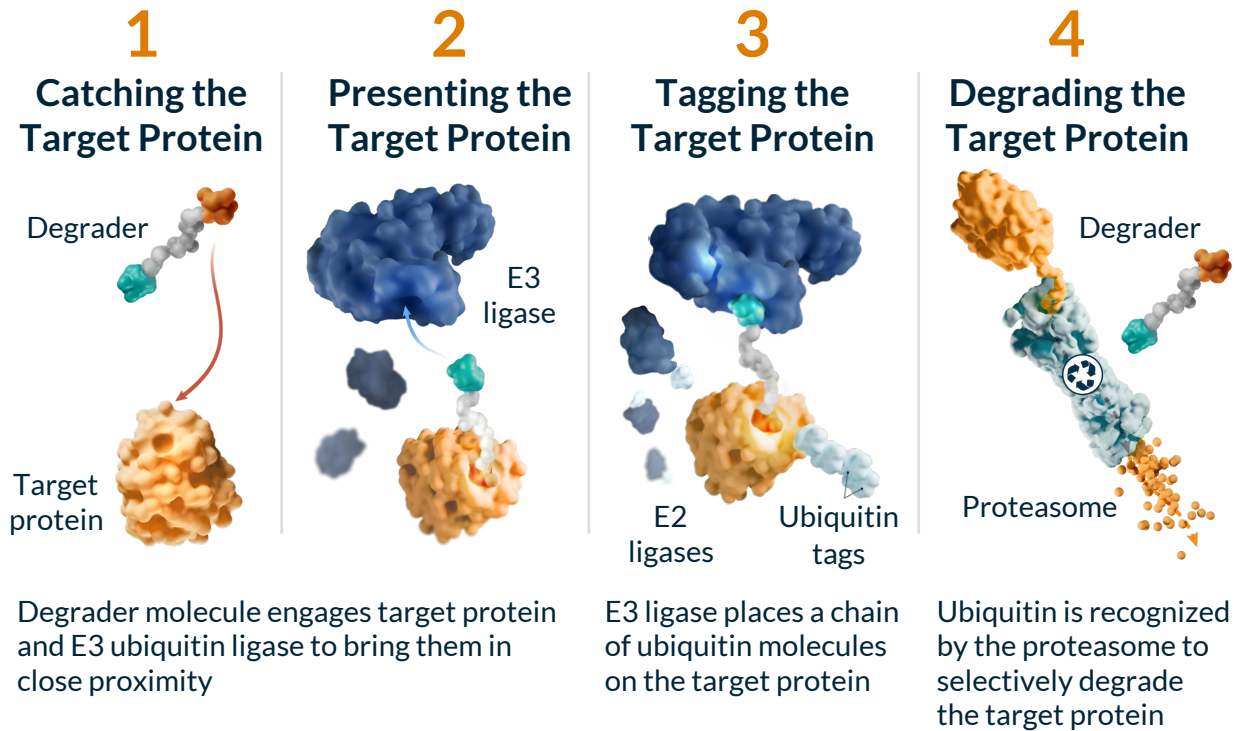
---

Michael Feldman, MD, PhD  
Executive Medical Director  
Kymera Therapeutics

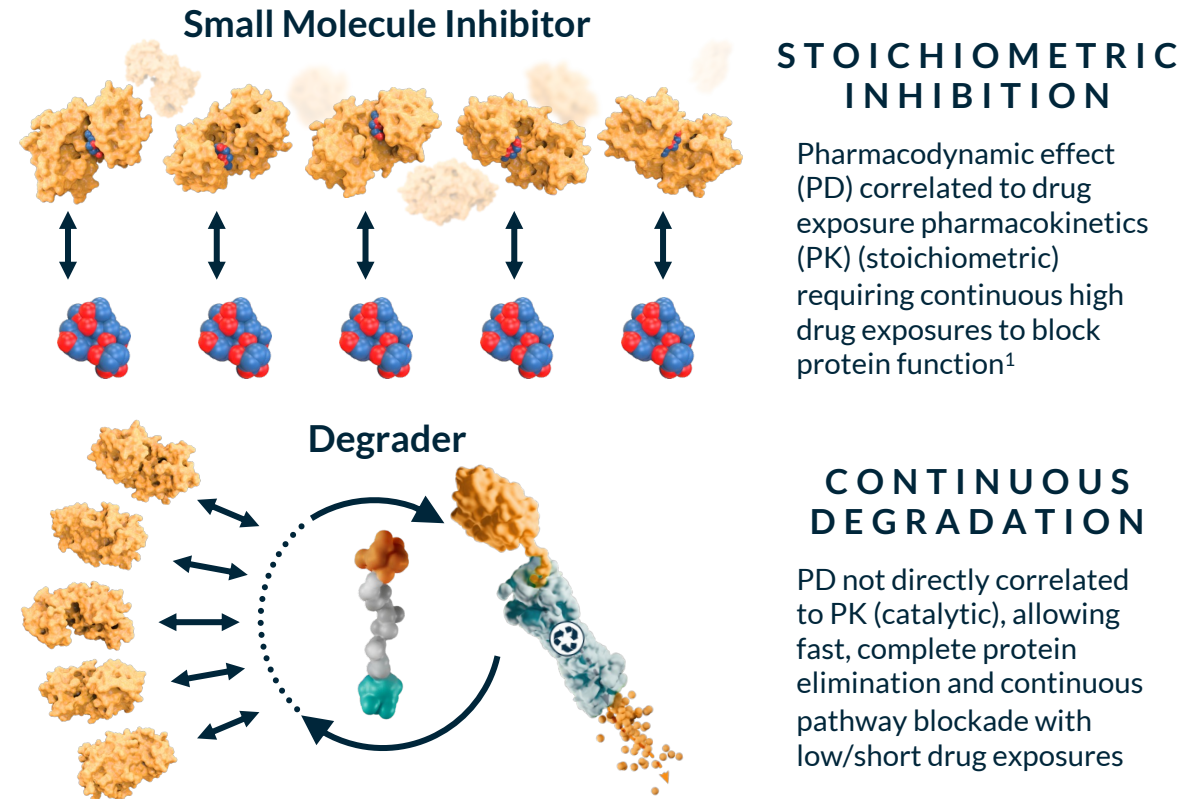
ATS Annual Meeting, Respiratory Innovation Summit | May 2026

# Targeted Protein Degradation: Achieving Biologics-like Activity with Oral Medicines

## Targeted Protein Degradation (TPD) Mechanism of Action Harnessing the E3 Ubiquitin Proteasome System



## Degraders Enable Continuous, Complete Pathway Blockade Superior to Traditional Small Molecule Inhibitors

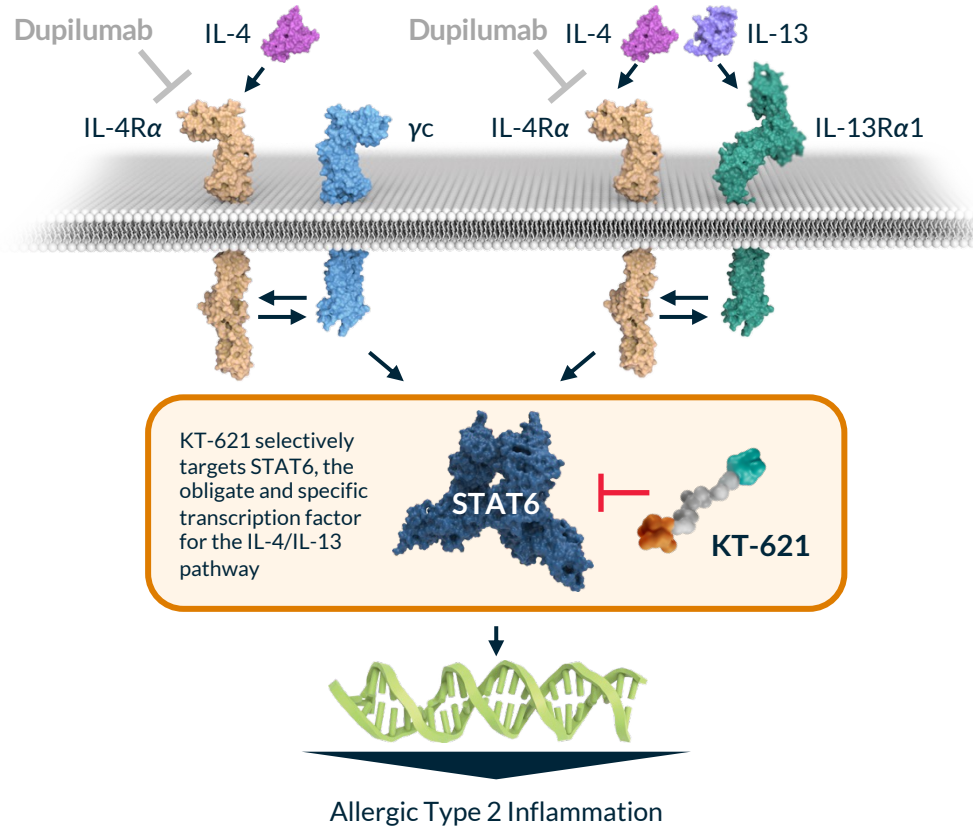


Catalytic activity of degraders enables a single molecule to drive degradation of multiple copies of the target protein, delivering deep and continuous pathway blockade with biologics-like activity in a pill

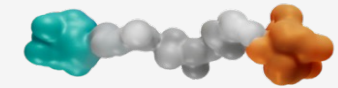
# STAT6: Highly Validated, Historically Undrugged Target for the Treatment of Type 2 Inflammatory Diseases

## STAT6 TRANSCRIPTION FACTOR

- STAT6 is the specific transcription factor in the IL-4/IL-13 pathway<sup>1-3</sup>
- IL-4/IL-13 is clinically validated by dupilumab across multiple Type 2 diseases<sup>4</sup>
- STAT6 is genetically validated by human GoF and heterozygous LoF alleles, and mouse knockout phenotype<sup>1,5</sup>
- There are no known approved drugs that selectively target this pathway with oral delivery<sup>4</sup>



## KT-621 FIRST-IN-CLASS ORAL STAT6 DEGRADER<sup>6</sup>



- Provides complete STAT6 degradation selectivity in human PBMC proteome at 100 x DC<sub>90</sub> and picomolar potency across all disease-relevant cell types
- Fully blocks IL-4/IL-13 pathway in human Type 2 functional assays and in vivo models
- Phase 1 healthy volunteer trial demonstrated deep STAT6 degradation in blood and skin following low daily oral doses, reductions of multiple disease relevant Type 2 biomarkers, and a safety profile undifferentiated from placebo

1. Kaplan MH, et al. *Immunity*. 1996;4:313-319; 2. Takeda K, et al. *J Immunol*. 1996;157(8):3220-3222; 3. Junttila IS. *Front Immunol*. 2018;9:888; 4. Kolkhir P, et al. *Nat Rev Drug Discov*. 2023;22(9):743-767; 5. Sharma M, et al. *J Exp Med*. 2023;220(5):e20221755; 6. Shabbir A, et al. European Academy of Dermatology and Venereology Congress; Sept 17–20, 2025; Paris, France; γc, gamma chain; GoF, gain of function; IL, interleukin; LoF, loss of function; PBMC, peripheral blood mononuclear cells; STAT6, signal transducer and activator of transcription 6.

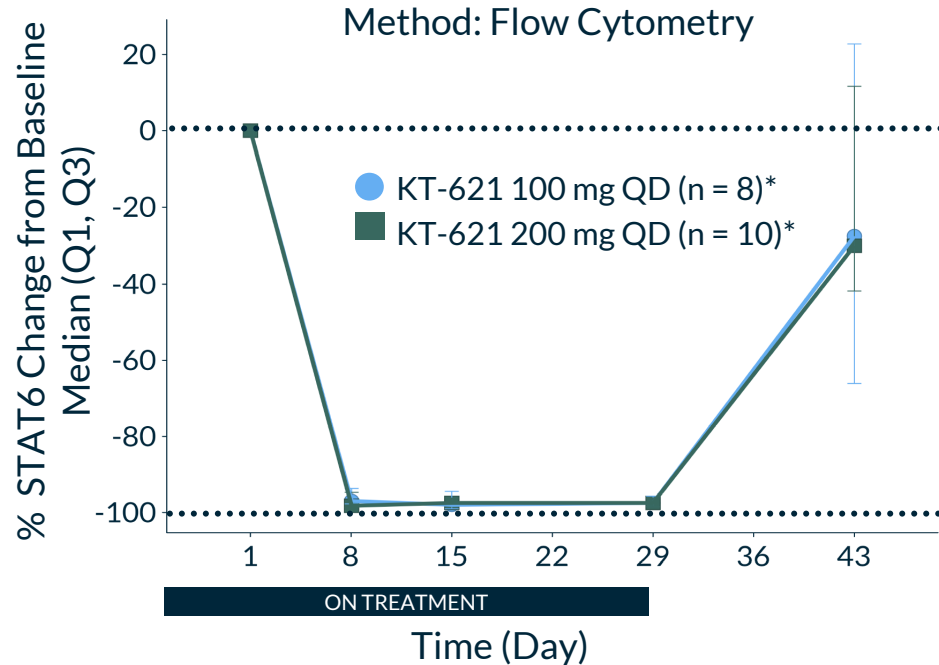
# KT-621 Achieved Deep STAT6 Degradation in Blood and Skin

## Degradation Maintained for 28 Days Across Both Dose Cohorts

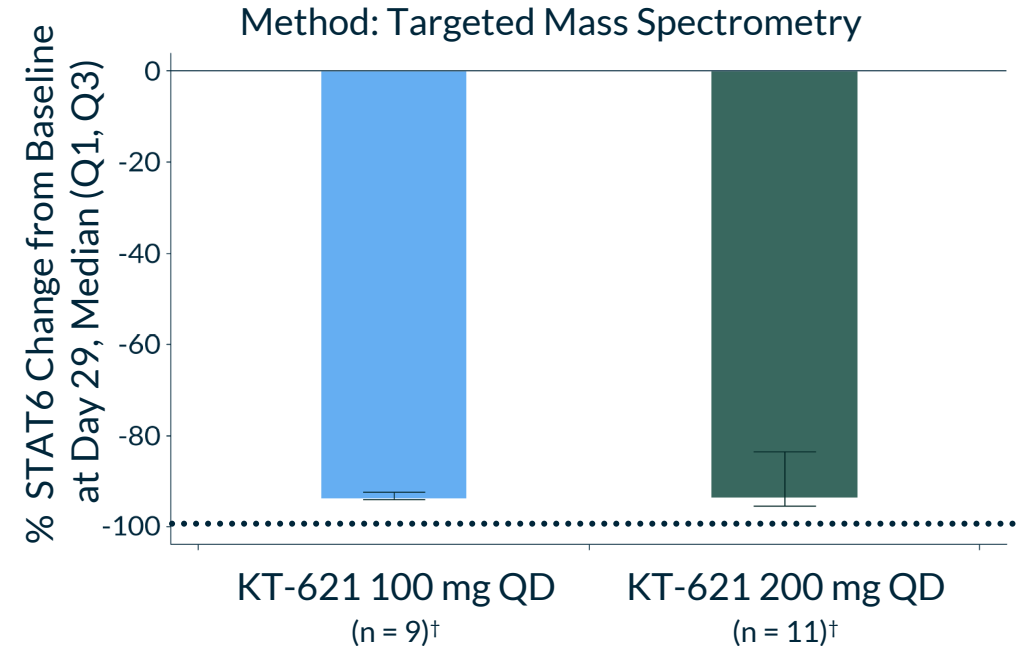


- **KT-621 Phase 1b AD Study:** Open-label, multicenter, single-arm study to evaluate the safety, tolerability, PK, PD, and clinical activity of oral KT-621 in adults with moderate-to-severe AD
- **Two sequential dose cohorts:** 100 mg (10 patients), 200 mg (12 patients)

### Median STAT6 Degradation in Blood

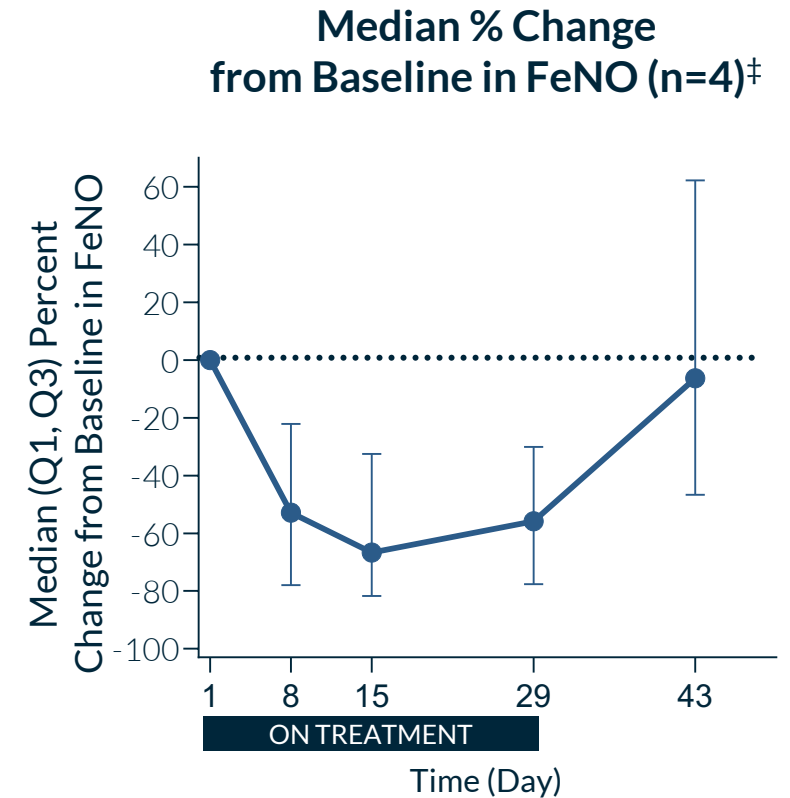
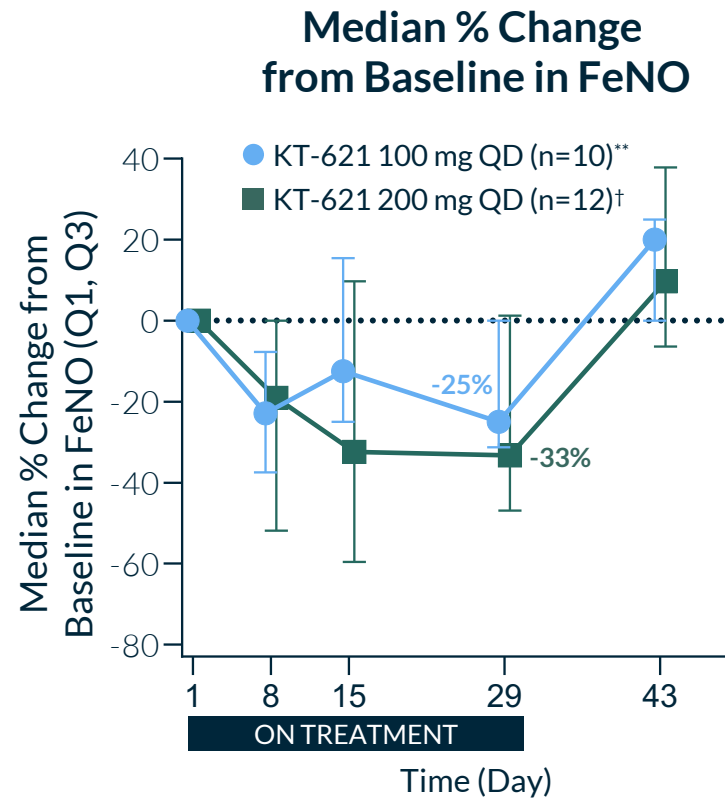
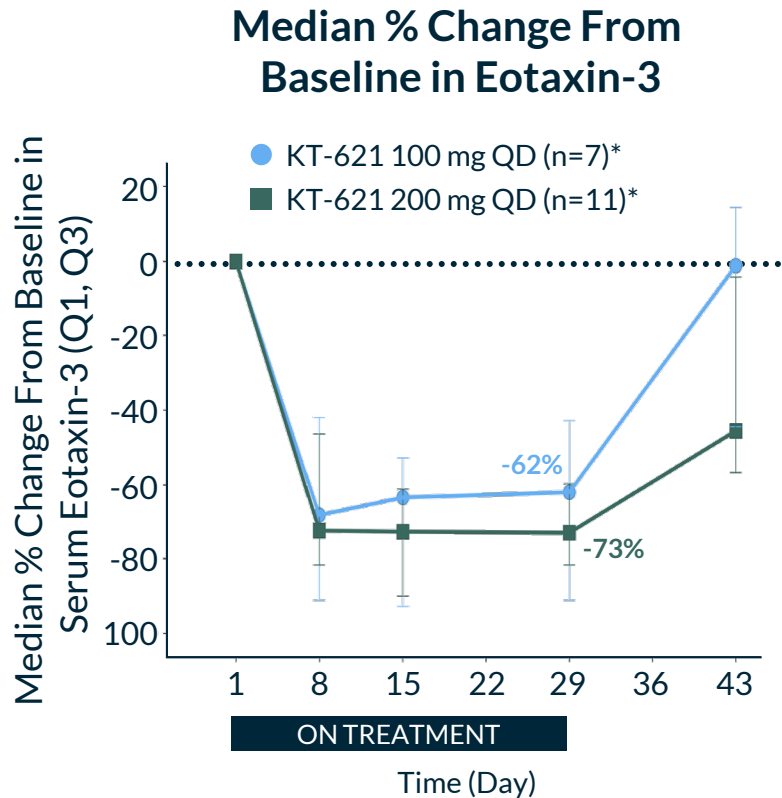


### Median STAT6 Degradation in Skin



- Median STAT6 degradation of 98% in blood in both dose groups maintained throughout the treatment period
- Deep skin degradation of 94% in both dose groups with multiple patients' STAT6 levels below the LLOQ

# KT-621 Achieved Robust Reductions in Type 2 Inflammatory Biomarkers in Blood and Lungs (FeNO)



- Rapid and robust median serum Eotaxin-3 reduction across both dose groups
- In AD patients, KT-621 achieved up to 33% median reduction in FeNO; first known demonstration of FeNO reduction in AD patients
- In AD patients with comorbid asthma, KT-621 achieved 56% median FeNO reduction at Day 29, exceeding dupilumab (31%) in asthma studies at week 4<sup>1</sup>

N values reflect the number of participants with available samples at Day 29; \*Four patients had baseline levels below the lower limit of quantification (LLOQ) of assay, hence change could not be calculated at D29; \*\*Median FeNO baseline for 100 mg = 13 ppb, one patient missed the D29 visit, n=9 at D29; †Median FeNO baseline for 200 mg = 20 ppb; ‡Mean baseline FeNO of 49 ppb; 1. Pavord et al. JACI. 2024; AD, atopic dermatitis; FeNO, fractional exhaled nitric oxide; QD, once daily; STAT6, signal transducer and activator of transcription 6.

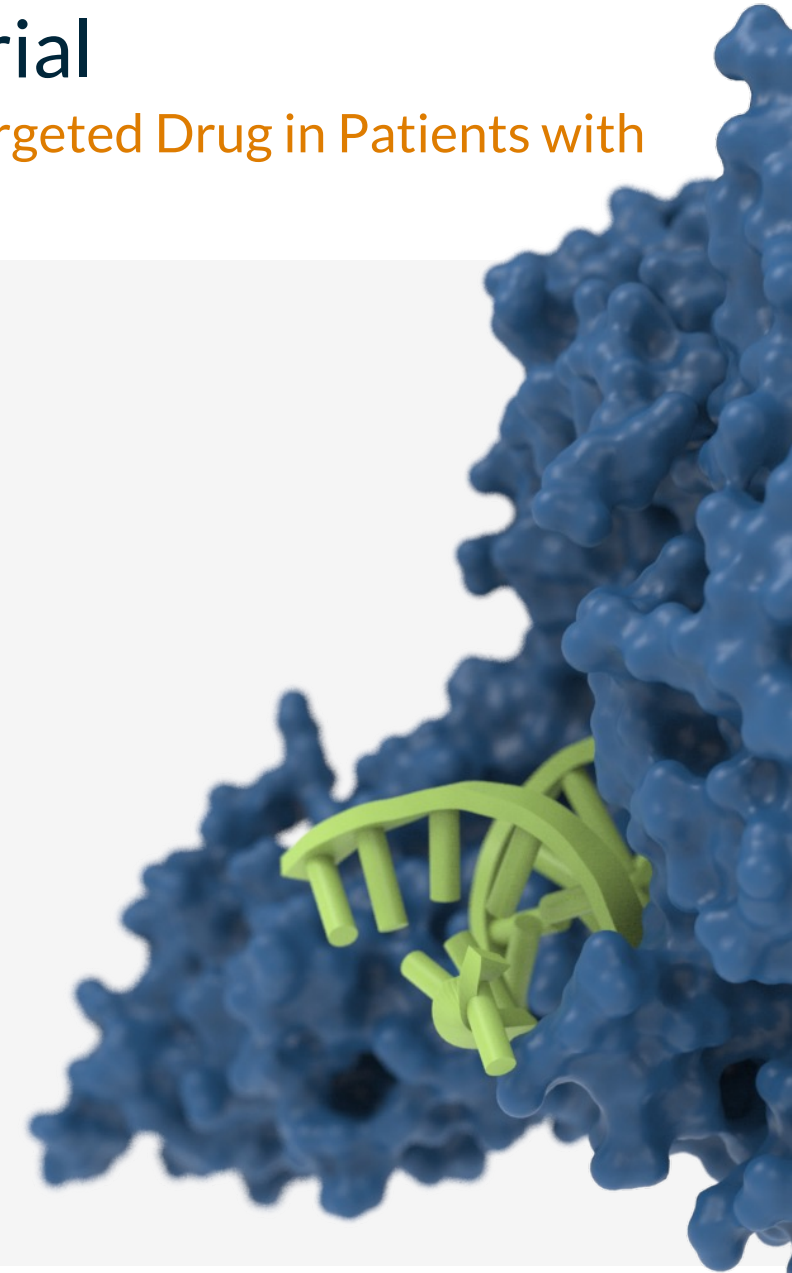
# KT-621 Phase 1b Safety Summary

- Well-tolerated with favorable safety at both 100 mg and 200 mg
- No SAEs or Severe AEs
- No dose-dependent pattern in the TEAEs
- No related TEAEs or TEAEs leading to discontinuation
- No AEs of conjunctivitis (or of any ocular disorder), herpes infections, or arthralgias
- No clinically relevant changes in vital signs, laboratory tests or ECGs

# KT-621 Phase 1b BroADen Atopic Dermatitis Trial

First Evidence Demonstrating Clinical Activity and Safety of a STAT6-targeted Drug in Patients with Atopic Dermatitis

- Deep STAT6 degradation in blood and lesional skin
- Robust suppression of Type 2 inflammation
- Robust impact on AD clinical endpoints
- Early evidence of activity in asthma based on improvement in biomarkers and patient-reported outcome in AD patients with comorbid asthma
- Favorable safety profile and tolerability at both 100 mg and 200 mg doses



# KT-621: BREADTH Phase 2b Trial

Randomized, Double Blind, Placebo-controlled, Parallel-group, Multicenter Dose-ranging

## BREADTH TRIAL

**Adult, Moderate to Severe Eosinophilic Asthma Patients**

**Baseline entry criteria:**

Blood eosinophils  $\geq 300$  cells/uL

FeNO  $\geq 25$  ppb

Pre-bronchodilator FEV1 40-80% of predicted normal

### Design

- Randomized, double-blind, placebo-controlled
- ~264 patients
- Daily dose for 12-weeks

### Dosing

- Three KT-621 doses + one placebo (1:1:1:1)

### Endpoints

- Primary endpoint: Change from baseline in pre-bronchodilator FEV1 at week 12
- Secondary endpoints include:
  - Change from baseline in ACQ-5, AQLQ

## Key Trial Aim

Establish clinical activity and safety in asthma to select **Phase 3 dose to support registrational studies** in multiple respiratory indications

Status update:

**Ongoing;**

**Data expected late 2027**

A 3D molecular model of a protein-ligand complex. The protein is shown as a blue, textured surface. A yellow and orange ligand is bound to the protein, with a green and yellow structure above it. The background is white.

# Thank You

For more information, please visit our  
Booth #2501 or [www.kymeratx.com](http://www.kymeratx.com)

ATS Annual Meeting | May 2026