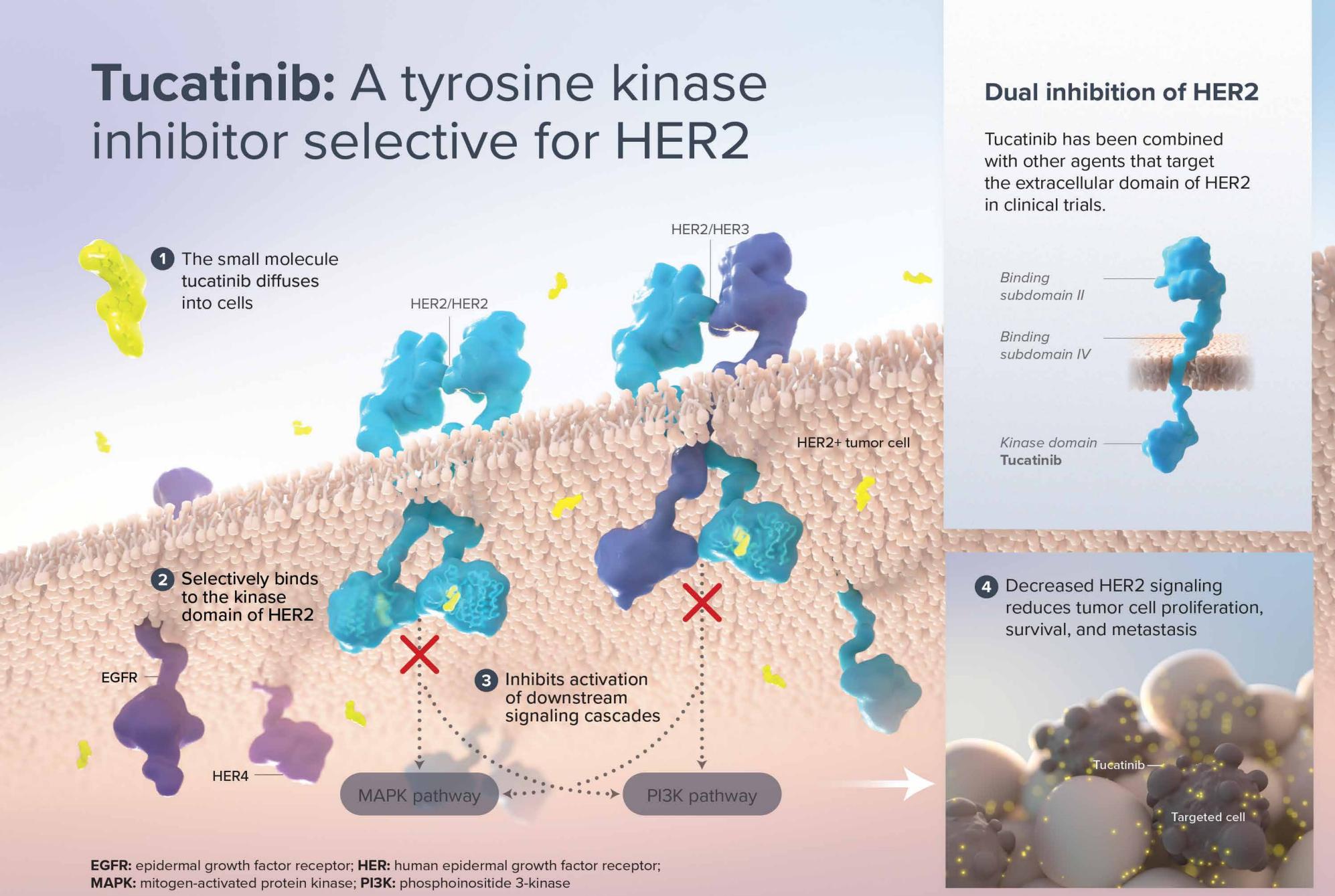
SGNTUC-019: Phase 2 Basket Study of Tucatinib and Trastuzumab in Previously Treated Solid Tumors With HER2 Alterations: Urothelial Cancer Cohort (Trial in Progress)

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Background

- Tucatinib (TUC), approved in multiple regions for HER2+ metastatic breast cancer, is a highly selective HER2-directed tyrosine kinase inhibitor with minimal EGFR inhibition
- TUC is being investigated as a novel therapy for patients with metastatic colorectal cancer, gastric cancer, and other solid tumors
- Despite development of several new therapies for metastatic urothelial cancer (UC), most patients are refractory to subsequent therapies and die from the disease, highlighting the need for additional therapeutic approaches
- Given that 20%–30% of metastatic urothelial cancers have molecular alterations of the ErbB family,¹ further evaluation of HER2-directed therapy is warranted
- The SGNTUC-019 basket study (NCT04579380) is evaluating TUC in combination with trastuzumab in patients with HER2+ or HER2-mutated solid tumors, including a cohort of patients with locally advanced unresectable or metastatic UC

Tucatinib Proposed Mechanism of Action



Tucatinib is an investigation agent, and its safety and efficacy have not been established. There is no guarantee that tucatinib will receive regulatory approval and become commercially available for uses being investigated © 2023 Seagen Inc., Bothell WA 98021. All rights reserved. USM/TUC/2019/0018

Study Design

UC Cohort

• The HER2+ UC cohort (Cohort 4) plans to enroll 12 response-evaluable patients • If ≥ 2 responses are observed, the cohort will be expanded to a total of 30 patients

Reference

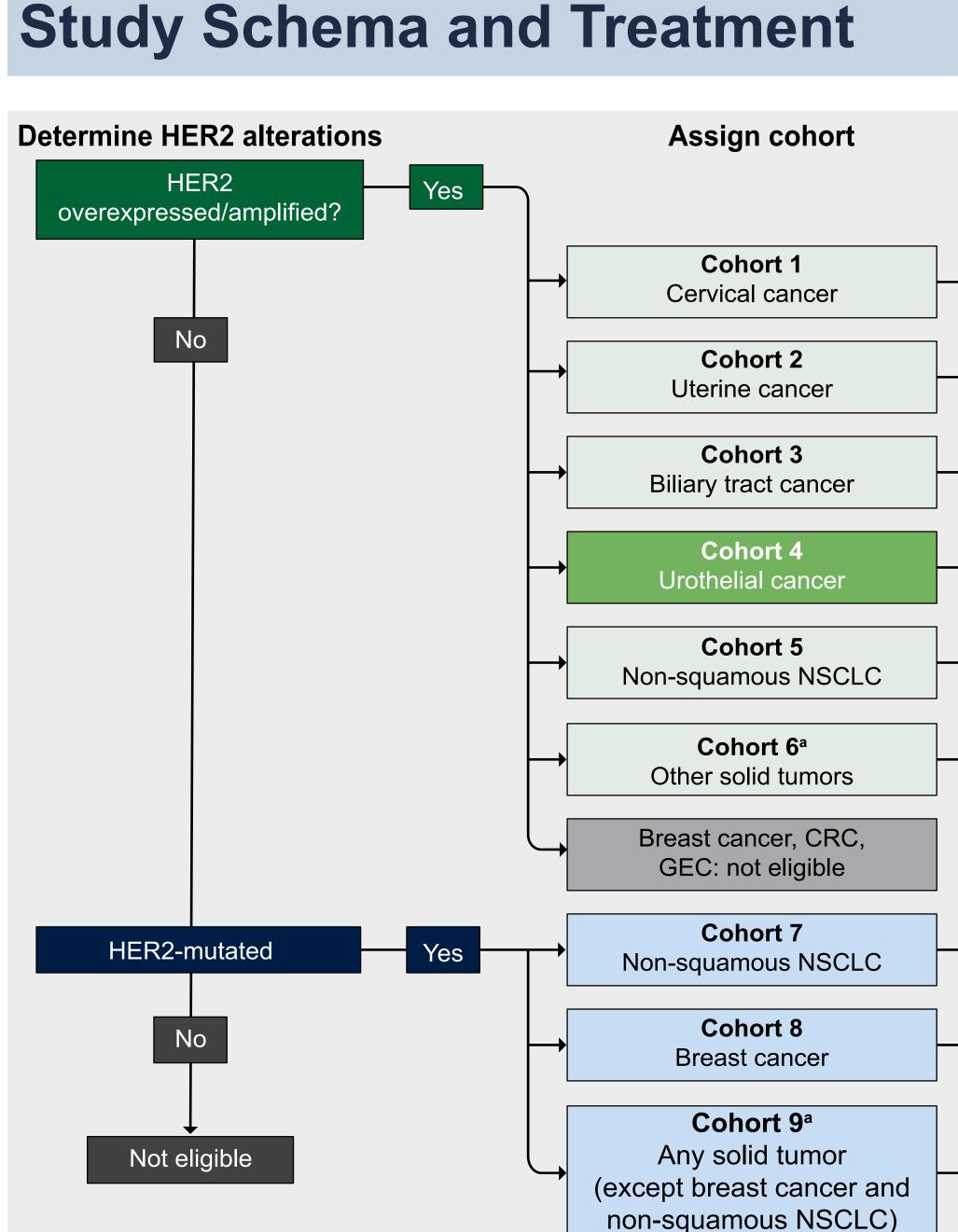
1. Koshkin VS et al. Bladder Cancer. 2019;5(1):1-12.



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If a sufficient number of patients with a particular tumor type is enrolled in Cohorts 6 or 9, the sponsor may evaluate that tumor type in a separate, optional cohort.

Study Treatment

Cycle 1 Day 1 then 6 mg/kg every 21-day cycle

	Cycle 1 D1	D8
Tucatinib 300 mg PO BID		

Trastuzumab IV

8 mg/kg

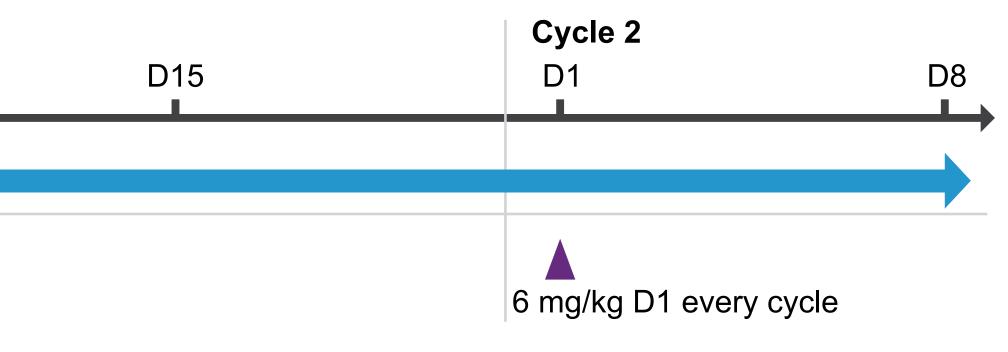
Objectives

Primary Objective	Endpoints
To evaluate the antitumor activity of TUC in combination with trastuzumab	Primary e Confirmed assessme Secondar DCR, DOF
Secondary Objectives	Endpoints
To evaluate the safety and tolerability of TUC in combination with trastuzumab	 Incident Incident Frequer Other re
To evaluate the PK of TUC	Plasma co
Exploratory Objectives	Endpoints
To determine concordance of HER2 alterations by tissue and blood assays	Concordar methodolo
To identify somatic alterations that are associated with resistance to TUC	Identify tur to TUC
To evaluate PROs	Change fro

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Stage 1 treatment		ge 1 treatment	Stage 2 treatment
	Enroll 12 response-evaluable patients in Cohorts 1–5 and 7		Enroll a total of 30 response-evaluable patients in each cohort
		≥2 confirmed responses in cohort?]
		≥2 confirmed responses in cohort?]
		≥2 confirmed responses in cohort?]
		≥2 confirmed responses in cohort?	
		≥2 confirmed responses in cohort?]
		≥2 confirmed]
		responses in cohort?	

Patients will receive TUC 300 mg twice a day orally and trastuzumab 8 mg/kg intravenously on



endpoint

- d ORR according to RECIST v1.1 per investigator
- y endpoints:
- R, and PFS per investigator assessment and OS
- nce, severity, and relatedness of AEs and SAEs nce and severity of laboratory abnormalities ncy of dose modifications due to AEs elevant safety variables including AESIs
- oncentrations of TUC

ance of HER2 alterations as detected by different testing ogies

umor-specific alterations that are associated with resistance

Eligibility

Key Inclusion Criteria

- Histologically or cytologically confirmed, HER2+, locally-advanced unresectable or metastatic disease, including primary brain tumors
- HER2 overexpression/amplification demonstrated by • *HER2* overexpression (immunohistochemistry 3+) • *HER2* amplification in tumor tissue by pre-study in-situ hybridization (signal ratio ≥ 2.0 or gene copy number ≥ 6)
- HER2 amplification in a pre-study or on-study next generation sequencing (NGS) assay of circulating tumor DNA or pre-study tissue NGS assay
- Patients with brain metastases may be eligible
- Measurable disease per RECIST v1.1 according to investigator assessment
- ECOG performance status 0 or 1
- ≥18 years of age
- Adequate hepatic, renal, and hematological functions, and LVEF ≥50%
- Patients in the urothelial cohort must have progressed during or after ≥ 1 prior line of systemic therapy for locally-advanced unresectable or metastatic disease

Assessments

- Disease assessments per RECIST v1.1: q6 weeks for 24 weeks, then q12 weeks. For patients without disease progression at treatment discontinuation, assessments continue until disease progression, withdrawal of consent, death, loss to follow-up, or study closure
- Safety assessments: AEs, SAEs, AESIs, treatment modifications, laboratory assessments (metabolic panel, CBC with differential, and eGFR), vital signs, LVEF every 12 weeks, and ECG at baseline and EOT An SMC will monitor safety at regular intervals
- PK assessments in all patients: Trough TUC concentrations on Cycles 2–6 Day 1 and peak concentrations on Cycle 3 Day 1
- assays

Summary

- enrolling in all regions

Abbreviations

AE: adverse event; AESI: AE of special interest; BID: twice daily; CBC: complete blood count; CR: complete response; CRC: colorectal cancer; ctDNA: circulating DNA; D: day; DCR: disease control rate (CR or PR or stable disease as best objective response); DOR: duration of response; ECG: electrocardiogram; ECOG: Eastern Cooperative Oncology Group; EGFR: epidermal growth factor receptor; eGFR: estimated glomerular filtration rate; EOT: end of treatment; EQ-5D-5L: European Quality of Life 5-Dimension 5-Level; ErbB: erythroblastic leukemia viral oncogene homolog; GEC: gastric or gastroesophageal junction adenocarcinoma; HBV: hepatitis B virus; HCV: hepatitis C virus; HER2: human epidermal growth factor receptor 2; HIV: human immunodeficiency virus; HR+: hormone receptor positive; HRQoL: health-related quality of life; IHC: immunohistochemistry; ISH: in situ hybridization; IV: intravenous; LVEF: left ventricular ejection fraction; NGS: next generation sequencing; NSCLC: non-small cell lung cancer; ORR: objective response rate (CR or PR); OS: overall survival; PFS: progression-free survival; PK: pharmacokinetics; PO: orally; PR: partial response; PRO: patient-reported outcome; q: every; RECIST: Response Evaluation Criteria in Solid Tumors; SAE: serious adverse event; SMC: safety monitoring committee; TUC: tucatinib; UC: urothelial cancer

Key Exclusion Criteria

- HER2+ breast cancer. colorectal cancer, or gastric or gastroesophageal junction adenocarcinoma
- Previous HER2-directed therapy
- Patients with uterine serous carcinoma or HER2-mutated gastric or gastroesophageal junction adenocarcinoma without HER2-overexpression/ amplification may have received prior trastuzumab
- Active central nervous system lesions >2 cm, unless approved by the medical monitor
- Myocardial infarction or unstable angina within 6 months or clinically significant cardiopulmonary disease
- Known active HBV, HCV, HIV infection or chronic liver disease

• Exploratory biomarker assessments: HER2 status by NGS of ctDNA and tissue IHC/ISH and NGS

• EQ-5D-5L questionnaires are administered every 2 cycles during study treatment

• SGNTUC-019 is a basket study investigating TUC in combination with trastuzumab in previously treated patients with HER2+ or HER2-mutated solid tumors, including patients with locally-advanced, unresectable or metastatic UC

• Approximately 75 sites are planned for the US, Asia Pacific, and Europe. The study is open and