NUCANA

A New Era in Oncology



April 2024

Disclaimer

Forward-Looking Statements

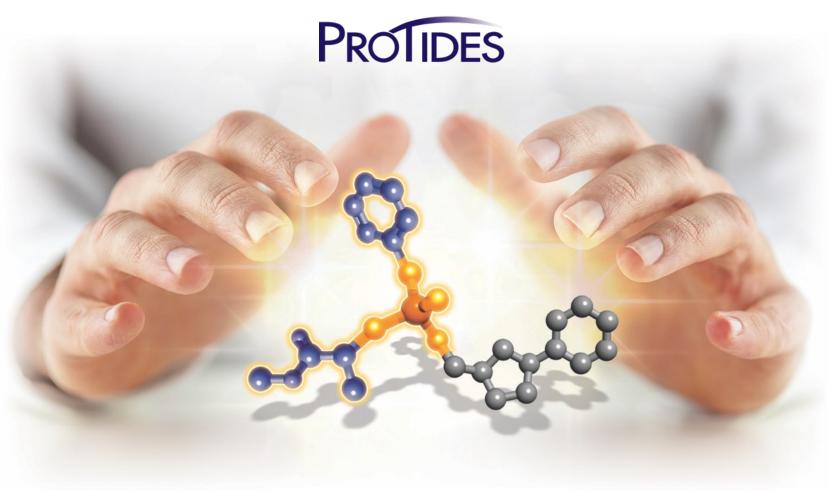
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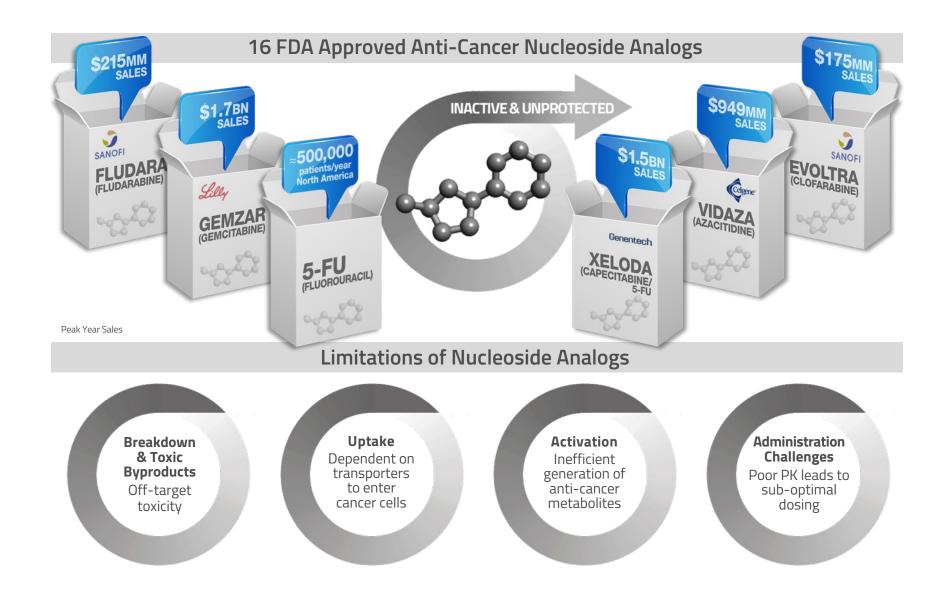
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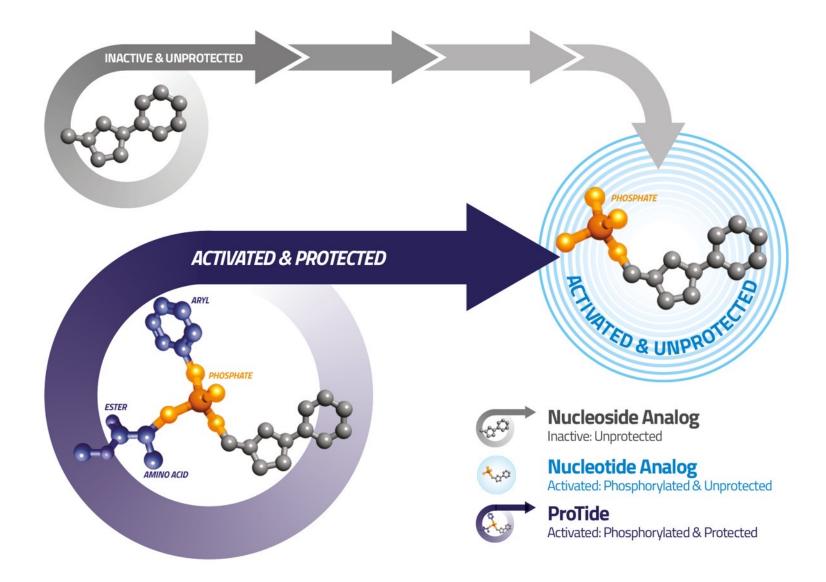


A New Era in Oncology





Transforming Nucleoside Analogs into ProTides



ProTides: A New Era In Anti-Virals



Transforms Therapeutic Index

Overcomes Viral Resistance Mechanisms

¹ Sovaldi + Harvoni + Epclusa + Vosevi cumulative sales through December 31, 2023
 ² Genvoya + Descovy + Odefsey + Biktarvy + Symtuza cumulative sales through December 31, 2023
 ³ Veklury cumulative sales through December 31, 2023

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ProTides: A New Era in Oncology



Transforms Therapeutic Index

Overcomes Cancer Resistance Mechanisms

¹ Pre-clinical data - Ghazaly *et al* (ESMO September 2017)
 ² Pre-clinical data - Symeonides *et al* (ESMO September 2020)





INDICATION	COMBINATION	PRE-CLINICAL	PHASE 1	PHASE 2	PHASE 3
Colorectal Cancer	irinotecan bevacizumab				
	oxaliplatin bevacizumab				
Colorectal Cancer second-line	irinotecan bevacizumab				
Solid Tumors	pembrolizumab				
Lung Cancer	docetaxel				
	Colorectal Cancer	Colorectal Cancer Colorectal Cancer Colorectal Cancer Second-line Colorectal Cancer Second-line Colorectal Cancer Solid Tumors	irinotecan colorectal Cancer oxaliplatin bevacizumab oxaliplatin bevacizumab colorectal Cancer second-line irinotecan bevacizumab Solid Tumors pembrolizumab	Colorectal Cancer irinotecan bevacizumab Oxaliplatin bevacizumab	Colorectal Cancer irinotecan bevacizumab Oxaliplatin bevacizumab oxaliplatin bevacizumab Colorectal Cancer second-line irinotecan bevacizumab Solid Tumors pembrolizumab

NUC-7738				
	Solid Tumors	monotherapy		
NUTIDE 701 Study	Solid Tumors	pembrolizumab		







*Based on exchange rate of £1.00 to \$1.27 as of December 31, 2023





A transformation of 5-FU

NUTIDE 301 Study - Solid Tumors - Phase 1 NUTIDE 302 Study - Colorectal Cancer - Phase 1b/2 (ongoing) NUTIDE 323 Study - Colorectal Randomized - Phase 2 (ongoing) NUTIDE 303 Study - Advanced Solid Tumors - Phase 1b/2 (ongoing)

5-FU: One of the Most Widely Used Anti-Cancer Medicines



- WHO List of Essential Medicines
- ~500,000 patients receive 5-FU annually in North America
- SOC for 18 of the 25 most common cancers
- 10-15% Overall Response Rate (first-line colorectal cancer)



Limitations of 5-FU



Breakdown & Toxicity >85% breakdown by DPD Toxic metabolites: FBAL & FUTP



Requires active transport



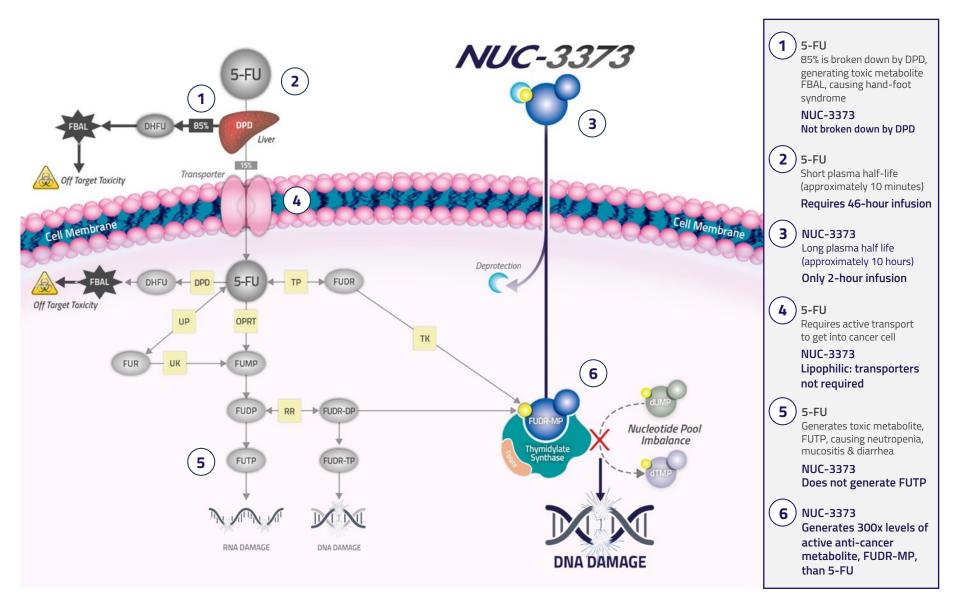
Activation Inefficient generation of anti-cancer metabolite



46-hour continuous infusion



NUC-3373 : A Targeted & More Potent TS Inhibitor than 5-FU

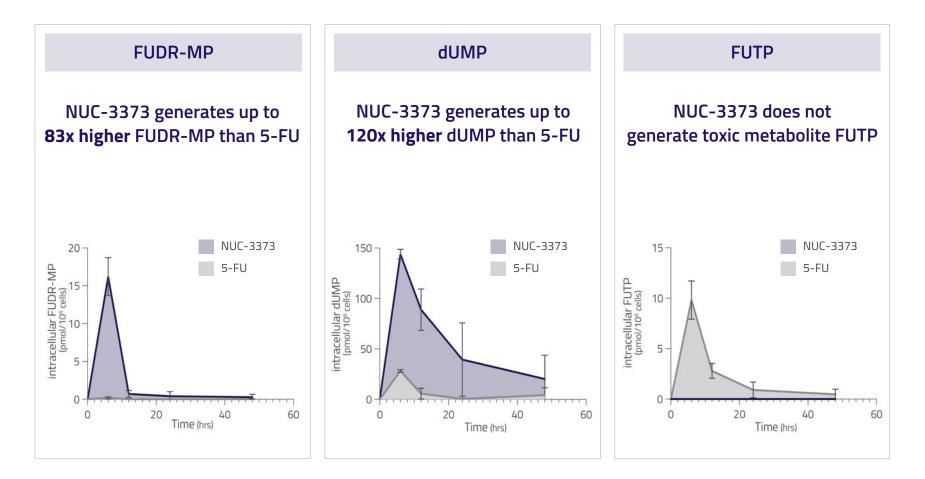




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NUC-3373 is a potent TS inhibitor and does not generate the toxic metabolite FUTP

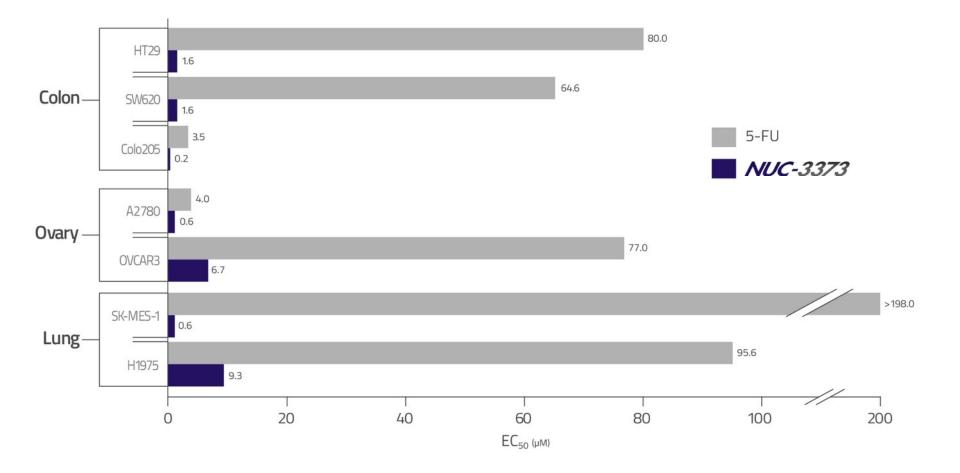


Bre *et al* (2022) Abstract ID 1835 (AACR April 2022) Non-clinical data presented as AUC in HCT116 human colorectal cancer cells treated with NUC-3373 or 5-FU





NUC-3373 : Greater Anti-Cancer Activity than 5-FU ProTide



NUC-3373: had up to 330x greater anti-cancer activity than 5-FU

Ghazaly et al (2017) Ann Oncol; 25: Suppl 5 Abstract ID:385P (ESMO September 2017)





NUTIDE 301 : Solid Tumor Phase 1 Study



- Exhausted all other therapeutic options
- Objective: Recommended Phase 2 dose & schedule
- Dose escalation range 125 to 3250 mg/m² (9 dose levels)



Spiliopoulou et al (2021) Ann Oncol; 32: Suppl 5 Abstract ID 549P (ESMO September 2021)





Treatment Related Adverse Events* (n=59)

	Grade 1 & 2 n (%)	Grade 3 n (%)	Grade 4 n (%)
Fatigue	26 (44%)	1 (2%)	0
Nausea	21 (36%)	0	0
Diarrhea	18 (31%)	0	0
Infusion reaction	17 (29%)	0	0
Transaminases increased	7 (12%)	4 (7%)	0
Anemia	9 (15%)	0	0
Vomiting	9 (15%)	0	0
Constipation	7 (12%)	0	0

RP2D for NUC-3373 monotherapy was 2500 mg/m² Q1W

Data cut-off: March 18, 2022 *Treatment-related adverse events (all grades) that occurred in >10% of patients





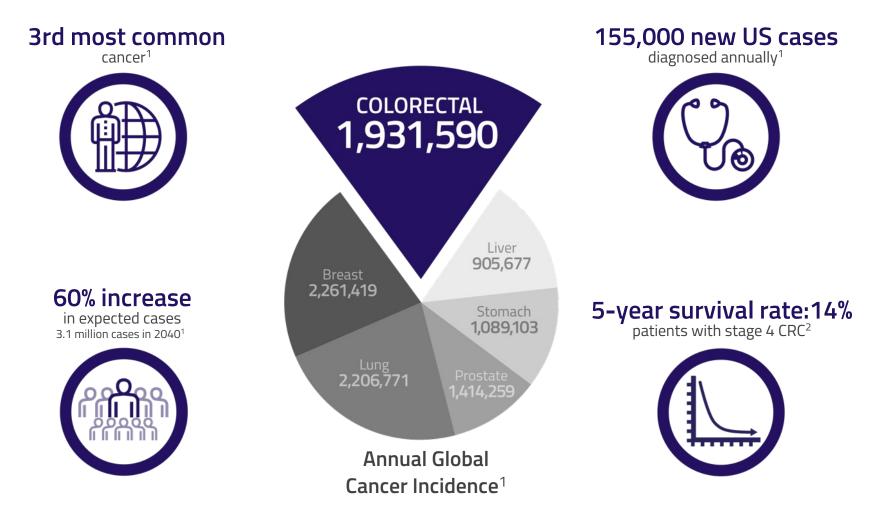
Metastatic	Metastatic	Metastatic
Colorectal Cancer	Basal Cell Carcinoma	Cholangiocarcinoma
70 years, male	55 years, male	60 years, female
6 prior lines	2 prior lines	1 prior line
 5-FU: based chemoradiotherapy (adjuvant) FOLFIRI: for metastatic disease CAPOX: progressed within 2 months FOLFIRI: progressed within 8 months LONSURF: progressed within 3 months Irinotecan: treatment for 1 month 	 1) Vismodegib: for 11 months 2) Paclitaxel + carboplatin: for 3 months 	1) Gemcitabine + cisplatin: progressed within 6 months
NUC-3373	NUC-3373	NUC-3373
1,500 mg/m ² Q1W	1,500 mg/m ² Q2W	1,125 mg/m ² Q1W
Stable Disease:	Stable Disease:	Stable Disease:
9 months	10 months	11 months

Spiliopoulou *et al* (2021) *Ann Oncol;* 32: Suppl 5 Abstract ID 549P (ESMO September 2021) Data cut-off: August 17, 2021





NUC-3373 : Colorectal Cancer Market Opportunity



1. GLOBOCAN 2020, Cancer Incidence and Mortality Worldwide 2. American Cancer Society, 2022

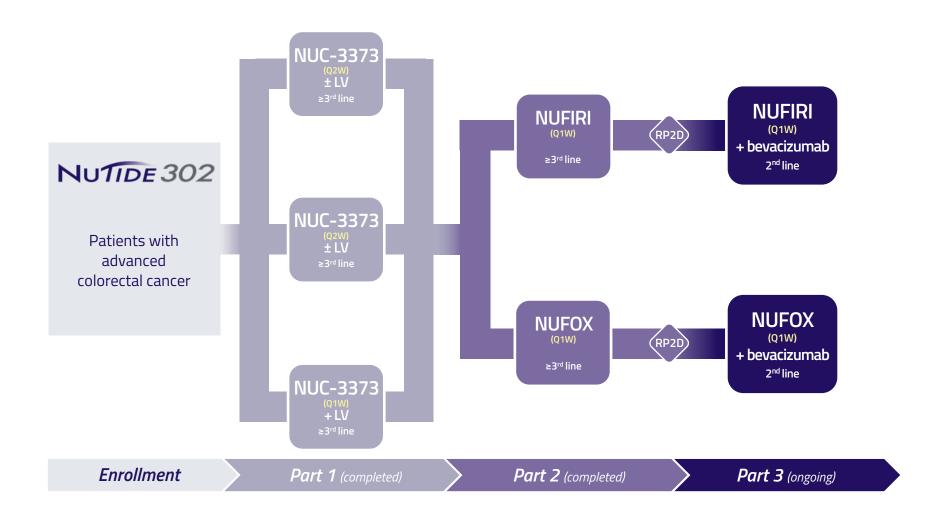
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NUC-3373 : 5-FU is the Cornerstone of Colorectal Cancer Treatment ProTide

				5-FU base	ed regimen:	5 Non-5	i-FU based re	egimens
		Percenta	ige of Treat	table Marke	et			
	10% 20%	30% 40%	50%	60%	70%	80%	90%	100%
Neo/Adjuvant		F	OLFOX / CA	РОХ				
1 st Line		FOLFOX / CAPOX ± targeted agent				FOLFIRI / F ± targeted		10
Maintenance		5-FU / c	apecitabine ±	targeted agent				
2 nd Line		FOLFIRI ± targeted agent				FOLFOX ± targeted agent		argeted erapies
≥3 rd Line	FOLFIRI / FOLFOX ± targeted agent	5-FU / capecit	abine	Lonsu	ırf / Stivarg	a / Fruzaqla	Targe thera	

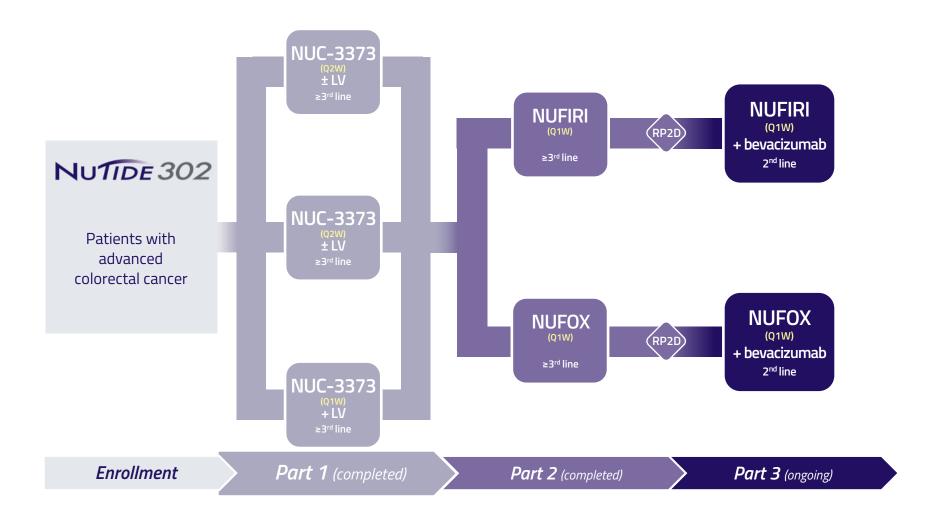




NUFIRI = NUC-3373 q1w + LV q1w + irinotecan q2w NUFOX = NUC-3373 q1w + LV q1w + oxaliplatin q2w







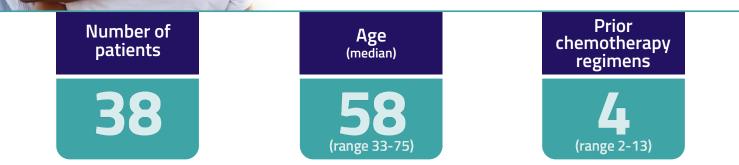
NUFIRI = NUC-3373 q1w + LV q1w + irinotecan q2w NUFOX = NUC-3373 q1w + LV q1w + oxaliplatin q2w







- Heavily pre-treated patients with advanced colorectal cancer
 - Exhausted all other therapeutic options
 - Received ≥2 prior lines of fluoropyrimidine-based regimens
- NUC-3373 ± leucovorin

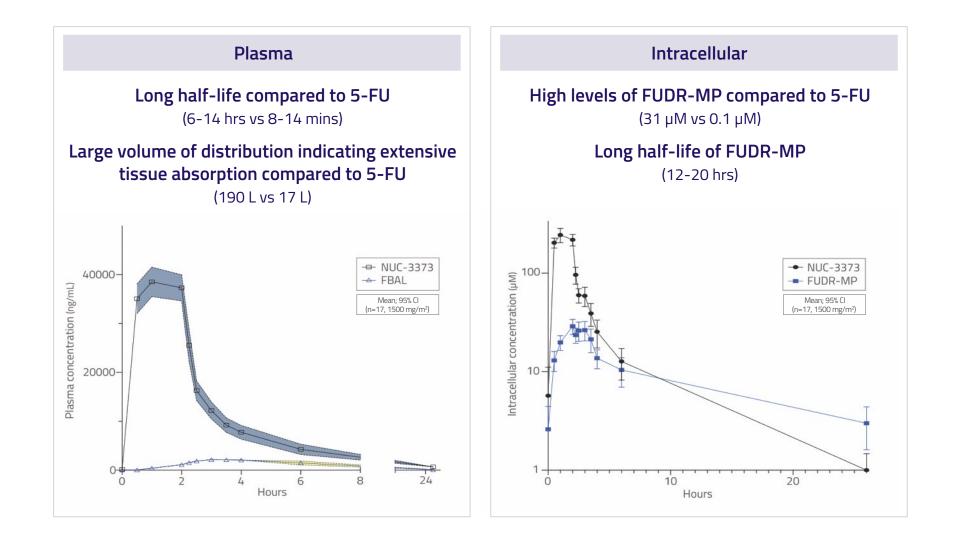


Berlin et al (2021) Ann Oncol; 32: Suppl 5 Abstract ID 745P (ESMO September 2021). Data cut-off: April 15, 2021





NUTICE 302 : Improved Pharmacokinetic Profile Compared to 5-FU



Coveler et al (2021) J Clin Oncol 39: Suppl 3 Abstract ID: 93 (ASCO GI January 2021). Data cut-off: November 26, 2020





NUC-3373 has been well tolerated even in very heavily pre-treated patients

 Low rates of Grade 3 or 4 toxicities, particularly those associated with FUTP and FBAL (i.e. neutropenia, diarrhea, mucositis/stomatitis and hand-foot syndrome)

		reatment edian)	1 st line treatment								
	NUC-3373 (n=38) ¹		5-FU Bolu	JS (n=219) ²	5-FU CIV	(n=143) ²	Capecitabine (n=596) ³				
	All Grades (%)	G3 or G4 (%)	All Grades (%)	G3 or G4 (%)	All Grades (%)	G3 or G4 (%)	All Grades (%)	G3 or G4 (%)			
Neutropenia	0	0	99	67	48	13	13	3			
Anemia	18	5	99	6	91	2	80	3			
Diarrhea	32	0	70	13	45	6	55	15			
Nausea	45	5	68	8	55	4	43	4			
Vomiting	42	0	46	4	32	3	27	5			
Mucositis/stomatitis	11	0	76	17	29	3	25	3			
Hand-foot syndrome	0	0	NR	NR	13	1	54	17			
Dermatitis	11	0	30	1	20	0	27	1			
Fatigue/asthenia	47	5	65	12	48	4	42	4			
Elevated bilirubin	11	5	92	8	36	11	48	23			

NUC-3373 treatment emergent adverse events, selected relevant to comparator data. NR: not reported

1. Berlin et al (2021) Ann Oncol; 32: Suppl 5 Abstract ID 745P (ESMO September 2021). Data cut-off: April 15, 2021

2. Camptosar Label

3. XELODA label

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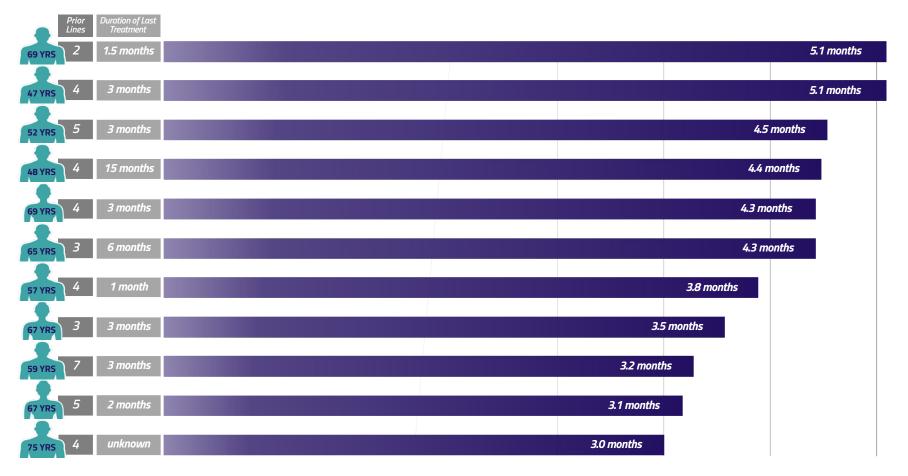




NUTICE 302 : Extended Treatment Duration Compared to Previous Therapy

Numerous heavily pre-treated patients achieved longer PFS compared to their prior line of therapy

- PFS typically decreases by 50% with each line of therapy in CRC patients
- Matching or exceeding the PFS achieved in the prior line is a very encouraging sign of efficacy



NUC-3373

Selected case studies in patients who achieved ${\geq}3$ months on study

Berlin et al (2021) Ann Oncol; 32: Suppl 5 Abstract ID 745P (ESMO September 2021). Data cut-off: April 15, 2021



Colorectal Cancer

67 years, female **3 prior lines**

1) CAPOX (adjuvant): for **3 months** relapsed 9 months post-adjuvant therapy

2) FOLFIRI: progressed within **3 months**

3) Lonsurf: progressed within **3 months**

> RAS unknown Target lesions: 1 (peritoneum)

NUC-3373 2,500 mg/m² Q1W **40% reduction** in target lesion

> Partial Response: **3.5 months**

Colorectal Cancer

69 years, male **2 prior lines**

Diagnosed with metastatic disease

1) CAPOX: progressed within **2 months** tumor **increase of 35%**

2) FOLFIRI: progressed within **1.5 months**

> RAS unknown Target lesions: 2 (liver)

NUC-3373 1,500 mg/m² Q1W **28% reduction** in tumor volume

Stable Disease: **5.1 months***

* patient missed 6 consecutive doses due to COVID-19 and progressed, but continued on study for a total of 8 months due to clinical benefit

Colorectal Cancer

52 years, male **5 prior lines**

1) FOLFOX (adjuvant): for **4 months** relapsed 4 months post-adjuvant therapy

2) FOLFIRI: progressed within **6 months**

3) Irinotecan + panitumumab: progressed within **6 months**

4) Irinotecan + panitumumab + telaglenastat: progressed within **6 months**

5) Nivolumab + enadenotucirev: progressed within **3 months**

> RAS wildtype; BRAF mutant Target lesions: 3 (2 lung; 1 liver)

> > NUC-3373 1,500 mg/m² Q2W

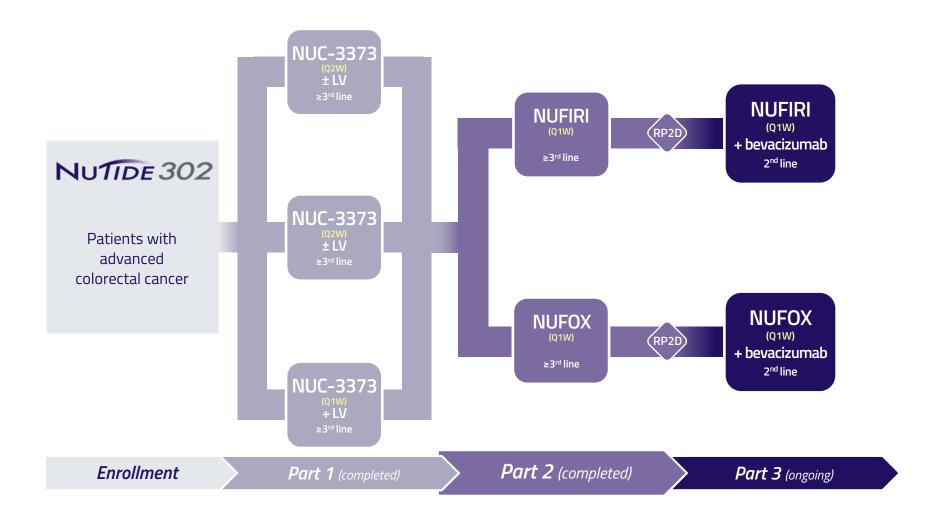
15% reduction in tumor volume

Stable Disease: 4.5 months

Graham *et al* (2020) *Ann Oncol* 31: Suppl 4 Abstract ID :464P (ESMO September 2020). Data cut-off: August 14, 2020 Coveler *et al* (2021) *J Clin Oncol* 39: Suppl 3 Abstract ID: 93 (ASCO GI January 2021). Data cut-off: November 26, 2020







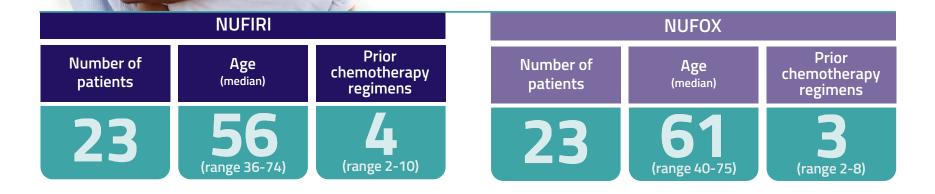
NUFIRI = NUC-3373 q1w + LV q1w + irinotecan q2w NUFOX = NUC-3373 q1w + LV q1w + oxaliplatin q2w





Part 2

- Heavily pre-treated patients with advanced colorectal cancer
 - Exhausted all other therapeutic options
 - Received ≥2 prior lines of fluoropyrimidine-based regimens
- NUFIRI: NUC-3373 + leucovorin + irinotecan
- NUFOX: NUC-3373 + leucovorin + oxaliplatin



Coveler et al (2022) Ann Oncol; 33: Suppl 7 Abstract ID 354P (ESMO September 2022). Data cut-off: August 5, 2022

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NUC-3373 has been well tolerated in combination with leucovorin + irinotecan or oxaliplatin

- No Grade 4 toxicities
- Low rates of Grade 3 toxicities

Treatment Related Adverse Events

NUC-3373

	NUFIRI at MTD (n=9)			NUF	NUFOX at MTD (
	Grade 1 or 2	Grade 3	Grade 4	Grade 1 or 2	Grade 1 or 2 Grade 3
Nausea	4 (44%)	0	0	4 (40%)	4 (40%) 1 (10%)
Diarrhea	1 (11%)	0	0	4 (40%)	4 (40%) 0
Vomiting	2 (22%)	0	0	3 (30%)	3 (30%) 1 (10%)
Stomatitis	0	0	0	1 (10%)	1 (10%) O
ALT increased	0	2 (22%)	0	1 (10%)	1 (10%) O
AST increased	1 (11%)	0	0	2 (20%)	2 (20%) 0
ALP increased	0	1 (11%)	0	0	0 0
Appetite decreased	2 (22%)	0	0	3 (30%)	3 (30%) 0
Hypokalemia	0	0	0	0	0 1 (10%)
Hypomagnesemia	2 (22%)	0	0	0	0 0
Anemia	2 (22%)	0	0	1 (10%)	1 (10%) O
Thrombocytopenia	0	0	0	0	0 1 (10%)
Fatigue	2 (22%)	1 (11%)	0	5 (50%)	5 (50%) 0
Infusion-related reaction	0	0	0	2 (20%)	2 (20%) 0

Treatment Related Adverse Events reported are related to NUC-3373, NUC-3373 & oxaliplatin or NUC-3373 & irinotecan

All grade TRAEs with incidence of ≥10% in any dose cohort; All grade ≥3 TRAEs reported

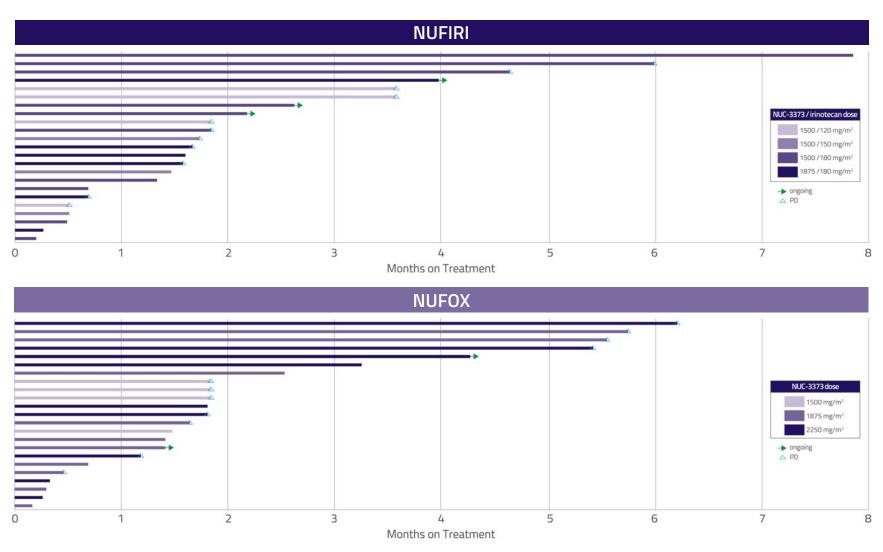
MTD of NUFIRI= NUC-3373 1,500 mg/m² + irinotecan 180 mg/m²; MTD of NUFOX= NUC-3373 1,875 mg/m² + oxaliplatin 85 mg/m²

Coveler et al (2022) Ann Oncol; 33: Suppl 7 Abstract ID 354P (ESMO September 2022). Data cut-off: August 5, 2022





Encouraging treatment duration in a heavily pre-treated population

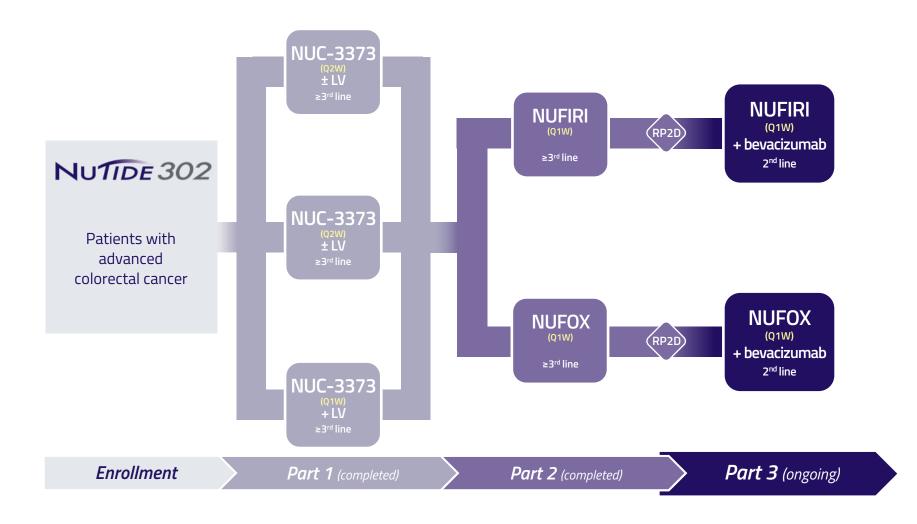


Coveler et al (2022) Ann Oncol; 33: Suppl 7 Abstract ID 354P (ESMO September 2022). Data cut-off: August 5, 2022

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NUTIDE 302 : Colorectal Cancer Phase 1b/2 Study (ongoing) Study - Part 3



NUFIRI = NUC-3373 q1w + LV q1w + irinotecan q2w NUFOX = NUC-3373 q1w + LV q1w + oxaliplatin q2w

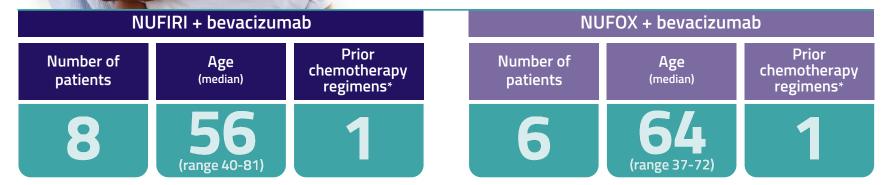




NUTICE 302 : Colorectal Cancer Phase 1b/2 Study (ongoing) Study - Part 3



- Second-line patients with advanced colorectal cancer
 - Received 1 prior fluoropyrimidine-based regimen
- NUFIRI+bev: NUC-3373 + leucovorin + irinotecan + bevacizumab
- NUFOX+bev: NUC-3373 + leucovorin + oxaliplatin + bevacizumab



*for metastatic disease

Khan et al (2023) Mol Cancer Ther; 22: Suppl 12 Abstract ID B048 (AACR NCI EORTC October 2023). Data cut-off: August 22, 2023





NUFIRI+bev & NUFOX+bev regimens have been well tolerated

No Grade 4 toxicities

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Low rates of Grade 3 toxicities

Treatment Related Adverse Events

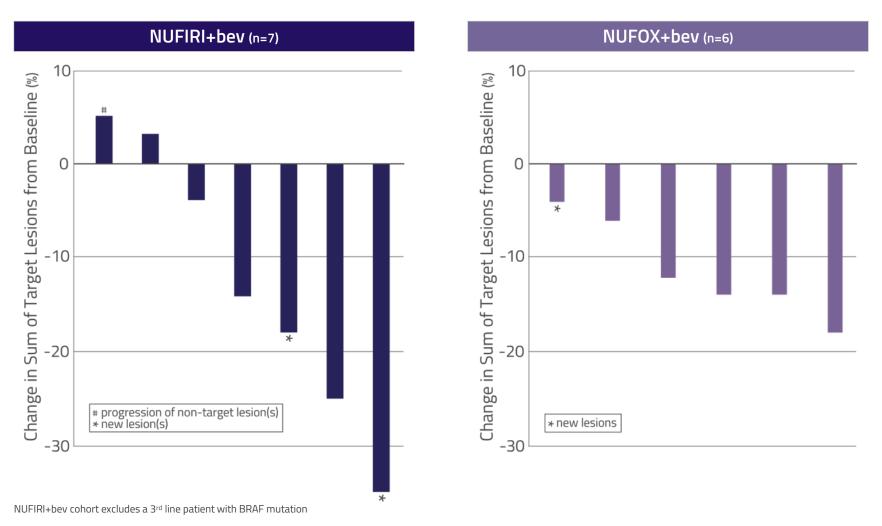
	NUFIRI+bev (n=8*)			N	NUFOX+bev (n=6)		
	All Grades	Grade 3	Grade 4	All Grades	Grade 3	Grade 4	
ALT increased	5 (63%)	2 (25%)	0	0	0	0	
AST increased	5 (63%)	0	0	0	0	0	
Diarrhea	5 (63%)	0	0	5 (83%)	0	0	
Nausea	4 (50%)	0	0	6 (100%)	1 (17%)	0	
Anemia	3 (38%)	0	0	1 (17%)	0	0	
Fatigue	2 (25%)	0	0	3 (50%)	0	0	
Flushing	2 (25%)	0	0	3 (50%)	0	0	
Vomiting	2 (25%)	0	0	3 (50%)	1 (17%)	0	
Abdominal pain	1 (13%)	0	0	2 (33%)	0	0	
Constipation	1 (13%)	0	0	2 (33%)	0	0	
Decreased appetite	1 (13%)	0	0	2 (33%)	0	0	
Dysguesia	1 (13%)	0	0	1 (17%)	0	0	
Platelet count decreased	1 (13%)	0	0	1 (17%)	0	0	
Headache	0	0	0	3 (50%)	0	0	
Dizziness	0	0	0	2 (33%)	0	0	

All Grade TRAEs with an incidence of \geq 10% in combined NUFIRI/NUFOX population. NUC-3373 ± combinations related AEs *Safety data for NUFIRI+bev includes a 3rd line patient with BRAF mutation

Khan et al (2023) Mol Cancer Ther; 22: Suppl 12 Abstract ID B048 (AACR NCI EORTC October 2023). Data cut-off: August 22, 2023



Second-line patients with advanced colorectal cancer



Khan et al (2023) Mol Cancer Ther; 22: Suppl 12 Abstract ID B048 (AACR NCI EORTC October 2023). Data cut-off: August 22, 2023

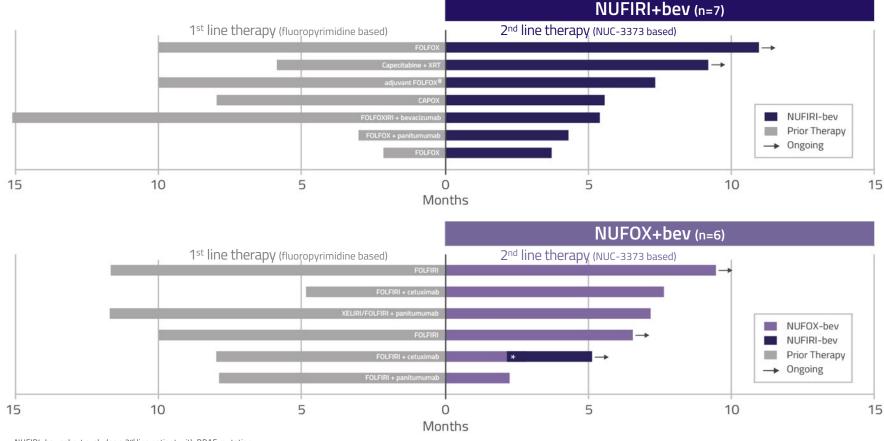
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NUTICE 302 : Encouraging Progression Free Survival vs Prior Therapy (ongoing)

Numerous 2nd line patients achieved longer PFS compared to their 1st line therapy

- PFS typically decreases by 50% with each line of therapy in CRC patients
- Matching or exceeding the PFS achieved in the 1st line is a very encouraging sign of efficacy



Progression Free Survival

NUFIRI+bev cohort excludes a 3rd line patient with BRAF mutation

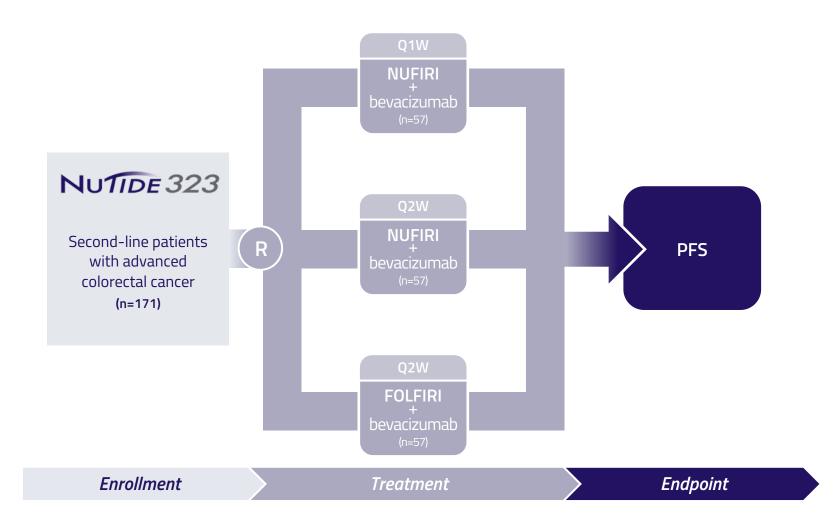
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[#]patient relapsed 4 months after completion of adjuvant FOLFOX indicating metastatic disease *switched to NUFIRI+bev due to oxaliplatin-related infusion reaction

Khan et al (2023) Mol Cancer Ther; 22: Suppl 12 Abstract ID B048 (AACR NCI EORTC October 2023). Data cut-off: August 22, 2023



NUTIDE 323 : Colorectal Randomized Phase 2 Study (ongoing) Study - Phase 2



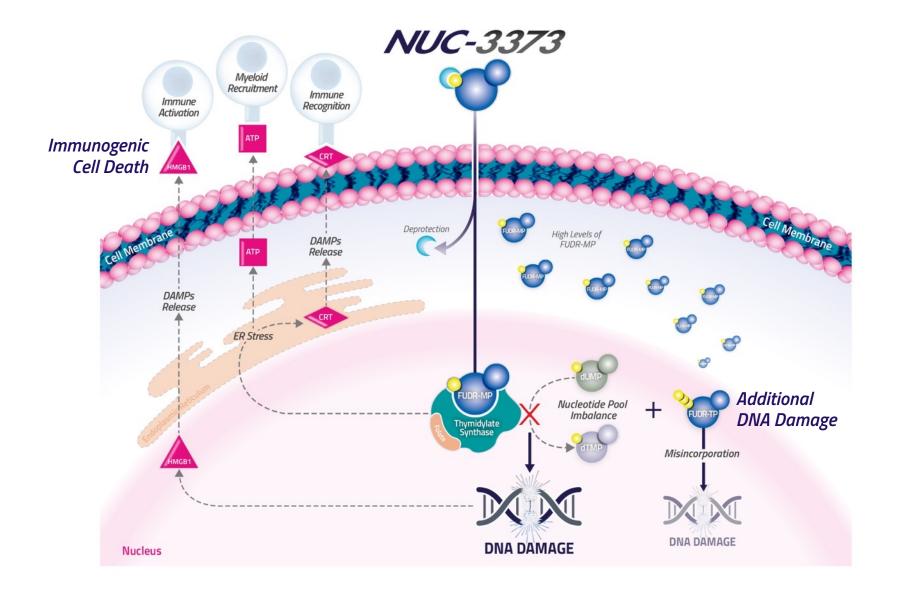
Q1W NUFIRI + bevacizumab = NUC-3373 + LV (Q1W), irinotecan + bevacizumab (Q2W) Q2W NUFIRI + bevacizumab = NUC-3373 + LV + irinotecan + bevacizumab (Q2W)

Q2W FOLFIRI + bevacizumab = bolus 5-FU followed by continuous IV 5-FU + LV + irinotecan + bevacizumab (Q2W)





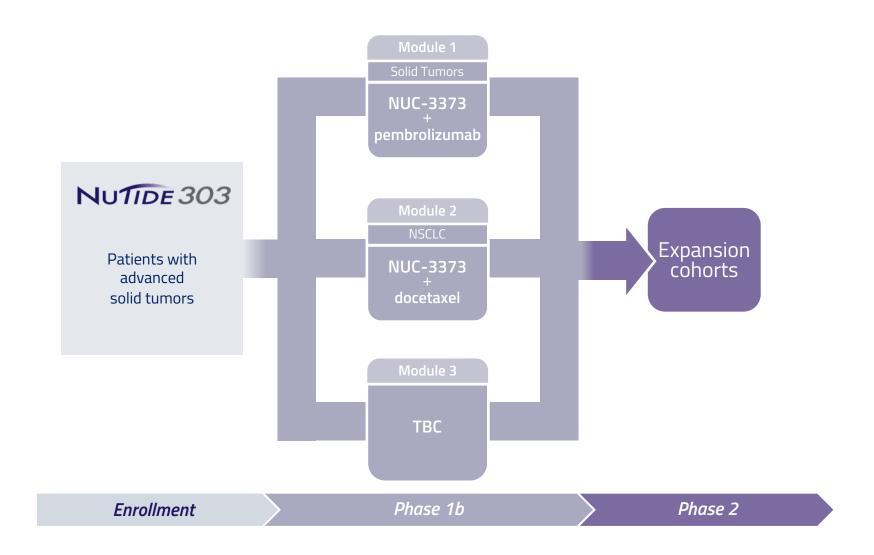
NUC-3373 : Promotes Immunogenic Cell Death & Additional DNA Damage







NUTIDE 303 : Additional Indications Phase 1b/2 Study (ongoing)



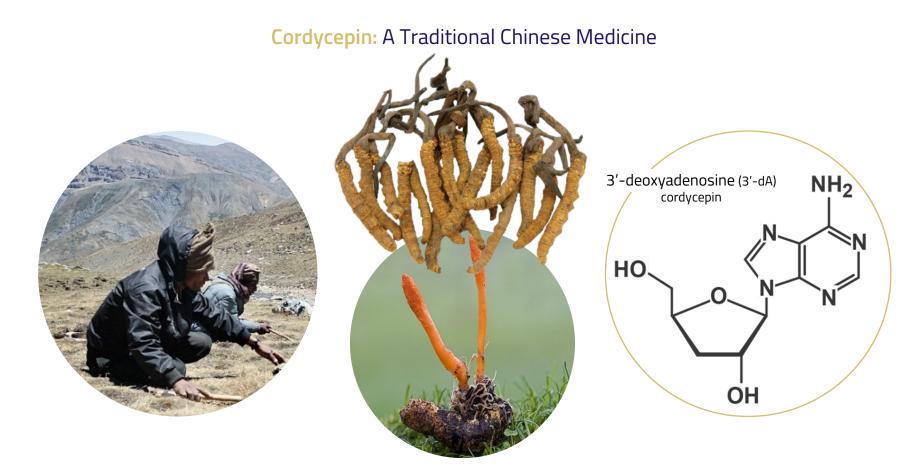




A transformation of 3'-deoxyadenosine

NUTIDE 701 Study - Solid Tumors - Phase 1/2 (ongoing)



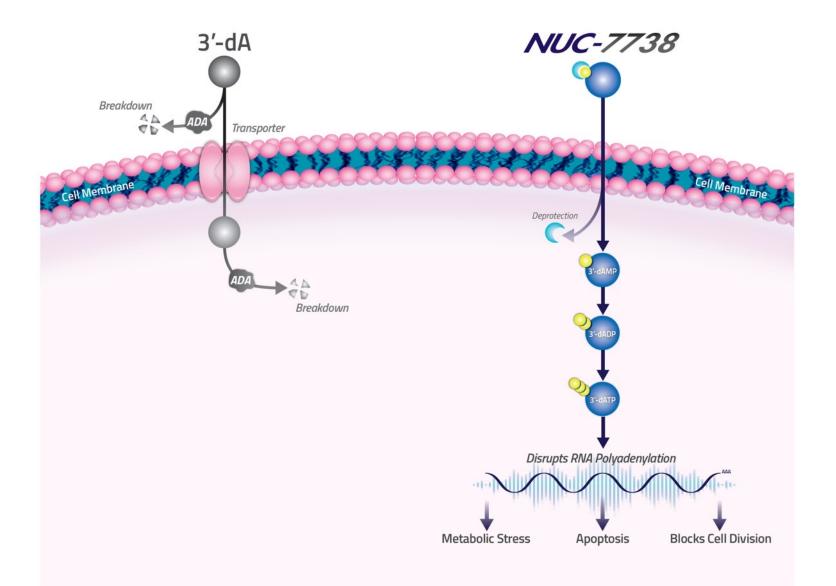


1950: **3'-dA** isolated from *Cordyceps sinensis*





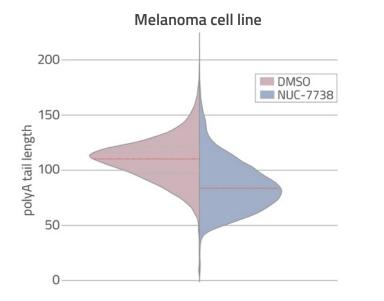
NUC-7738 : RNA Polyadenylation Disruptor

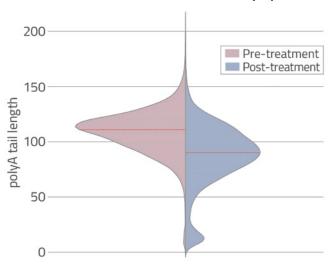




NUC-7738: Profound Effects on Polyadenylation & Transcription

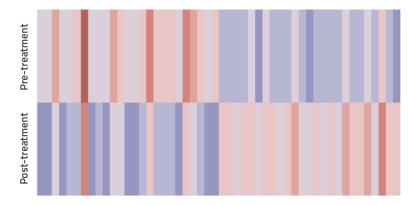
NUC-7738 shortens polyA tail length in vitro and in patients' tumors





Cutaneous melanoma biopsy

NUC-7738 causes major changes in gene expression in patients' tumors

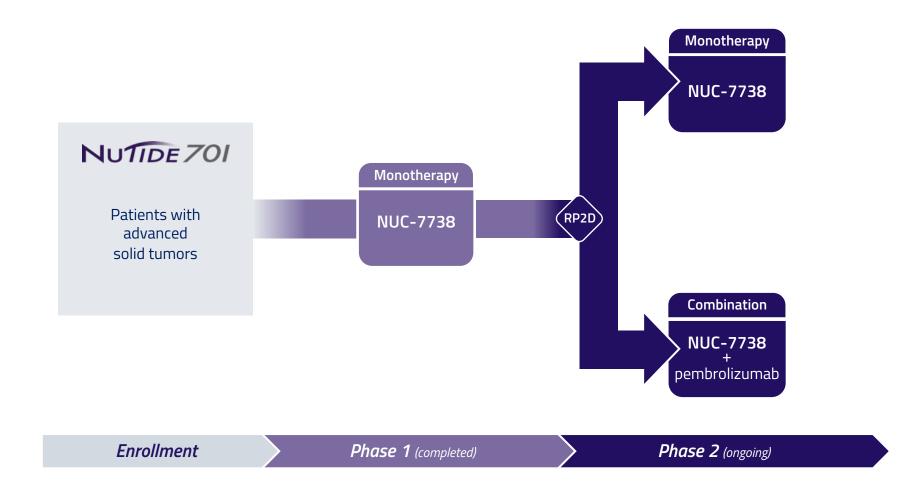






NUTICE 701 : Solid Tumor Phase 1/2 Study (ongoing)

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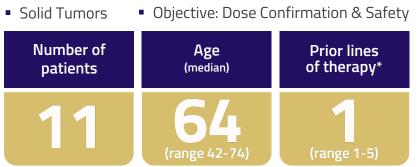




Patients with metastatic cancer who have exhausted all therapeutic options

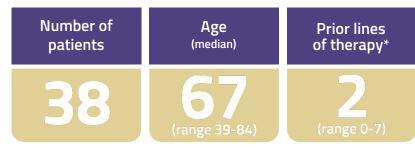


Phase 2 Monotherapy (completed)

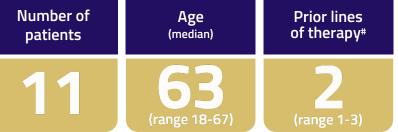


Phase 1 Monotherapy (completed)

Solid Tumors
 Objective: Recommended Phase 2 Dose







Symeonides et al (2020) Ann Oncol: 31: S501 Abstract ID: 600TiP (ESMO September 2020). Data cut-off: August 14, 2020

Blagden et al (2023) Mol Cancer Ther; 22: Suppl 12 Abstract ID C032 (AACR NCI EORTC October 2023). Data cut-off: September 19, 2023

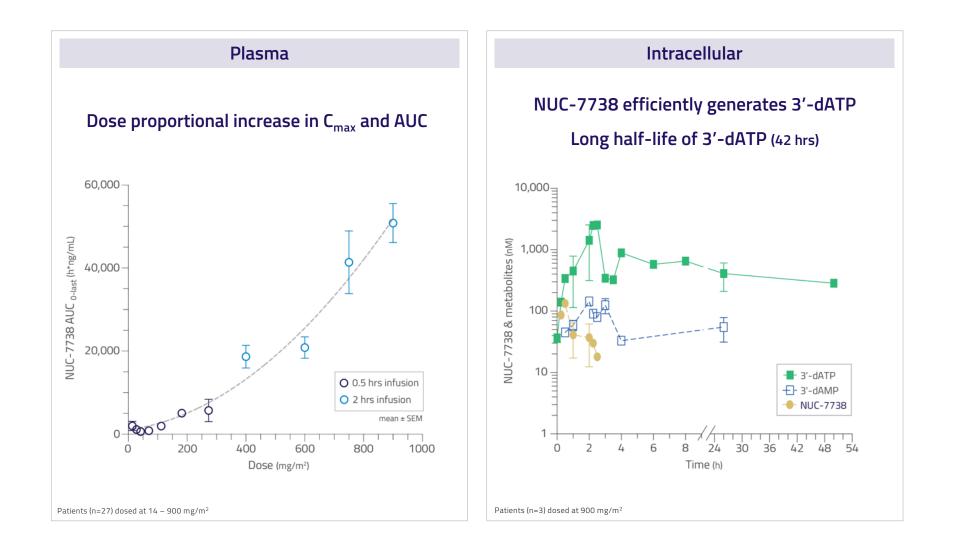
* for advanced disease # including adjuvant

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NUTICE 701 : Attractive Pharmacokinetic Profile







NUTICE 701 : Favorable Safety Profile

NUC-7738 has been well tolerated

- No Grade 4 toxicities
- Low rates of Grade 3 toxicities

												MTD		
Dose AE occurred (mg/m ²)	14 n*=2	28 n*=3	42 n*=2	70 n*=3	112 n*=4	182 n*=4	273 n*=5	400 n*=6	600 n*=9	750 n*=5	900 n*=8	1350 n*=11	2000 n*=2	Total [#] n=38
				All Grade [.]	Treatmei	nt-Relate	d Advers	e Events ((≥10%)					
Nausea	0	1 (33%)	0	0	0	0	1 (20%)	0	3 (33%)	2 (40%)	3 (38%)	5 (45%)	1 (50%)	16 (42%)
Fatigue	0	1 (33%)	0	0	0	0	0	1 (17%)	3 (33%)	1 (20%)	3 (38%)	7 (64%)	2 (100%)	14 (37%)
Anemia	0	0	0	0	0	0	0	0	0	0	2 (25%)	4 (36%)	2 (100%)	7 (18%)
Diarrhea	0	0	0	0	0	0	1 (20%)	0	0	1 (20%)	1 (13%)	4 (36%)	0	6 (16%)
Vomiting	0	0	0	0	0	0	0	0	0	1 (20%)	1 (13%)	3 (27%)	1 (50%)	6 (16%)
Mucosal inflammation	0	0	0	0	0	0	0	0	1 (11%)	1 (20%)	0	1 (9%)	1 (50%)	4 (11%)
Decreased appetite	0	0	0	1 (33%)	0	1 (25%)	1 (20%)	0	0	0	1 (13%)	0	0	4 (11%)
Grade 3 Treatment-Related Adverse Events (ALL)														
Fatigue	0	0	0	0	0	0	0	0	0	0	0	3 (27%)	2 (100%)	4 (11%)
Anemia	0	0	0	0	0	0	0	0	0	0	1 (13%)	0	0	1 (3%)
Neutropenia	0	0	0	0	0	0	0	0	1 (11%)	0	0	0	0	1 (3%)
Vomiting	0	0	0	0	0	0	0	0	0	0	0	0	1 (50%)	1 (3%)

MTD: maximum tolerated dose

* number of patients receiving each dose level at any time during the study

* total number of patients who experienced TRAE

Symeonides et al (2022) Ann Oncol: 33: Suppl 7 Abstract ID 455MO (ESMO oral September 2022). Data cut-off: July 7, 2022



NUTICE 701 : Encouraging Signs of Efficacy

Metastatic Melanoma

62 years, female **2 prior lines**

1) nivolumab + ipilimumab: discontinued within 1 month

- 2) CK7 inhibitor: progressed at 1 month
- NUC-7738 starting dose 14 mg/m² (8 dose escalations)
- 18 months treatment duration (Stable Disease 12 months)
- 14% reduction in tumor volume

Metastatic Melanoma

65 years, female **1 prior line**

1) nivolumab + ipilimumab: discontinued within **1 month**

- NUC-7738 starting dose 400 mg/m² (1 dose escalation)
- 11 months treatment duration (Stable Disease 9 months)
- NUC-7738 treatment enabled complete resection patient had diffuse disease that was inoperable prior to NUC-7738

Metastatic Clival Chordoma

72 years, female **1 prior line**

1) imatinib: progressed at **19 months**

- NUC-7738 dose 1,350 mg/m²
- Stable disease 6 months
- Bleeding from nasal lesion resolved
- 45% reduction in mandibular lesion
- Complete disappearance of lip lesion

Metastatic Lung Adenocarcinoma

65 years, male **2 prior lines**

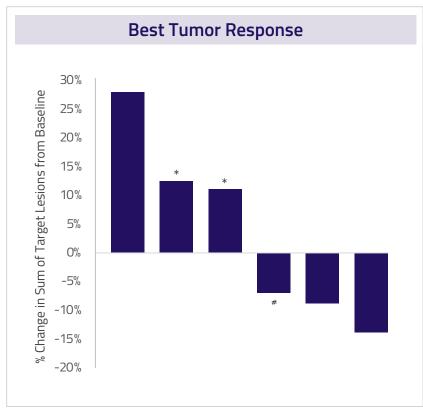
- 1) carboplatin + pemetrexed: progressed at 6 months
- 2) docetaxel: progressed at 4 months
- NUC-7738 starting dose 42 mg/m² (4 dose escalations)
- Treatment duration 6 months
- 46% reduction in lung lesion 1
- Change in character in lung lesion 2
 - small dense core surrounded by a larger diffuse "ground-glass" periphery

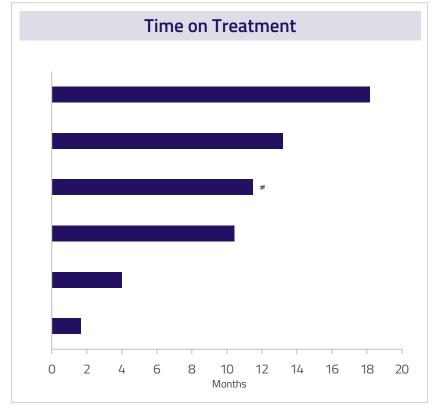
Symeonides et al (2022) Ann Oncol: 33: Suppl 7 Abstract ID 455MO (ESMO oral September 2022). Data cut-off: July 7, 2022





Patients with advanced melanoma who had received prior immunotherapy and exhausted all therapeutic options





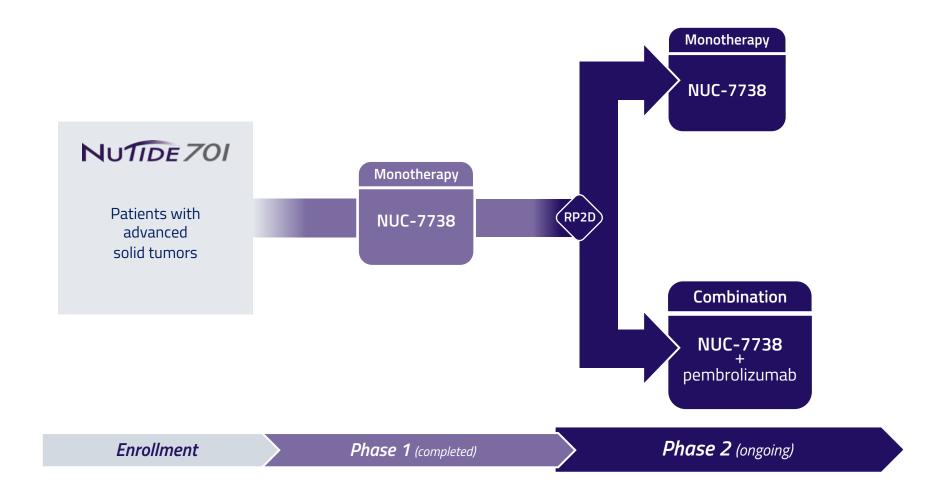
- $^{\#}$ NUC-7738 enabled complete surgical resection with no residual disease
- * New Lesion(s)

Symeonides et al (2022) Ann Oncol: 33: Suppl 7 Abstract ID 455MO (ESMO oral September 2022). Data cut-off: July 7, 2022





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NUC-7738 + pembrolizumab has been well tolerated (n=11)

- Low rates of Grade ≥3 toxicities
- 1 patient experienced Grade 4 transaminitis (ALT/AST increased)

Treatment Related Adverse Events

	All Grades n(%)	Grade ≥3 n(%)	
Nausea	7 (64)	0	
ALT increased	4 (36)	1 (9)	
Diarrhea	4 (36)	1 (9)	
Vomiting	4 (36)	1 (9)	
Anemia	3 (27)	0	
Fatigue	3 (27)	0	
AST increased	2 (18)	1 (9)	
Blood magnesium decreased	2 (18)	0	
Blood potassium decreased	2 (18)	0	

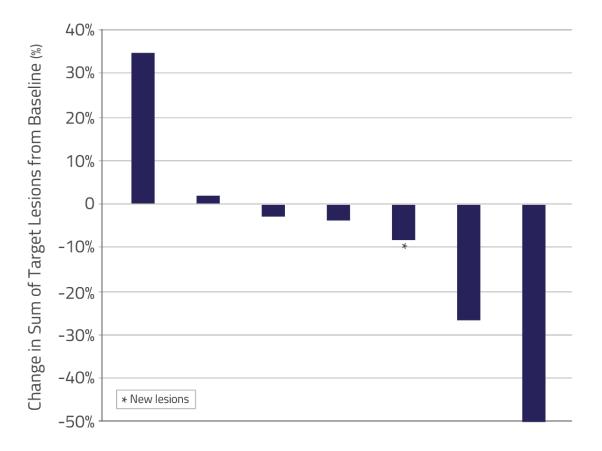
Most frequent (≥10% population) NUC-7738 ± pembrolizumab related adverse events





NUC-7738 + pembrolizumab achieved encouraging signs of anti-tumor activity in patients who had received ≥1 prior line of immunotherapy

Patient previously refractory to nivolumab + ipilimumab had a 50% reduction

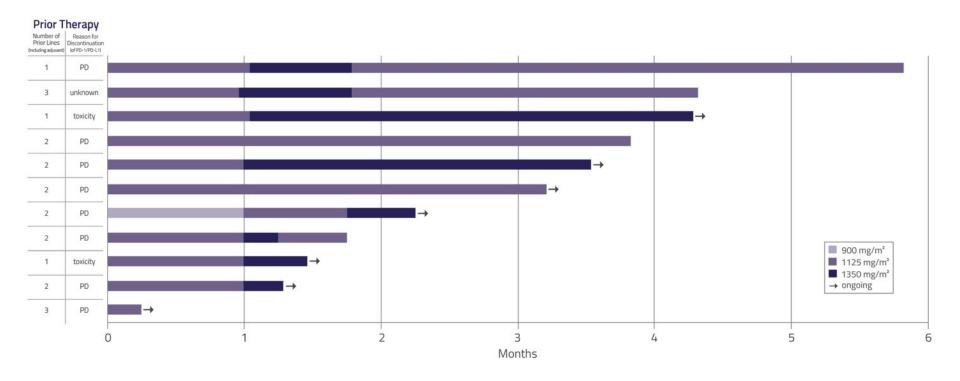






Promising Progression Free Survival in patients who had received ≥1 prior line of immunotherapy

The majority of patient achieved PFS >3 months with 7 of the 11 patients remaining on therapy



NUC-7738



Worldwide exclusive rights for all programs: 844 granted patents and 263 pending applications*

Key Patents	Status	Expiration ⁺ (excluding any extensions)	Territories
NUC-3373	157 granted, 95 pending, including:		
Composition of matter	Granted (US, EP, JP)	2032	+ others
Formulation	Granted (JP), Pending (US, EP)	2036	+ others
Manufacturing process	Pending	2043	+ others
Use	Pending	2037 / 2038	+ others
NUC-7738	77 granted, 36 pending, including:		
Composition of matter	Granted (US, EP, JP)	2035	+ others
Formulation	Pending	2036	+ others
Manufacturing process	Pending	2038	+ others
Use	Pending	2038	+ others
-ACELAPIN	493 granted, 94 pending, including:		
Composition of matter	Granted (US, EP), Pending (JP)	2033 / 2035	+ others
Formulation	Granted (US, EP, JP)	2035	+ others
Manufacturing process	Granted (US, EP, JP)	2035 / 2036	+ others
Use	Granted (US, EP, JP)	2035 / 2038	+ others

*As of March 29, 2023

*Expiration for pending patents if granted

NUC-3373	PHASE	INDICATION	COMBINATION	MILESTONE		
NUTIDE 302 Study	Phase 2	Colorectal Cancer	irinotecan bevacizumab	NUFIRI + bev data		
NOTIDE 302 study			oxaliplatin bevacizumab	NUFOX + bev data		
NUTIDE 323 Study Phase 2 randomized		Colorectal Cancer irinotecan second-line bevacizumab		Randomized data: NUFIRI + bev vs. FOLFIRI + bev		
NUTIDE 303 Study	Phase 1b	Solid Tumors	pembrolizumab	NUC-3373 + pembrolizumab data		
		Lung Cancer	docetaxel	NUC-3373 + docetaxel data		

NUC-7738					
	Dhace 2	Solid Tumors	monotherapy	NUC-7738 data	
NUTIDE 701 Study	Phase 2	Solid Tumors	pembrolizumab	NUC-7738 + pembrolizumab data	

Improving Survival Outcomes

Harnessing phosphoramidate chemistry to establish a new era in oncology

Strong IP Protection

Worldwide exclusive rights

Significant Milestones

Numerous value inflection points throughout 2024

Cash Runway into 2025

Nasdaq : NCNA

Experienced Team

Accomplished management team Backed by leading biotech investors

NUC-3373 Seeking to Replace 5-FU

Targeted & more potent TS inhibitor Encouraging signs of efficacy including extended PFS Favorable safety profile & improved dosing schedule

NUC-3373 • Addressing Blockbuster Market Opportunities

CRC is the 3rd most common cancer 5-FU is the global standard of care Ongoing randomized Phase 2 study

NUC-7738 Novel Anti-Cancer Medicine

Differentiated mode of action Encouraging signs of efficacy Favorable safety profile Potential to sensitize tumors to IO therapy

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