

# PHASE 1 STUDY OF SGN-PDL1V, A NOVEL, INVESTIGATIONAL VEDOTIN ANTIBODY-DRUG CONJUGATE DIRECTED TO PD-L1, IN PATIENTS WITH ADVANCED SOLID TUMORS (SGNPDL1V-001, TRIAL IN PROGRESS)

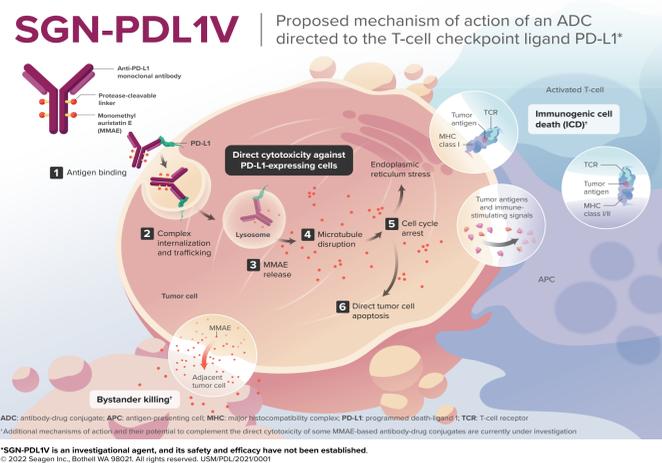
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## BACKGROUND

- Expression of programmed cell death ligand 1 (PD-L1), a cell-surface protein, is elevated across a broad spectrum of solid tumor types relative to normal tissue, and high expression of PD-L1 is associated with poor prognoses across several solid tumors<sup>1,2</sup>
- PD-L1 is involved in the PD-1/PD-L1 immune checkpoint, which inhibits T-cell activation. Inhibition of the PD-1/PD-L1 signaling axis can play a role in restoring antitumor immunity<sup>1</sup>
- SGN-PDL1V is a novel, investigational antibody-drug conjugate comprised of a PD-L1-directed monoclonal antibody conjugated to monomethyl auristatin E (MMAE) via protease-cleavable linker
- Preclinical studies with SGN-PDL1V demonstrated antitumor activity in PD-L1-expressing tumor xenograft models<sup>3</sup>, thus providing rationale for this Phase 1 study
- SGNPDL1V-001 (NCT05208762) is a first-in-human study designed to evaluate the safety, tolerability, pharmacokinetics, and antitumor activity of SGN-PDL1V in patients with advanced solid tumors

## SGN-PDL1V PROPOSED MECHANISM OF ACTION



## ELIGIBILITY

### Key Inclusion Criteria

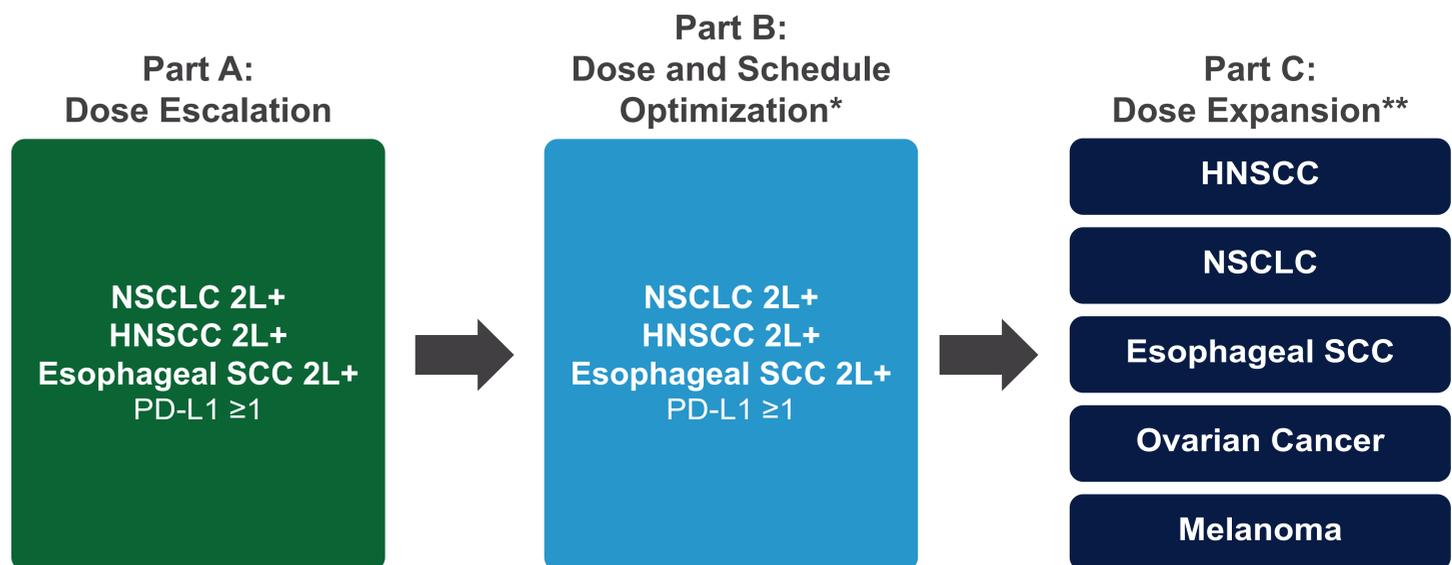
- Parts A and B
  - Pts must have one of the following histologically or cytologically-confirmed metastatic or unresectable solid tumor types: NSCLC, HNSCC, or esophageal SCC
  - Pts must have disease that is relapsed or refractory and no appropriate SoC option
- Part A
  - Requires PD-L1 expression  $\geq 1$  by TPS or CPS based on historical testing
- Part C
  - Dose expansion: Relapsed or refractory disease or intolerant to SoC therapies:
    - » HNSCC
    - » NSCLC
    - » Esophageal SCC
    - » Ovarian Cancer
    - » Melanoma
- Parts A, B, and C
  - $\geq 18$  years of age, ECOG PS of 0–1, and measurable disease per RECIST v1.1

### Key Exclusion Criteria

- Active CNS metastases unless previously treated and can provide evidence of the following:
  - Clinically stable for at least 4 weeks prior to study entry
  - No new or enlarging brain metastases
  - Off corticosteroids prescribed for minimum of 7 days before treatment
- History of other malignancies in the past 3 years or residual disease
- Prior treatment with an anti-PD-L1 agent within past 6 months
- Previous treatment with an MMAE-containing agent
- Pre-existing neuropathy  $\geq$  Grade 2 per NCI CTCAE v5.0
- Leptomeningeal disease

## STUDY DESIGN

PHASE 1 • OPEN-LABEL • MULTICENTER



\* If necessary. May examine alternative doses and schedules.

\*\* Signal seeking and Biology cohorts may be evaluated based on data from Parts A and B.

## STUDY TREATMENT

- **Part A (dose escalation)** will evaluate SGN-PDL1V at different doses and dose schedules. Alternative dosing schedule(s) may be evaluated in parallel
- **Part B (dose and schedule optimization)** will evaluate the recommended dose and schedule(s) for expansion, from Part A, in different tumor types
- **Part C (dose expansion)** may be activated, including signal seeking and biology cohort(s), after optimal dose and schedule is identified in Parts A or B

## OBJECTIVES

Primary Objective	Primary Endpoints
<ul style="list-style-type: none"> <li>• Evaluate the safety and tolerability</li> </ul>	<ul style="list-style-type: none"> <li>• Incidence, severity, and relatedness of AEs and SAEs</li> <li>• Incidence and severity of laboratory abnormalities</li> </ul>
<ul style="list-style-type: none"> <li>• Identify the MTD</li> </ul>	<ul style="list-style-type: none"> <li>• Incidence of DLTs</li> </ul>
<ul style="list-style-type: none"> <li>• Identify recommended dose and schedule</li> </ul>	<ul style="list-style-type: none"> <li>• Incidence of DLTs, cumulative safety by dose level</li> </ul>
Secondary Objectives	Secondary Endpoints
<ul style="list-style-type: none"> <li>• Assess antitumor activity</li> <li>• Assess the PK</li> <li>• Assess immunogenicity</li> </ul>	<ul style="list-style-type: none"> <li>• ORR per RECIST v1.1 by investigator assessment</li> <li>• DOR, PFS by investigator assessment, and OS</li> <li>• Estimate PK parameters (<math>AUC</math>, <math>C_{max}</math>, <math>T_{max}</math>, <math>t_{1/2}</math>, <math>C_{trough}</math>)</li> <li>• Incidence of ADAs</li> </ul>
Exploratory Objectives	Exploratory Endpoints
<ul style="list-style-type: none"> <li>• Characterize PD</li> <li>• Assess PK/PD relationships</li> </ul>	<ul style="list-style-type: none"> <li>• Exploratory biomarkers of SGN-PDL1V</li> <li>• Correlative analyses of PK and PD exposure</li> </ul>

## ASSESSMENTS

- Safety assessments will include the monitoring and recording of AEs, concomitant medication, physical examination findings, and laboratory tests
- Determination of antitumor activity will be based on objective response assessments as defined by RECIST v1.1 and corresponding 95% CIs will be presented where appropriate
- Safety and antitumor activity endpoints will be summarized using the all-treated-subjects analysis set
- DOR, PFS, and OS will be estimated using the Kaplan-Meier method
- Blood samples will be collected for PK and ADA analysis and will be summarized using descriptive statistics

### Abbreviations

ADA: anti drug antibody; ADC: antibody-drug conjugate; AE: adverse event; AUC: area under the concentration-time curve;  $C_{max}$ : maximum concentration; CI: confidence interval; CNS: central nervous system; CPS: combined positive score;  $C_{trough}$ : trough concentration; DLT: dose-limiting toxicity; DOR: duration of response; ECOG PS: Eastern Cooperative Oncology Group performance status; HNSCC: head and neck squamous cell carcinoma; MMAE: monomethyl auristatin E; MTD: maximum tolerated dose; NCI CTCAE: National Cancer Institute Common Terminology Criteria for Adverse Events; NSCLC: non-small cell lung cancer; ORR: objective response rate (CR or PR); OS: overall survival; PD: pharmacodynamic; PD-1: programmed cell death protein 1; PD-L1: programmed cell death ligand; PFS: progression-free survival; PK: pharmacokinetics; Pts: patients; RECIST: Response Evaluation Criteria in Solid Tumors; SAE: serious adverse event; SCC: squamous cell carcinoma; SoC: standard of care;  $t_{1/2}$ : half-life;  $T_{max}$ : time to maximum concentration; TPS: tumor proportion score

## SUMMARY

- SGN-PDL1V is a novel, investigational ADC directed to PD-L1 that is thought to induce antitumor effects through MMAE-directed cytotoxicity, bystander effect, and immunogenic cell death
- Expression of PD-L1, a cell-surface protein, is elevated across several solid tumor types, relative to normal tissue, and high expression of PD-L1 is associated with poor prognoses
- The SGNPDL1V-001 trial is evaluating the safety, tolerability, PK, and antitumor activity of SGN-PDL1V in adults with solid tumors
- Enrollment is ongoing in the United States and planned in EU

### Acknowledgements

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### References

1. O'Malley et al. Mod Pathol. 2019; 32:929-942
2. Cha et al. Mol Cell. 2019; 76(3):359-370
3. Kwan et al. J Imm Can. 2021; 9(Suppl 2):A818



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