FPN: 722TiP

CLAUDIO-01: A multicentric phase I/II trial to evaluate the safety and efficacy of SOT102 as monotherapy and in combination with standard of care (SoC) in patients with gastric, gastroesophageal junction (GEJ), and pancreatic adenocarcinoma

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Background

- SOT102 is an antibody-drug conjugate targeting CLDN 18.2, based on a highly specific monoclonal antibody conjugated to PNU-159682, an anthracycline derivative, using site-specific conjugation technology.
- Preclinical data support the development of SOT102 in the clinical setting.

Figure 1: SOT102 (CLDN 18.2 ADC)

A schematic representation of the molecular structure of SOT102



Figure 2: Efficacy/Tumor Growth



← Vehicle, i.v. Day 1, 8, 15

SOT102, 2mg/kg, i.v. Day 8, 15

SOT102, 0.6mg/kg, i.v. Day 8, 15

SOT102, 0.2mg/kg, i.v. Day 8, 15

Isotype-PNU, 2mg/kg, i.v. Day 1, 8, 15

SOT102 led to tumor regression in gastric PDXs. Relative group mean (±SEM) tumor volumes over the duration of the study are shown for animals (n=3) administered with vehicle, SOT102 (2, 0.6 and 0.2) mg/kg) or isotype-PNU (2 mg/kg) via i.v. dosing on day 1, 8 and 15.

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Contact: Dr. Radka Obermannova, obermannova@mou.cz Dr. Obermannova's disclosures: Financial Interests: BMS (Advisory Board, Personal), Merck (Invited Speaker, Personal), MSD (Invited Speaker, Personal), Servier (Advisory Board, Personal) Non-Financial Interests: CZECRINonco (Leadership Role, Czech Clinical Trials Network in Oncology), Visegrad Funds (Leadership Role, Visegrad 4 educational grant for clinical trials staff)





Part A SOT102 monotherapy SOT102 iv a2w

deemed safe



the recommended phase 2 dose (RP2D):



Study treatment

SOT102 i.v alone

or in combination

with SoC on day

1 every 2 weeks

eria



Declaration of Interest

Parts A and B:

- antibody and other metabolites
- SOT102

Parts C and D:

- SOT102

expression and clinical outcome

- FPI was in March 2022.

- and pancreatic cancer patients.

Primary objectives and endpoints

• To determine the MTD and RP2D of SOT102 as monotherapy and in combination with first-line SoC treatment (Parts A and B)

• To assess the efficacy of SOT102 in monotherapy and in combination with first-line SoC treatment by ORR (Parts C and D)

Secondary objectives and endpoints

• To assess the safety and tolerability of SOT102 in monotherapy and in combination with first-line SoC treatment

• To characterize the PK of SOT102 (=conjugated antibody), total

• To explore evidence of SOT102 activity in monotherapy and in combination with first-line SoC treatment in individual patients

• To explore whether patients develop any antibodies against

• To evaluate additional measures of efficacy of SOT102 in monotherapy and in combination with first-line SoC treatment

• To assess the safety and tolerability of SOT102 in monotherapy and in combination with first-line SoC treatment

• To assess quality of life (QoL) after treatment with SOT102 in monotherapy and in combination with first-line SoC treatment

• To characterize the PK of SOT102 (=conjugated antibody), total antibody and other metabolites

• To explore whether patients develop any antibodies against

Exploratory endpoints

• To assess the relationship between the intensity of CLDN 18.2

Status

• The trial is enrolling patients in Europe and USA.

• Dose escalation follows an accelerated modified Fibonacci scheme with cohort sizes of 3+3 and includes safety observation periods

• The current highest dose level for monotherapy is dose level 4 for Part A and dose level 1 in both cohorts of Part B.

• To date, 24 patients were treated in 4 escalating dose levels in Part A and 2 patients in first escalating dose level in Part B.

• The trial will proceed to reach a RP2D in both monotherapy and in combination with first-line SoC treatment in gastric/GEJ

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