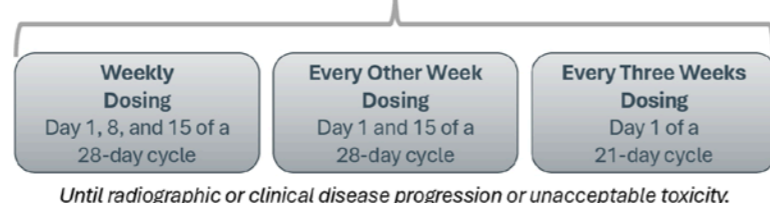


ELU001 (*pasifolate exatecan*)
An ultra-small (~6 nm) nanoparticle drug conjugate, known as a CDC, designed to target and penetrate solid tumors. ELU001 is composed of a silica core surrounded by short polyethylene glycol (PEG) chains covalently conjugated to folic acid (FR α targeting moieties) and exatecan topoisomerase-1 inhibitor payloads.

BACKGROUND

Part 1: Dose Escalation (completed)

Dose escalation study in basket design enrolling:
Ovarian, Endometrial, Colorectal, Gastric, Gastroesophageal Junction, Triple Negative Breast, Non-small Cell Lung, and Bile duct Cancers



Until radiographic or clinical disease progression or unacceptable toxicity.

ELU001 SAFETY

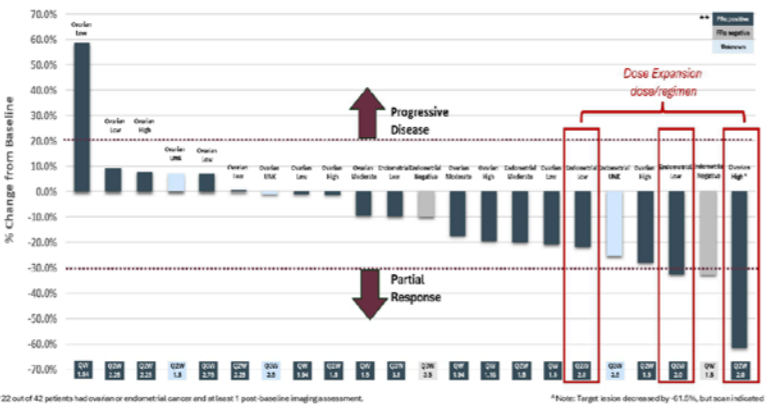
Grades \geq 3 Treatment Emergent AEs

Grades \geq 3 TEAEs--	QW Total N=15	Q2W Total N=17	Q3W Total N=10	Overall Total N=42
Anemia	9 (60.0%)	7 (41.2%)	4 (40.0%)	20 (47.6%)
Neutrophil count decreased	7 (46.7%)	5 (29.4%)	6 (60.0%)	18 (42.9%)
White blood cell count decreased	7 (46.7%)	3 (17.6%)	2 (20.0%)	12 (28.6%)
Platelet count decreased	4 (26.7%)	3 (17.6%)	5 (50.0%)	12 (28.6%)
Lymphocyte count decreased	3 (20.0%)	1 (5.9%)	1 (10.0%)	5 (11.9%)
Hypokalemia	2 (13.3%)	1 (5.9%)	1 (10.0%)	4 (9.5%)
Febrile neutropenia	-	-	3 (30.0%)	3 (7.1%)
Diarrhoea	2 (13.3%)	-	1 (10.0%)	3 (7.1%)
Vomiting	1 (6.7%)	-	2 (20.0%)	3 (7.1%)
Dyspnea	1 (6.7%)	1 (5.9%)	1 (10.0%)	3 (7.1%)
Hypertension	1 (6.7%)	1 (5.9%)	1 (10.0%)	3 (7.1%)
Ascites	1 (6.7%)	-	1 (10.0%)	2 (4.8%)
Nausea	1 (6.7%)	-	1 (10.0%)	2 (4.8%)

TEAEs* occurring in \geq 2 patients. *All events were treated with supportive care. **Data cut 11 Aug 2023.

ELU001 EFFICACY

Objective Response by RECIST v1.1 OVARIAN CANCER & ENDOMETRIAL CANCER (N=22*)



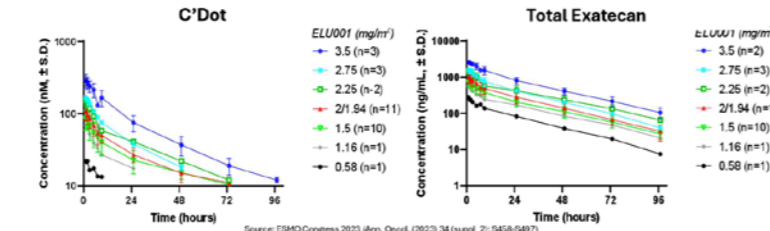
*22 out of 42 patients had ovarian or endometrial cancer and all had \geq 1 post-baseline scan. **All responses were based on RECIST v1.1. ***Data cut 11 Aug 2023.

INITIAL PK & ADA DATA

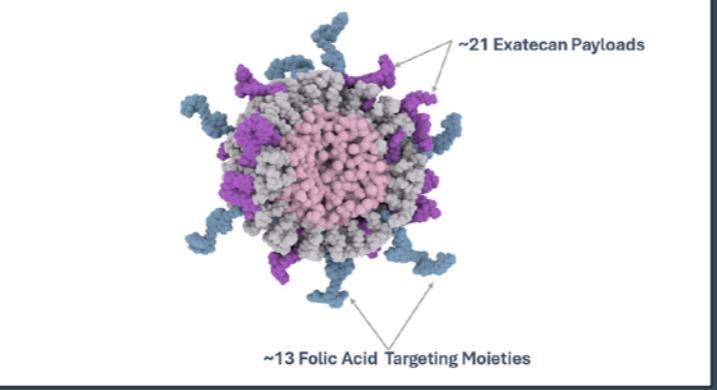
Concentrations of ELU001 C'Dot, Total Exatecan and Released Exatecan were assessed in patient plasma (currently ongoing). Preliminary data for the first 31 patients reveals dose proportionality for the C'Dot portion of ELU001 and the Total Exatecan payload and that ELU001's volume of distribution is primarily limited to the circulatory system. Released payload was ~ 5% of total payload. No anti-drug antibodies have been detected to date.

ELU001 Dose (mg/m ²)	C'Dot					Total Exatecan				
	AUC ₀₋₂₄ (h*ng/ml)	C _{max} (ng/ml)	t _{1/2} (h)	t _{1/2} (h)	CL (ml/h/kg)	AUC ₀₋₂₄ (h*ng/ml)	C _{max} (ng/ml)	t _{1/2} (h)	t _{1/2} (h)	CL (ml/h/kg)
0.58 (n=3)	1192	22.1	1.0	1.0	5037	6110	281	1.0	21.3	161
1.16 (n=3)	1815 (80.0)	35.0 (64.0)	1.0	1.0	7450 (2062)	10779 (4219)	742 (162)	1.0	28.1 (2.4)	199 (88)
1.74 (n=3)	2096 (64.0)	112 (96)	1.0	1.0	2796 (608)	2056 (576)	1127 (112)	1.0	28.0 (2.4)	166 (87)
2.32 (n=3)	3443 (37.7)	157 (6)	1.0	1.0	3443 (37.7)	5794 (154)	361 (111)	1.0	26.5 (2.7)	114 (31)
2.90 (n=3)	5043 (125)	176 (8)	1.0	1.0	2022 (138)	1079 (94)	3224 (289)	153 (17)	1.0	154 (28)
3.48 (n=3)	6542 (164)	236 (37)	1.0	1.0	1642 (142)	3036 (153)	5654	250	1.0	22

ELU001 PKs Exhibit Dose Proportionality



ELU001 A Novel Targeted Drug Conjugate designed for efficient delivery to cancers with less toxicity



Key Points

- Novel, ultra small nanoparticle (~6 nm) based C'Dot Drug Conjugate (CDC) delivery system potentially provides advantages over Antibody Drug Conjugates (ADCs)
- Uses folic acid to target FR α overexpressing tumor cells
- Delivers multiple molecules of exatecan, a potent topoisomerase 1 inhibitor payload
- Supported by strong pre-clinical data^{1,2}
 - Significant anti-tumor activity
 - Deep penetration into the tumor
 - Effective across 1+ to 3+ levels of FR α expression
- Supported by Part 1 Clinical Data³
 - ELU001 can be safely administered
 - ELU001 demonstrates activity against tumors across a range of FR α expression levels.
 - During dose escalation, 2 PRs and 19 SDs achieved out of 22 patients with ovarian or endometrial cancer with \geq 1 post-baseline scans, per RECIST v1.1

References

1. Amer. Assoc. for Cancer Research 2021 Annual Meeting (Abstract ID: 305)
2. Amer. Assoc. for Cancer Research 2022 Annual Meeting (Abstract ID: 1077)
3. ESMO Congress 2023 (Ann. Oncol. (2023) 34 (suppl_2): S458-S497)

Disclosures

*NSKCC has institutional financial interest relative to Elucida Oncology. ClinicalTrials.gov listing may be accessed through the Quick Response (QR) Code.

Want more info? Email ClinicalTrialInfo@ElucidaOncology.com or visit www.ElucidaOncology.com

STUDY DESIGN

Part 2: Tumor Group Expansion Cohorts

- Group 1: Ovarian High FR α (\geq 75%)
 - Group 2: Ovarian Low/Moderate FR α (\geq 25% and < 75%)
 - Group 3: Endometrial Cancer any FR α expression
- Other groups may be added based on available data.

Study Objectives

Study Part	Primary	Secondary
Part 2 Tumor Group Expansion	ORR	Safety, Tolerability, DOR, PFS, TFST, PFS2, OS, PK, Biomarkers, Immunogenicity

Key Eligibility Criteria

Inclusion Criteria for Part 2

- ✓ Ovarian Cancer, with histology of high-grade serous carcinoma, with 1-5 prior systemic lines of anti-cancer therapy
- ✓ Endometrial Cancer, with any histology (except carcinosarcoma [malignant mixed Müllerian tumor], or uterine sarcomas), with 1-4 cytotoxic chemotherapy-containing lines of anti-cancer therapy
- ✓ FR α expression level that meets entry threshold, based on VENTANA FOLR1 RxDx Assay
- ✓ Measurable disease, as per RECIST v1.1
- ✓ Performance Status (ECOG) of 0 or 1
- ✓ Adequate Organ Function

Exclusion Criteria for Part 2

- × Anti-cancer treatment \leq 4 weeks prior to first dose
- × Significant active or chronic corneal disorder
- × Require use of folate-containing supplements
- × Symptomatic brain or leptomeningeal metastases
- × QTcF > 470 ms \leq 4 weeks prior to first dose

Current Study Status

- Part 1: Dose Escalation – completed July 2023
- Part 2: Dose Expansion – currently ongoing

PART 1 SUMMARY³

ELU001 has a generally manageable safety profile associated with promising clinical activity across all levels of FR α expression

- ✓ Safety profile impacting hematologic and gastrointestinal systems is predictable based on known toxicity of the payload, exatecan, and is manageable with no evidence of many of the other off target organ system toxicities seen with ADCs
- ✓ No Febrile Neutropenia at Exploratory Dose
- ✓ Activity across several tumor types – Best responses in Endometrial & Ovarian Cancers
- ✓ Activity across All Levels of FR α expression
- ✓ Significant Durability of Activity
- ✓ Dose Proportionality of PKs and limited distribution beyond the blood pool
- × No Ocular Keratopathies, impact on Visual Acuity, Interstitial Lung Disease, Peripheral Neuropathy, Liver toxicity, Renal toxicity or Cardiac toxicity.

The authors wish to acknowledge the ELU-FR α -1 patients, investigators and site staff without whose input, this study would not have been possible.



Lead PI: Wen Ma, M.B.S. (Cleveland Clinic)
Protocol Number: ELU-FR α -1
ClinicalTrials.gov Identifier: NCT05001282
Participating Countries: United States