

# NUCANA

A New Era in Oncology

Corporate Presentation

February 2021

[www.nucana.com](http://www.nucana.com)



# Disclaimer

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## Forward-Looking Statements

This presentation contains “forward-looking” statements within the meaning of the Private Securities Litigation Reform Act of 1995 that are based on the beliefs and assumptions and on information currently available to management of NuCana plc (the “Company”). All statements other than statements of historical fact contained in this presentation are forward-looking statements. Forward-looking statements include information concerning the company’s planned and ongoing preclinical and clinical studies for the Company’s product candidates and the potential advantages of those product candidates, including Acelarin, NUC-3373 and NUC-7738; statements concerning the potential for any future follow-up analyses by the study sponsor of the ACELARATE study of Acelarin in pancreatic cancer and the potential for any further development of Acelarin in that indication; the Company’s plans to develop Acelarin in additional indications and, in particular, its plans to develop Acelarin in combination with platinum-containing agents; the initiation, enrollment, timing, progress, release of data from and results of the Company’s planned and ongoing clinical studies; the impact of COVID-19 on its preclinical studies, clinical studies, business, financial condition and results of operations; the utility of prior preclinical and clinical data in determining future clinical results; the timing or likelihood of regulatory filings and approvals for any of its product candidates; the Company’s intellectual property; the amount and sufficiency of the Company’s cash and cash equivalents to achieve its projected milestones; and estimates regarding the Company’s expenses, future revenues and future capital requirements. In some cases, you can identify forward-looking statements by terminology such as “may,” “will,” “should,” “expects,” “plans,” “anticipates,” “believes,” “estimates,” “predicts,” “potential” or “continue” or the negative of these terms or other comparable terminology.

Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the Company’s actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. These risks and uncertainties include, but are not limited to, the risks and uncertainties set forth in the “Risk Factors” section of our Annual Report on Form 20-F for the year ended December 31, 2019 filed with the Securities and Exchange Commission (“SEC”) on March 10, 2020, and subsequent reports that the Company files with the SEC.

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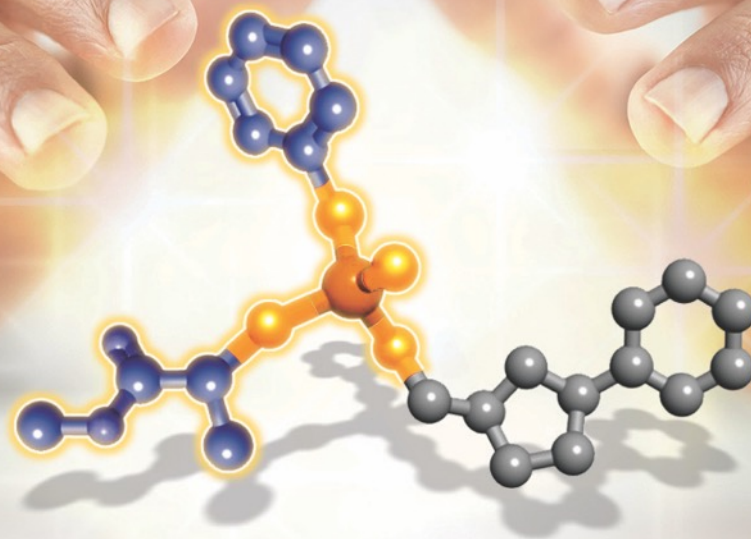
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# Harnessing the Power of Phosphoramidate Chemistry

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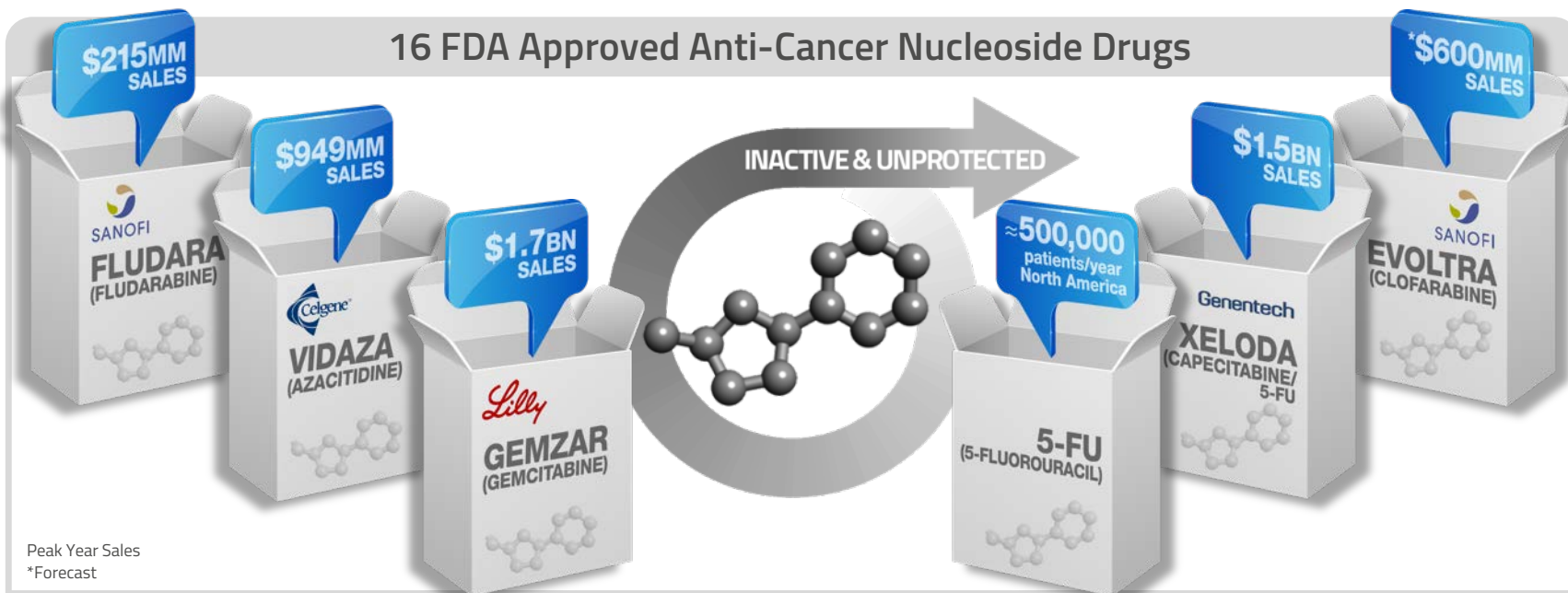
PROTIDES



A New Era in Oncology

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# Nucleoside Analogs: Flawed ProDrugs



## Limitations of Nucleoside Analogs

### Uptake

Dependent on membrane transporters to enter cancer cells

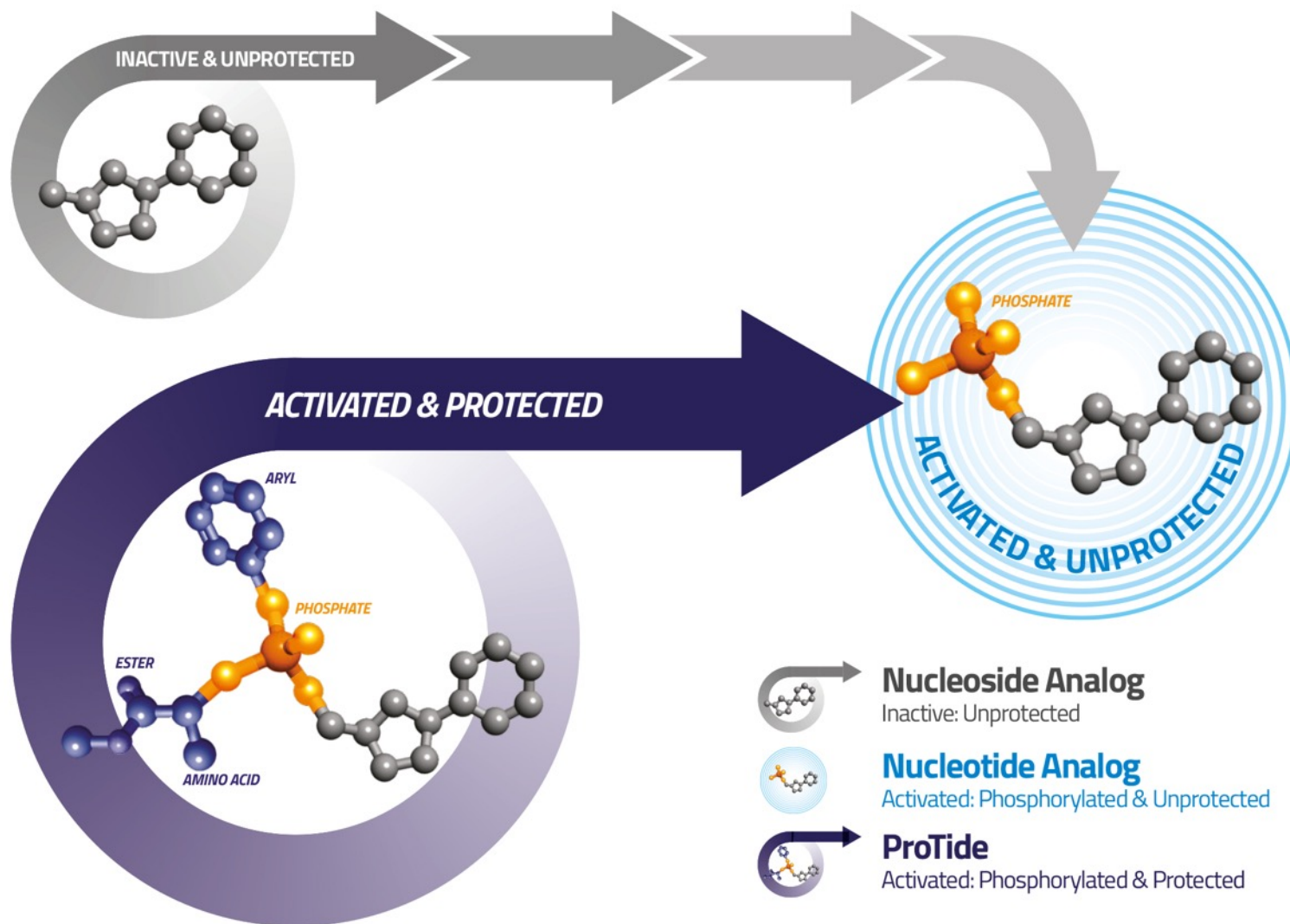
### Activation

Requires phosphorylation within cancer cells to exert anti-cancer activity

### Breakdown

Subject to breakdown & generation of toxic byproducts

# Transforming Nucleoside Analogs into ProTides





**\$63**  
billion\*

**SOVALDI®**  
SOFOSBUVIR  
Hepatitis C



**\$36**  
billion\*\*

**TAF**  
H.I.V.



**\$2.8**  
billion#

**Veklury®**  
remdesivir  
COVID-19



**Transforms Therapeutic Index**

**Overcomes Viral Resistance Mechanisms**

\* Sovaldi + Harvoni + Epclusa + Vosevi cumulative sales through June 30, 2020

\*\* Genvoya + Descovy + Odefsey + Biktarvy + Symtuza cumulative sales through June 30, 2020

# Projected 2020: The Wall Street Journal, July 30, 2020

**50%**  
Overall  
Response  
Rate<sup>1</sup>

**300x**  
More potent  
than  
5-FU<sup>2</sup>

**185x**  
More potent  
than  
3'-dA<sup>3</sup>

## ACELARIN



## NUC-3373



## NUC-7738



### Transforms Therapeutic Index

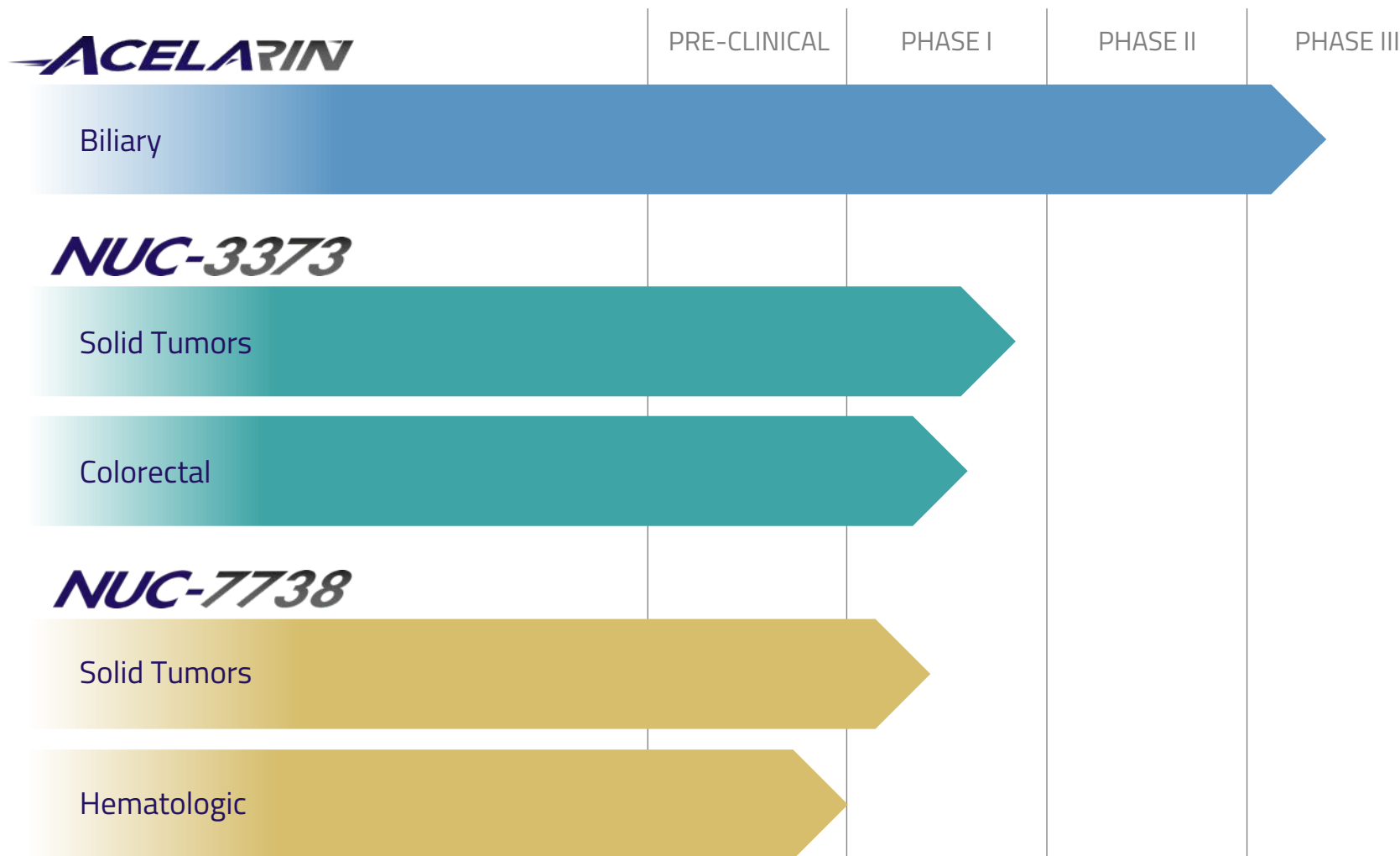
### Overcomes Cancer Resistance Mechanisms

<sup>1</sup> Patients with advanced biliary tract cancers (n=14) - McNamara *et al* ESMO October 2018

<sup>2</sup> Pre-clinical data - Ghazaly *et al* ESMO September 2017

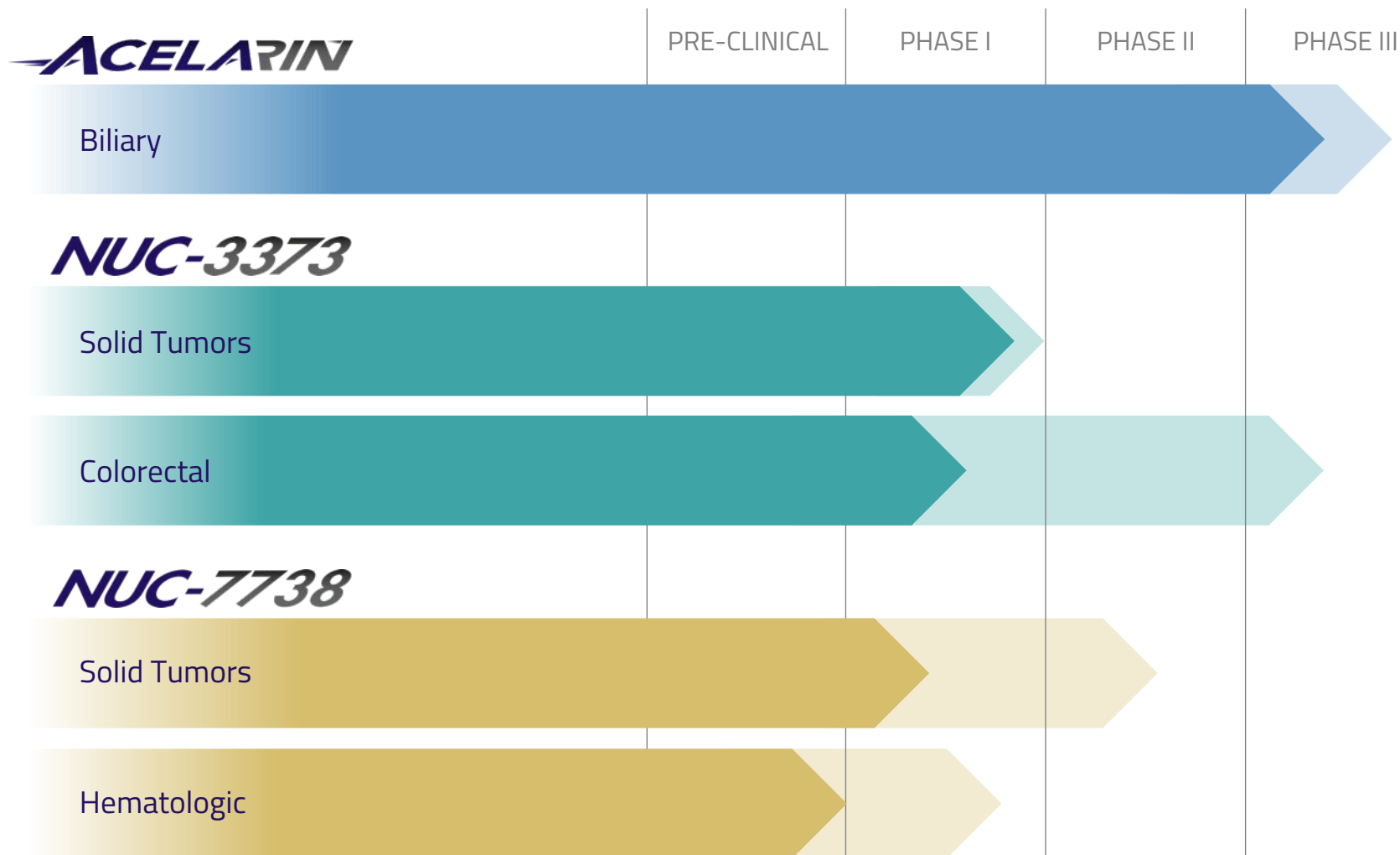
<sup>3</sup> Pre-clinical data - Symeonides *et al* ESMO September 2020

## Development Status: Current





## Development Status: Planned End 2021



# Strong Balance Sheet & Multiple Inflection Points



**Cash & Cash Equivalents**  
at September 30, 2020  
~\$130 million\*

**Important Data Readouts**  
*throughout*  
2021 & 2022

\*Based on exchange rate of £1.00 to \$1.29 at September 30, 2020

## Well Capitalized to Achieve Key Milestones

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**ACELARIN**

- Complete ongoing Phase III BTC study (NuTide:121)
- **File NDA for BTC**

**NUC-3373**

- Complete ongoing Phase I solid tumor study (NuTide:301)
- Complete ongoing Phase Ib CRC study (NuTide:302)
- Complete Phase Ib expansion / Phase II CRC study
- Initiate and complete Phase III CRC study
- **File NDA for CRC**

**NUC-7738**

- Complete ongoing Phase I study (NuTide:701)
- Initiate and complete Phase II study

# ***ACELARIN***

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A transformation of gemcitabine

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# ACELARIN: Overview of Gemcitabine



- WHO list of essential medicines
- First approved for medical use in 1995
- Approved in pancreatic, ovarian, breast & lung
- Widely used in other cancers
- Peak annual sales of \$1.7 billion



## Limitations of Gemcitabine



### Uptake

Dependent on membrane transporters to enter cancer cells



### Breakdown

Subject to breakdown and generation of toxic byproducts

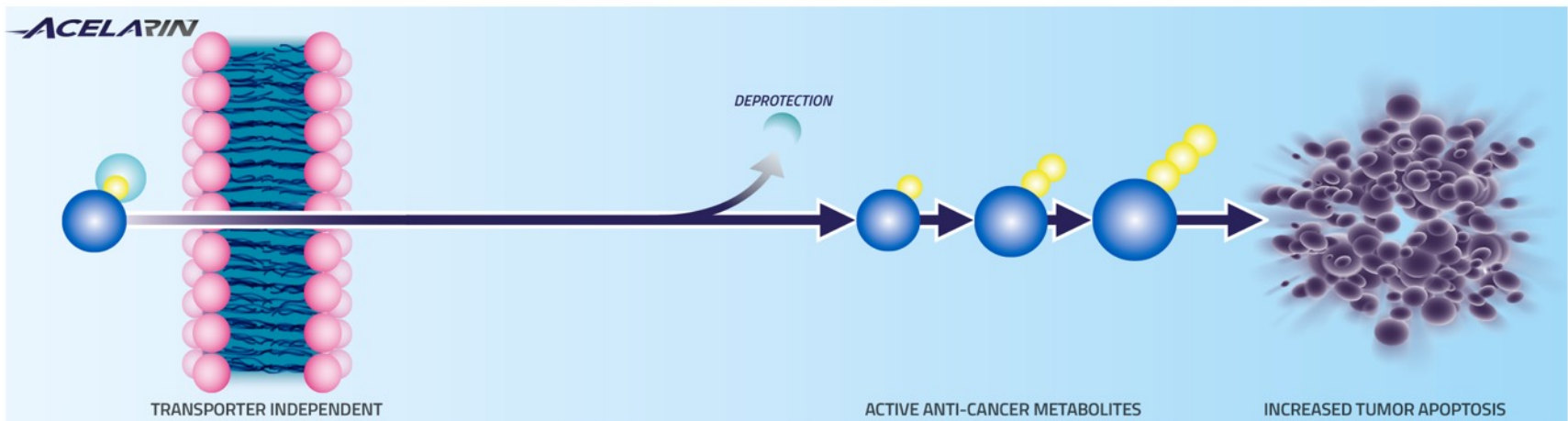
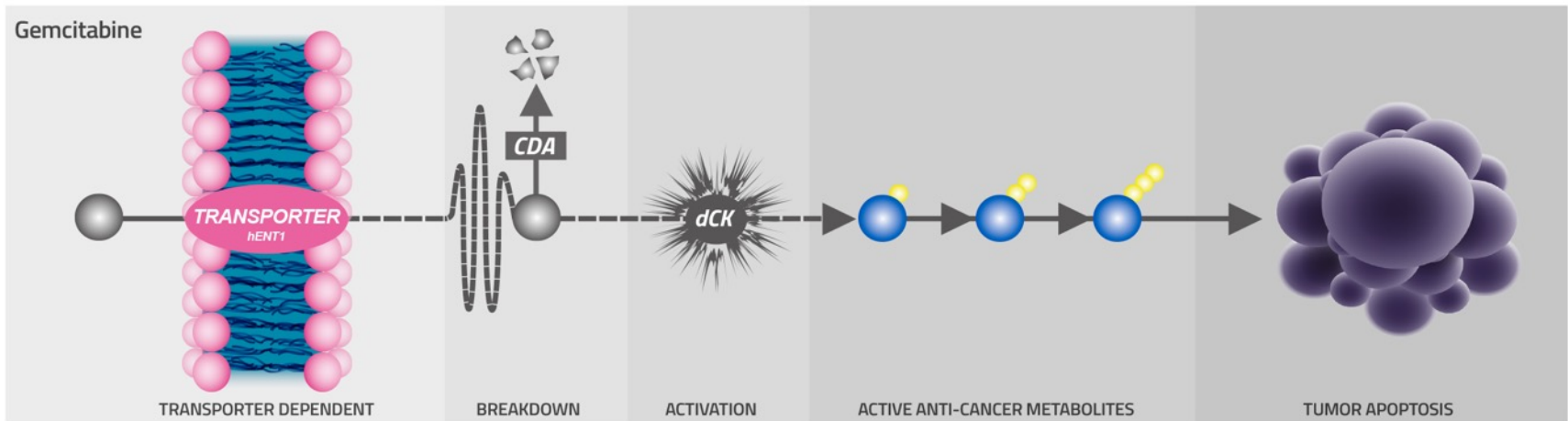


### Activation

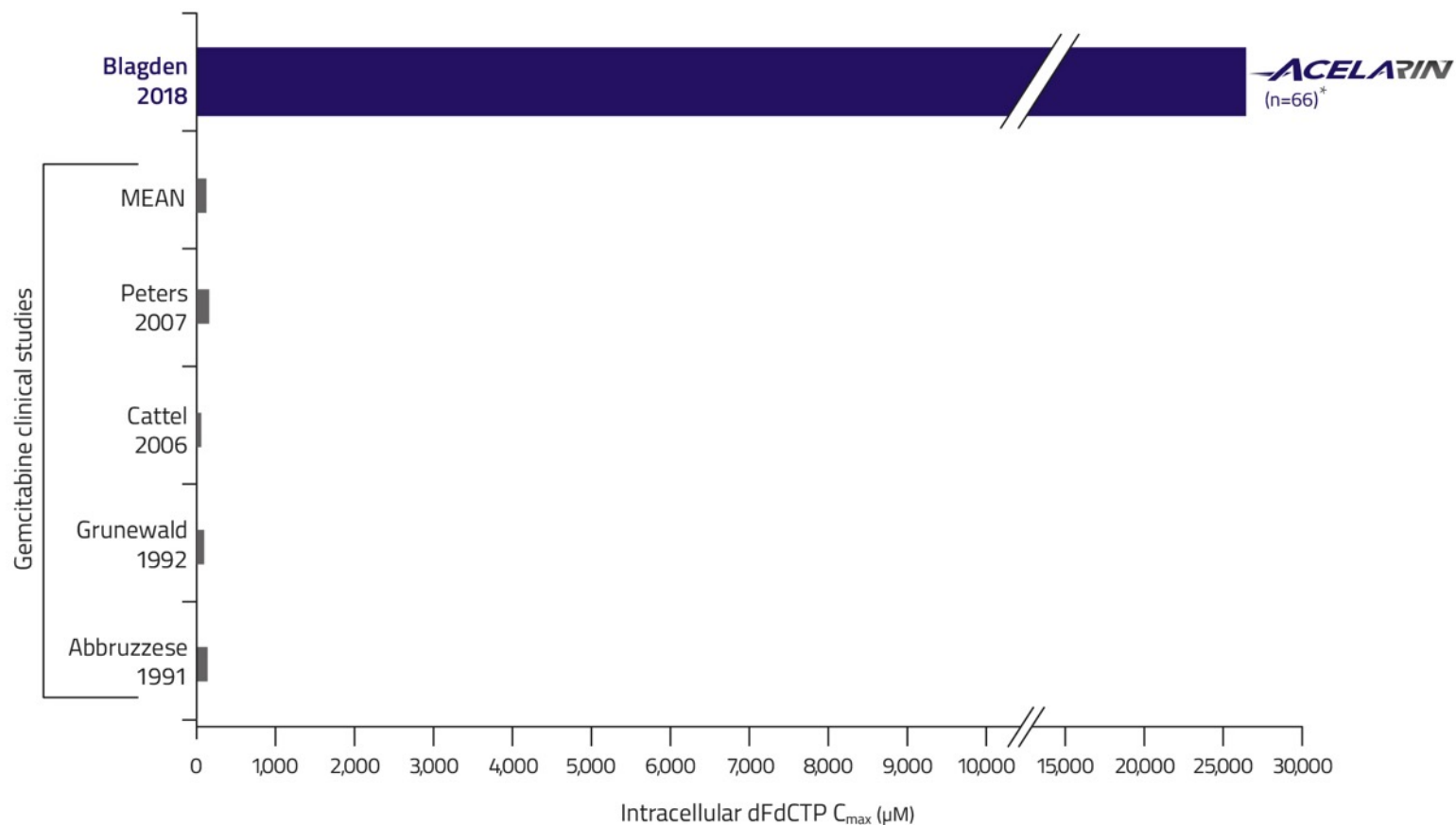
Requires phosphorylation within cancer cells to exert anti-cancer activity



# ACELARIN: Overcomes The Key Cancer Resistance Mechanisms



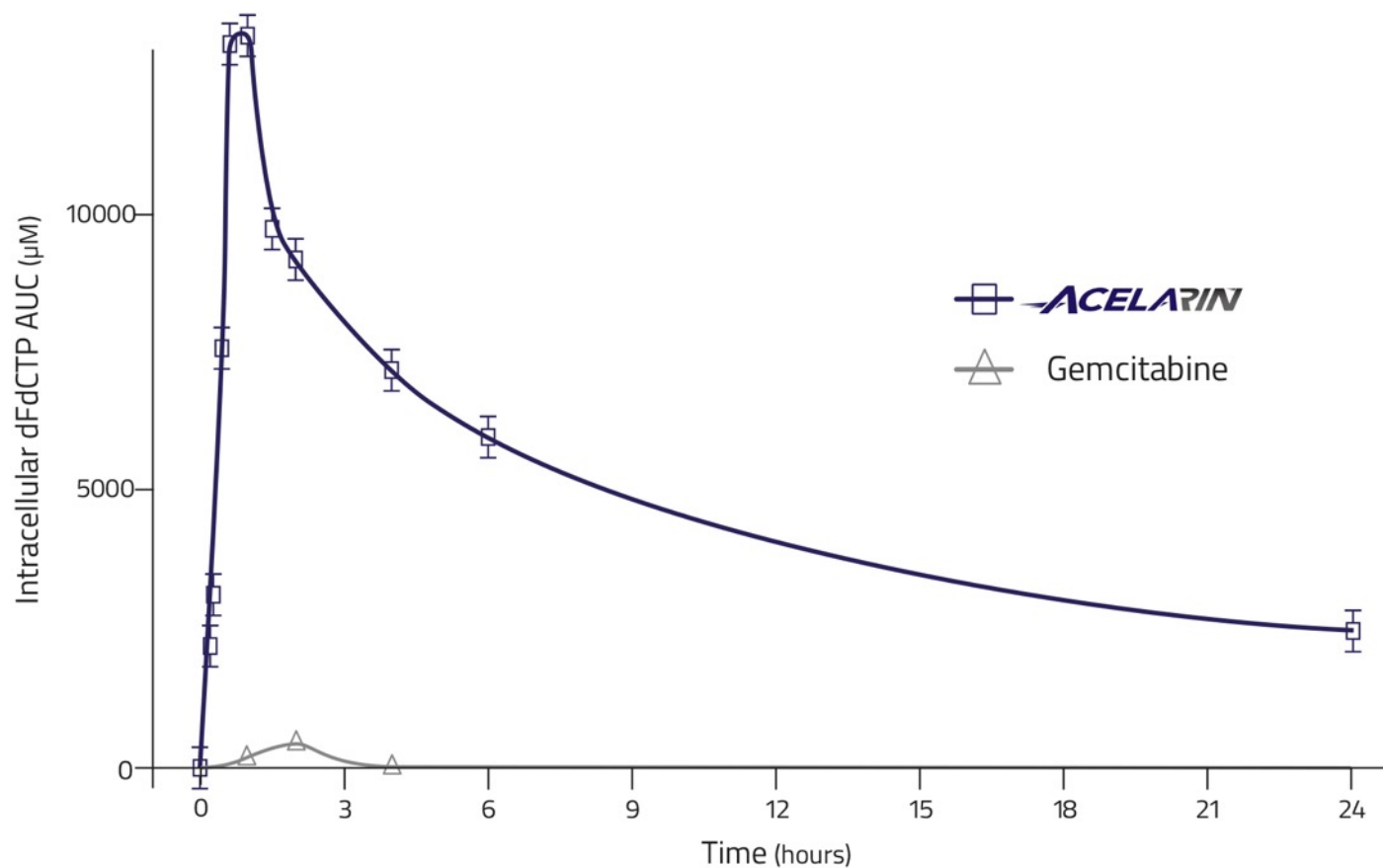
## ACELARIN: Very High Intracellular dFdCTP ( $C_{\max}$ )



**ACELARIN** achieved **217x** higher intracellular levels of dFdCTP than gemcitabine

Equimolar dose comparison  
\*Blagden *et al* (2018). *Br J Cancer*; 119:815-822

## ACELARIN: Very High Intracellular dFdCTP (AUC)



**ACELARIN** achieved **139x** greater intracellular AUC of dFdCTP than gemcitabine

Blagden et al (2015). *J Clin Oncol*; 33; Suppl Abstract ID: 2547 (ASCO poster 263, 30th May, 2015)  
Cattell et al (2006). *Annals Onc* (suppl); 17: v142-v147  
Blagden et al (2018). *Br J Cancer*; 119:815-822

## ACELARIN: Phase 1 Study (monotherapy)



- Phase 1 dose-escalation study in patients with advanced solid tumors
- All patients had metastatic spread
- Rapidly progressing disease
- Exhausted all other therapeutic options
- Objective: Recommended Phase 2 dose

**PRO-001**

Number  
of  
patients

**68**

Evaluable  
patients  
( $\geq 2$  cycles)

**49**

Primary  
cancer  
types

**19**

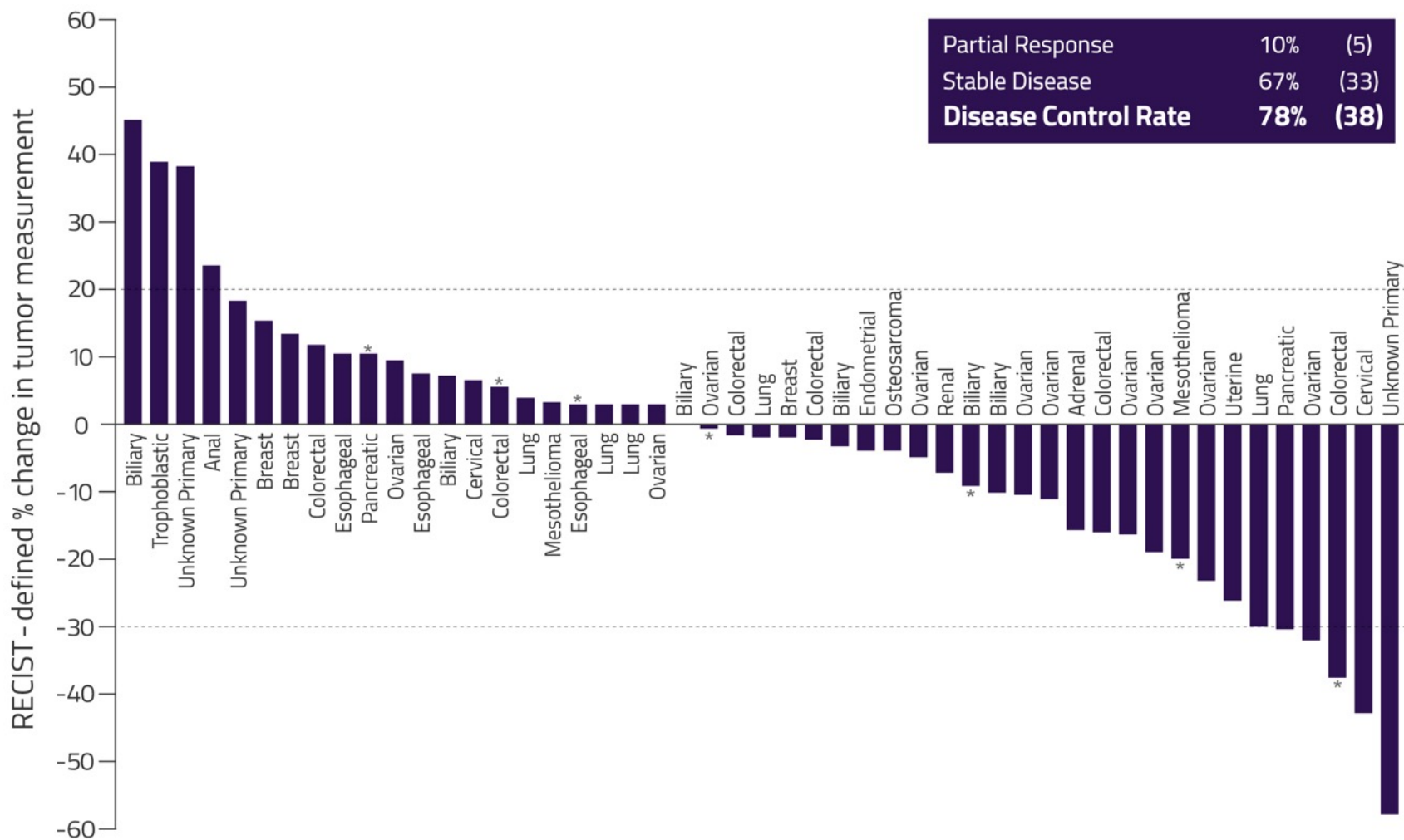
Age  
(median)

**56**  
(range 20-83)

Prior  
chemotherapy  
regimens

**3**  
(range 1-10)

# ACELARIN: PRO-001 Study Best Overall Response (monotherapy)



Evaluable patients (n=49)  
 Blagden *et al* (2018). *Br J Cancer*, 119:815-822  
 \*New Lesion

**PRO-001**



# ACELARIN: Ovarian Phase 1b Study (combination)



- Combination: Acelarin + carboplatin
- Dose escalation: 3 + 3
  - Acelarin: 500 mg/m<sup>2</sup> to 750 mg/m<sup>2</sup>
  - Carboplatin: AUC 4 to 5
- All patients had metastatic spread
- Rapidly progressing disease
- Objective: Recommended Phase 2 dose

## PRO-002

Number  
of  
patients

25

Evaluable  
patients  
(≥1 cycle)

23

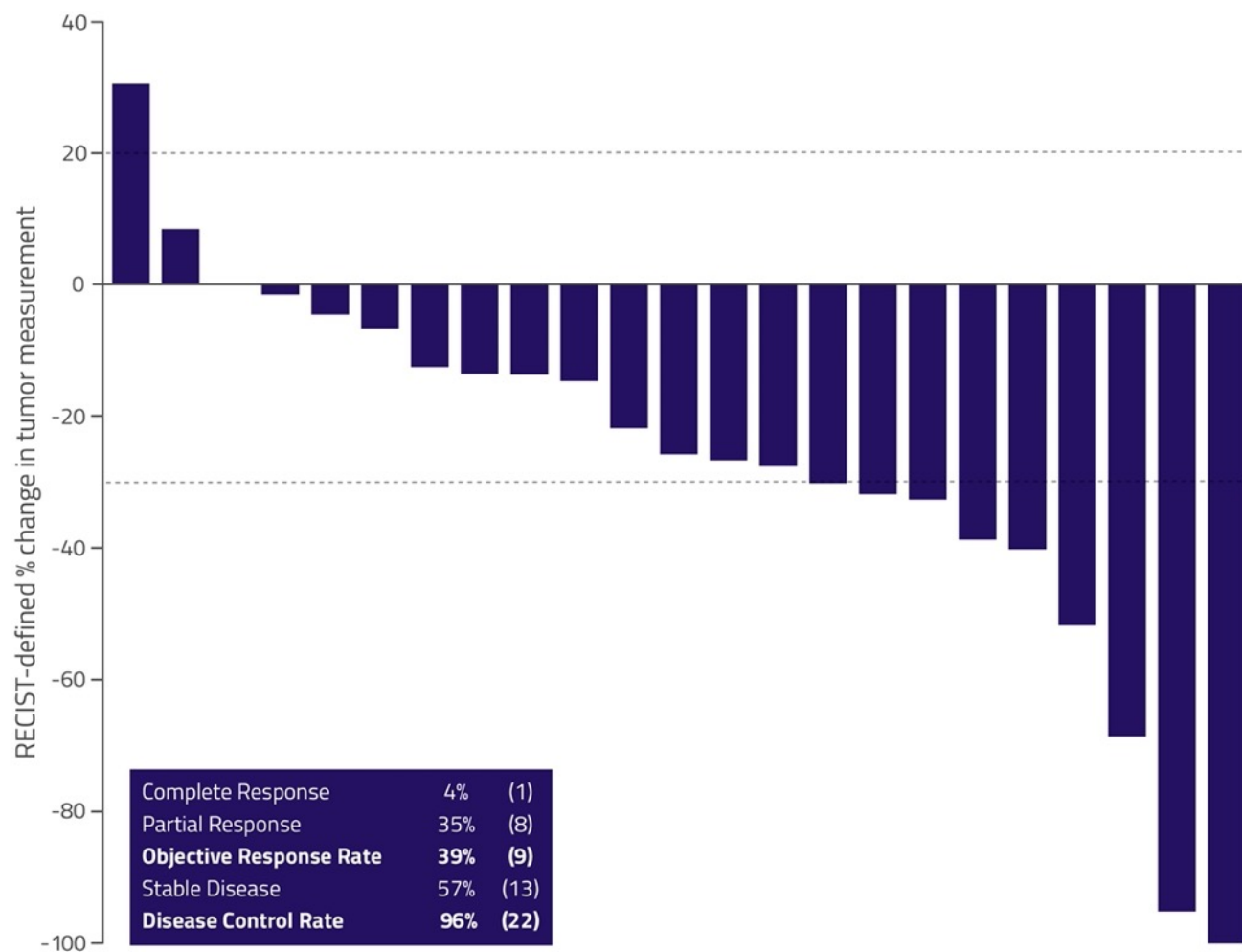
Age  
(median)

64  
(range 37-77)

Prior  
chemotherapy  
regimens

3  
(range 2-6)

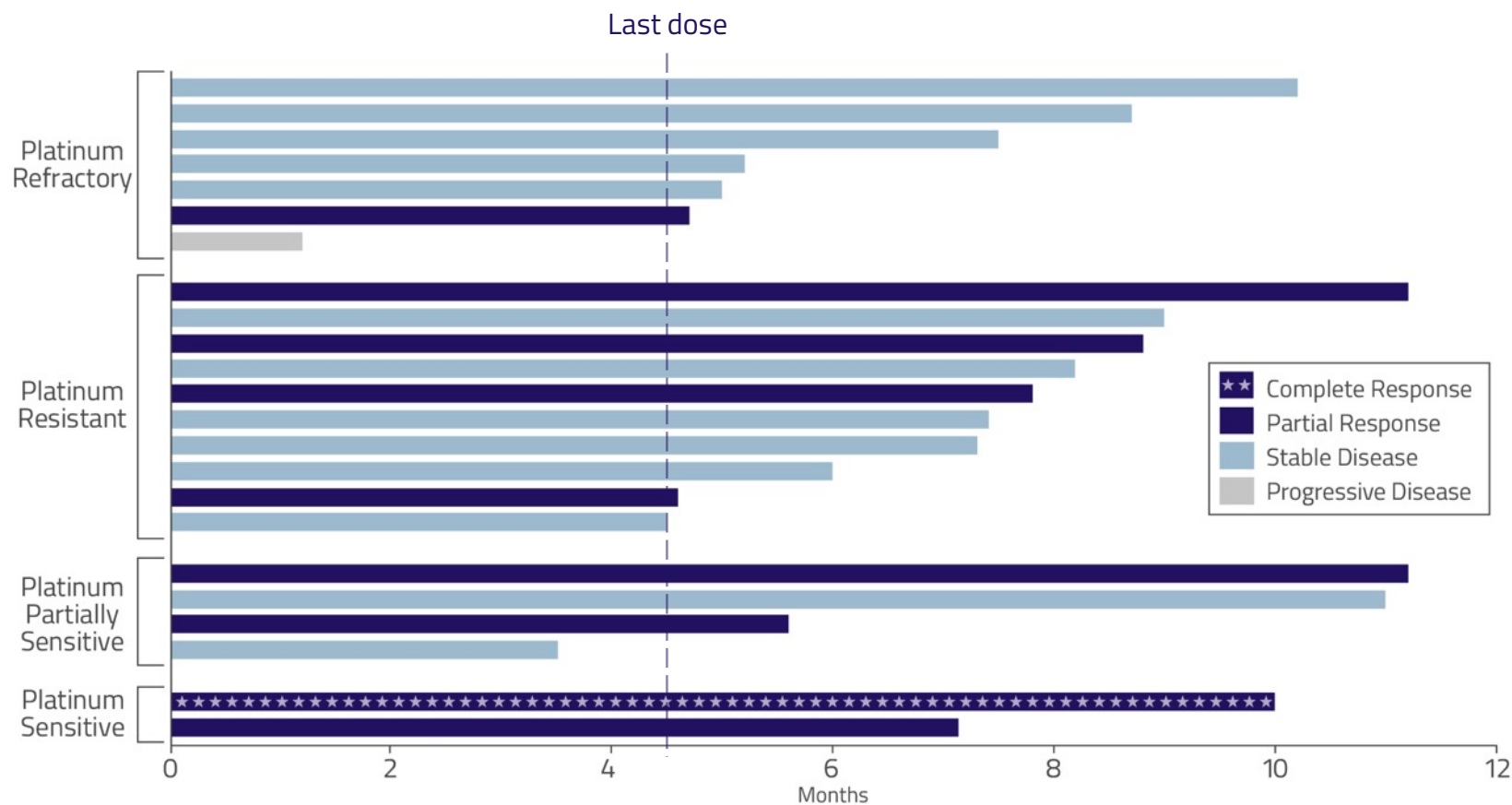
# ACELARIN: PRO-002 Study Best Overall Response (combination)



Evaluable patients (n=23)  
 Blagden *et al* (2017). *Ann Oncol*; 28; Suppl 5 Abstract ID: 968P (ESMO poster 968-P, 9<sup>th</sup> Sept, 2017)  
 Data as of Sep 1, 2017

**PRO-002**

# ACELARIN: PRO-002 Study PFS by Platinum Status (combination)



Evaluable patients (n=23)  
 Blagden *et al* (2017). *Ann Oncol*; 28; Suppl 5 Abstract ID: 968P (ESMO poster 968-P, 9<sup>th</sup> Sept, 2017)  
 Data as of Sep 1, 2017

**PRO-002**

## ACELARIN: Biliary Phase 1b Study (combination)



- First-line treatment
- Locally advanced or metastatic biliary tract cancer
- Objectives: Safety & Dose Selection
  - Cohort 1: Acelarin 625mg/m<sup>2</sup> + cisplatin 25mg/m<sup>2</sup> (n=8)
  - Cohort 2: Acelarin 725mg/m<sup>2</sup> + cisplatin 25mg/m<sup>2</sup> (n=6)
  - Cohort 3: Acelarin 625mg/m<sup>2</sup> + cisplatin 25mg/m<sup>2</sup> (n=7)

**ABC-08**

Number  
of  
patients

21

Evaluable  
patients\*

16

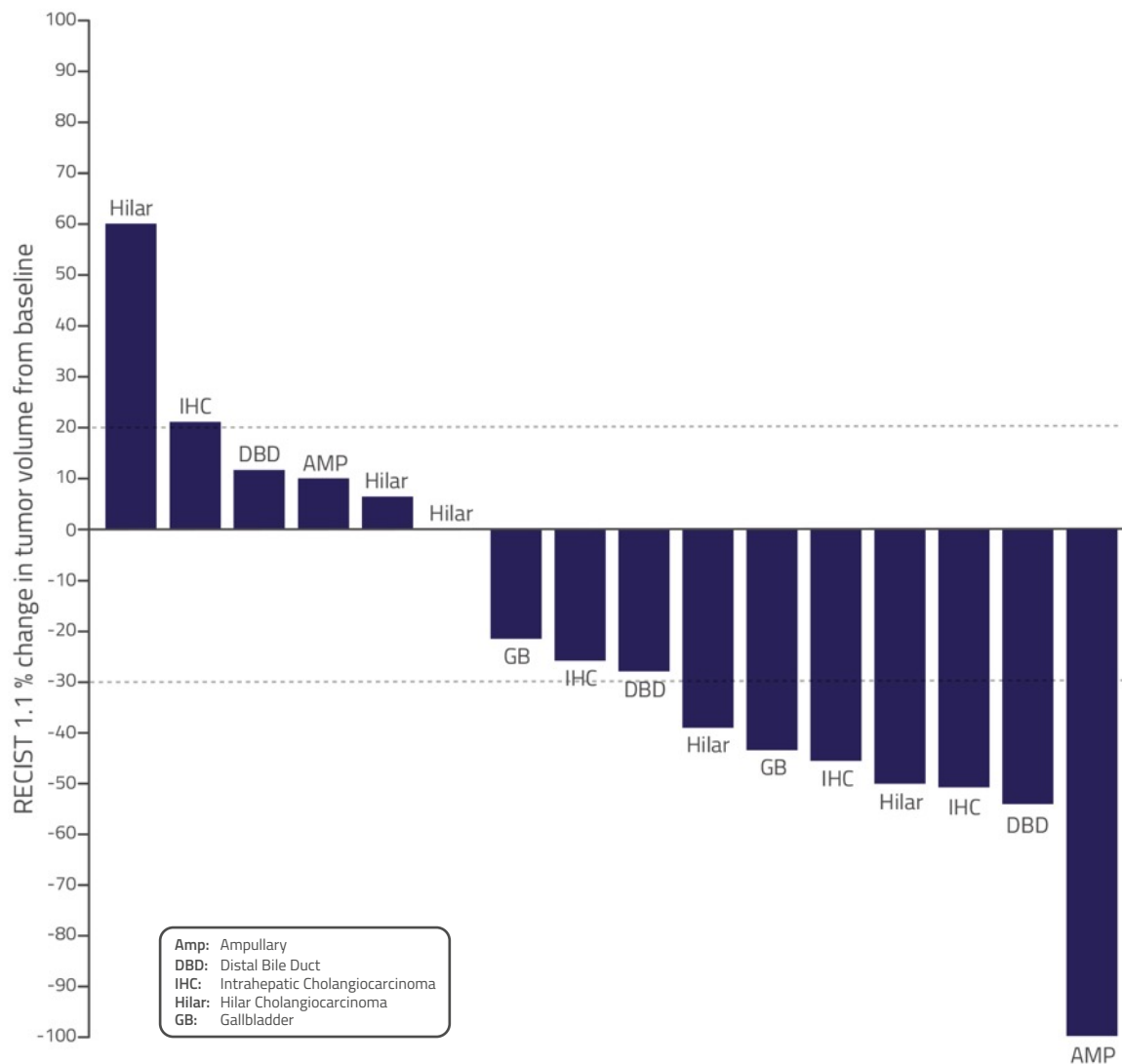
Age  
(median)

61  
(range 47-78)

McNamara *et al* (2020) The Oncologist;25: 1-10

\* Efficacy evaluable patients: measurable disease at baseline; ≥1 cycle Acelarin; ≥1 follow-up radiographic assessment

# ACELARIN: ABC-08 Best Overall Response

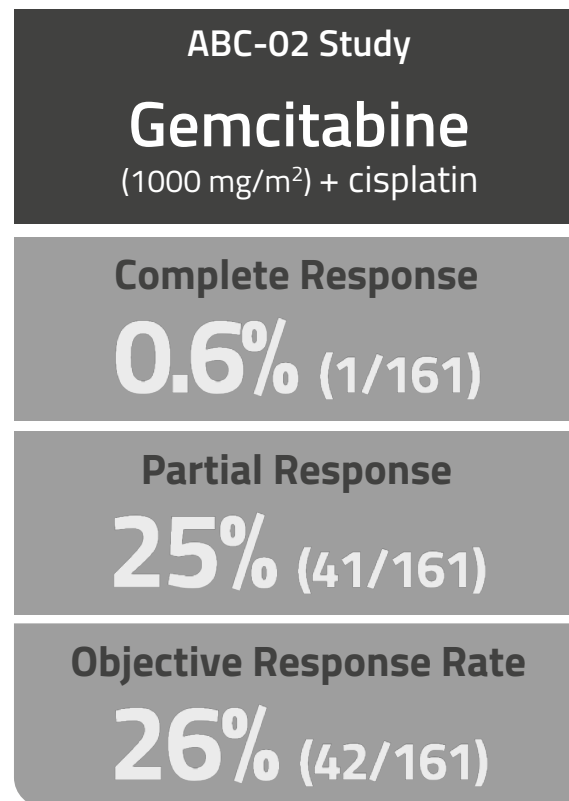
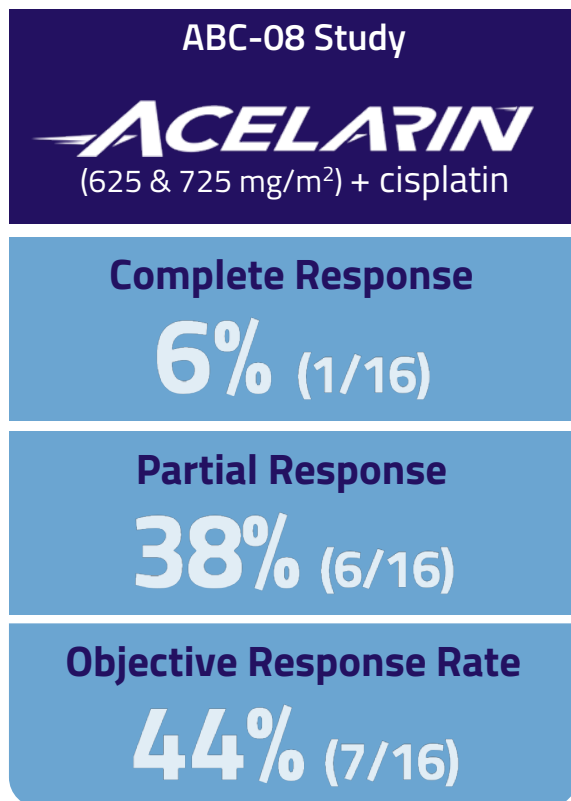


**ABC-08**

Efficacy evaluable population  
 McNamara *et al* (2020) The Oncologist;25: 1-10



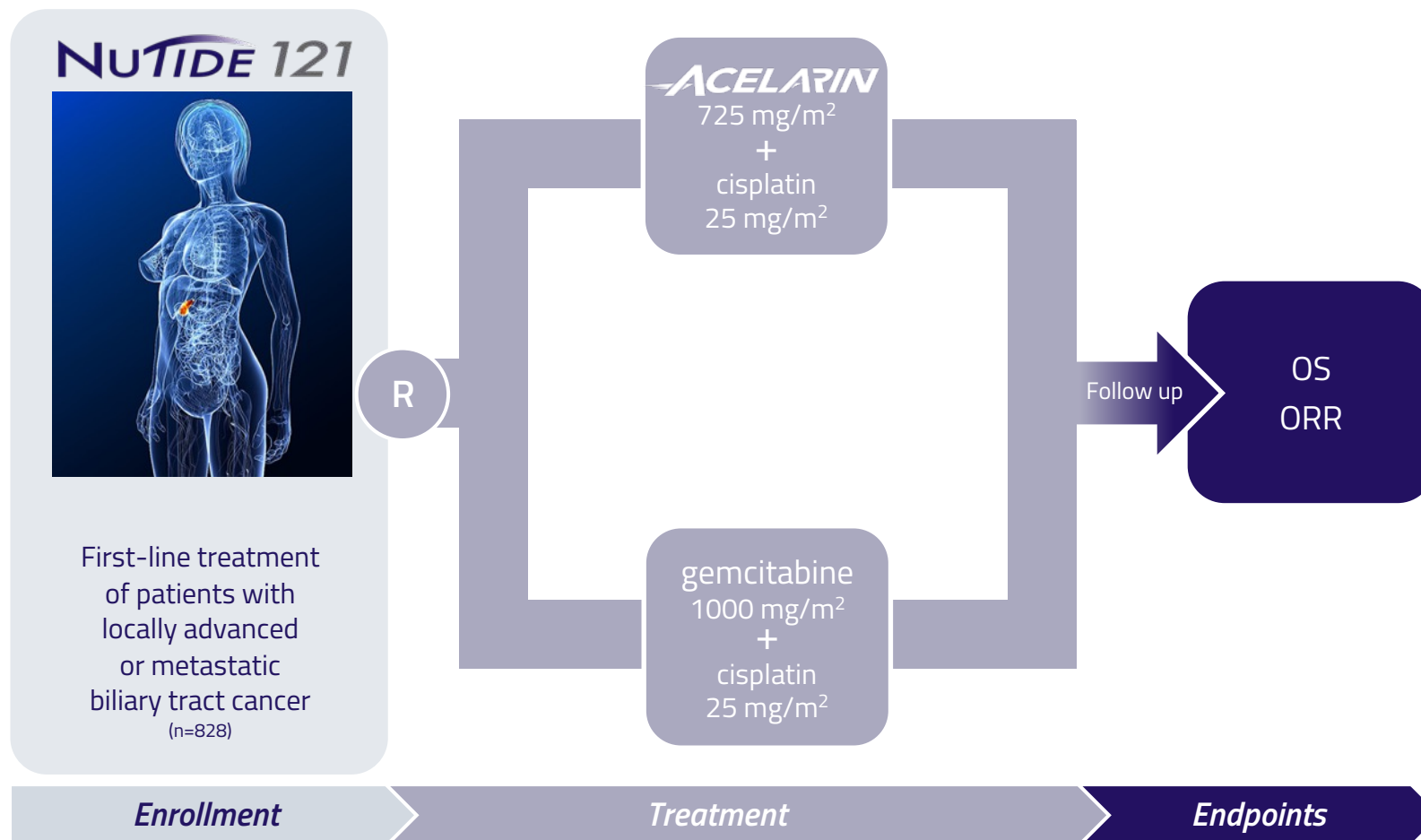
# **ACELARIN**: ABC-08 and ABC-02 Comparison



Efficacy Evaluable Population  
McNamara *et al* (2020) *The Oncologist*;25: 1-10  
Valle *et al* (2010). *N Eng J Med*; 362: 1273-1281

**ABC-08**

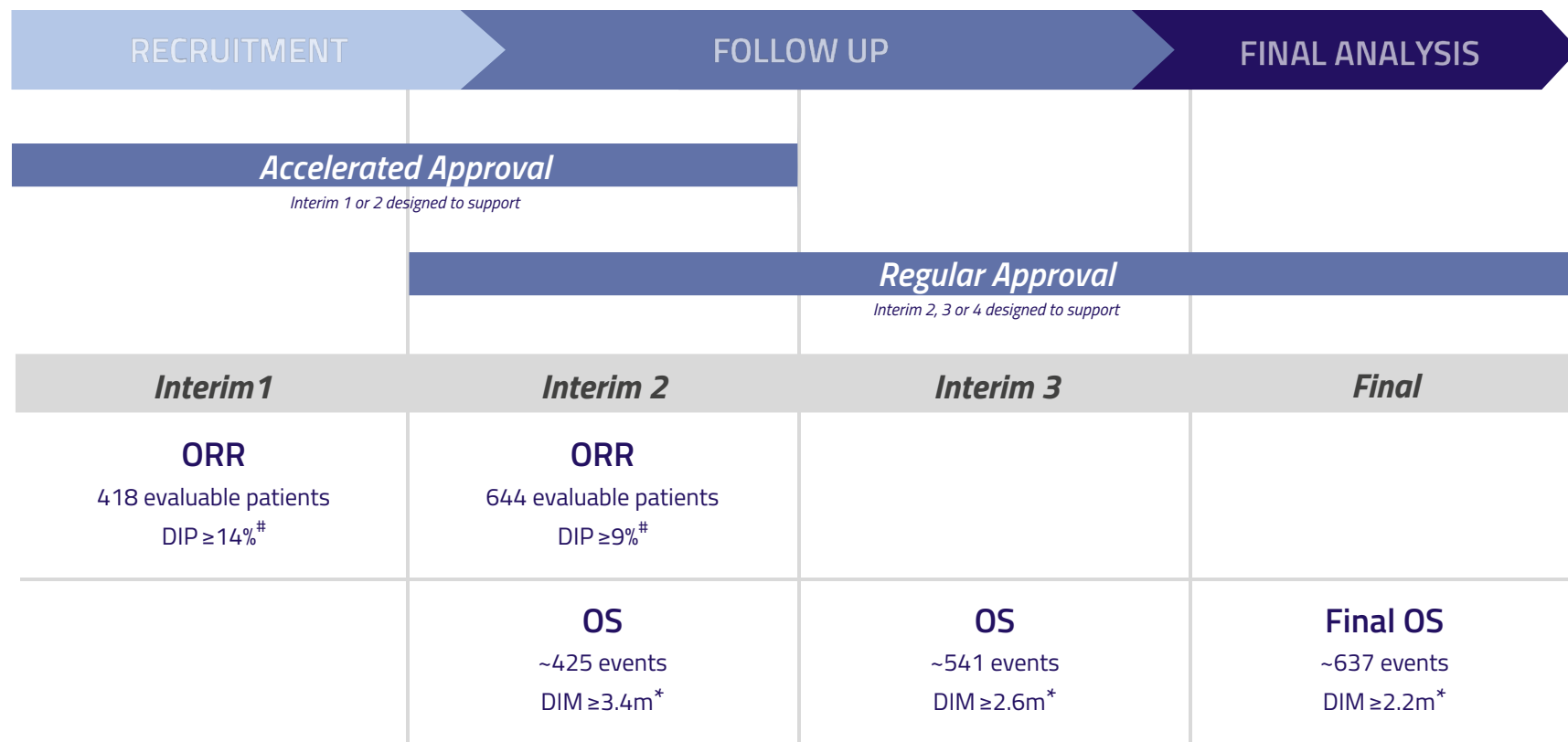
# ACELARIN: Ongoing Biliary Phase 3 Study



**NUIDE 121**

# ACELARIN: Biliary Phase 3 Study (Statistical Plan)

Primary Endpoints: OS; ORR



<sup>#</sup> DIP = Difference in observed proportions (vs. an estimated 19.0%) for statistical significance. Measurable disease at baseline and  $\geq 28$  weeks follow-up.

<sup>\*</sup> DIM = Difference in observed medians (vs. an estimated 11.7 months) for statistical significance.

**NU TIDE 121**

# ***NUC-3373***

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A transformation of 5-FU

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# NUC-3373: Overview of Fluorouracil (5-FU)



- WHO list of essential medicines
- First approved for medical use in 1962
- ~500,000 patients receive 5-FU annually in North America
- Unpredictable PK profile
- 10-15% Overall Response Rate (colorectal cancer)

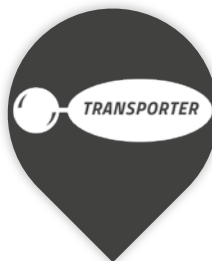


## Limitations of Fluorouracil (5-FU)



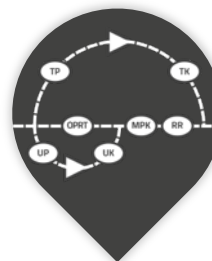
### Breakdown

>85% breakdown by DPD, generating toxic byproducts



### Transport

Requires active transport



### Activation

Multi-step phosphorylation process

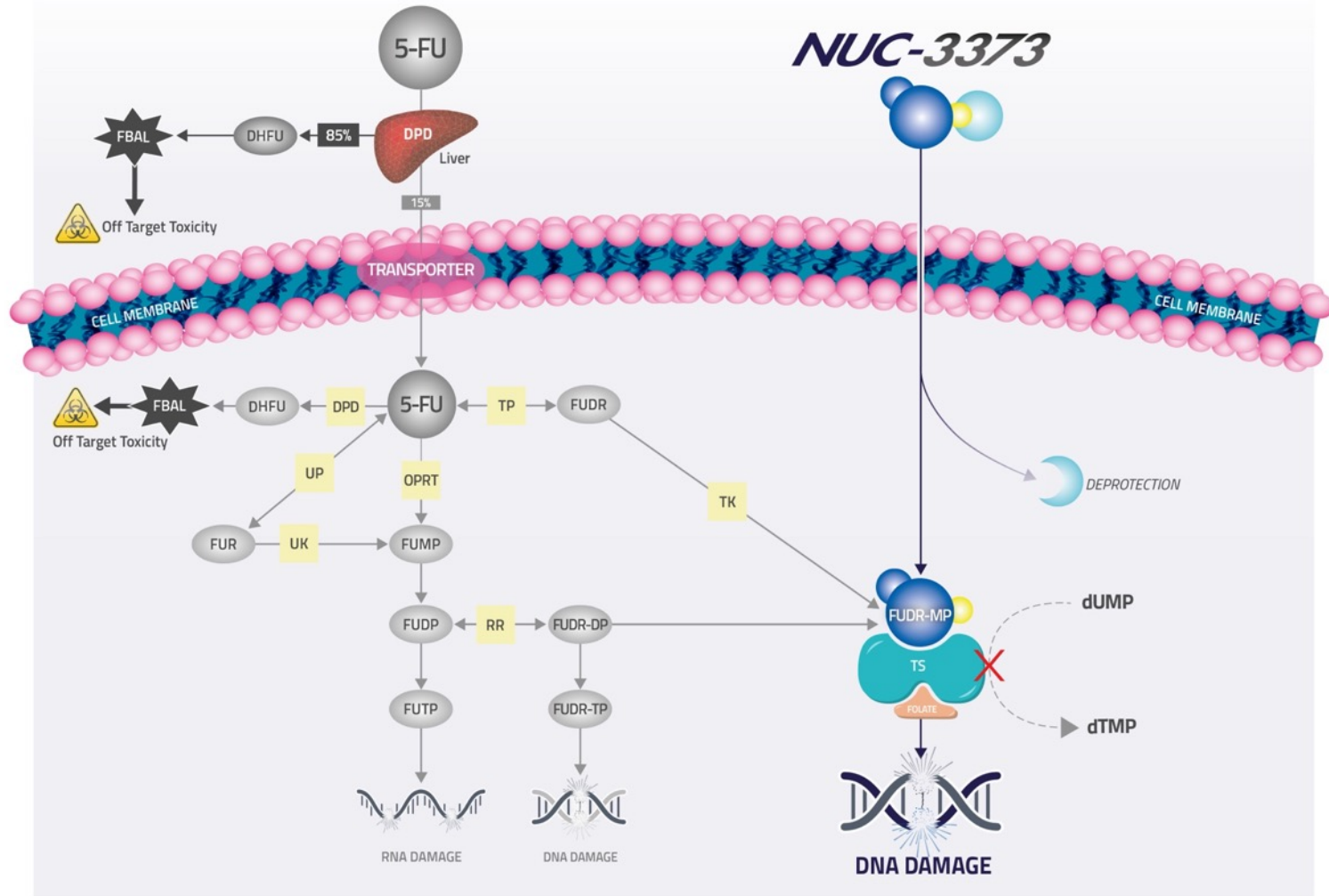


### Dosing

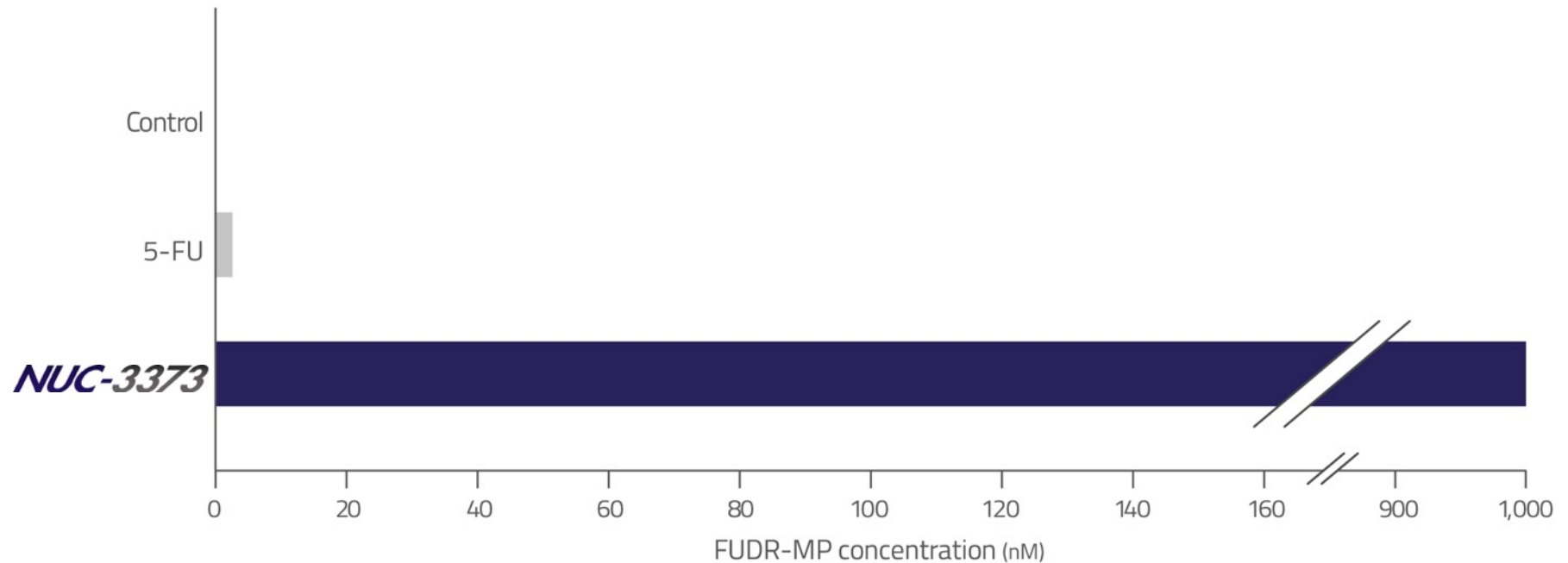
46-hour continuous infusion



# ***NUC-3373***: 5-FU Metabolism and Mechanism of Action Comparison



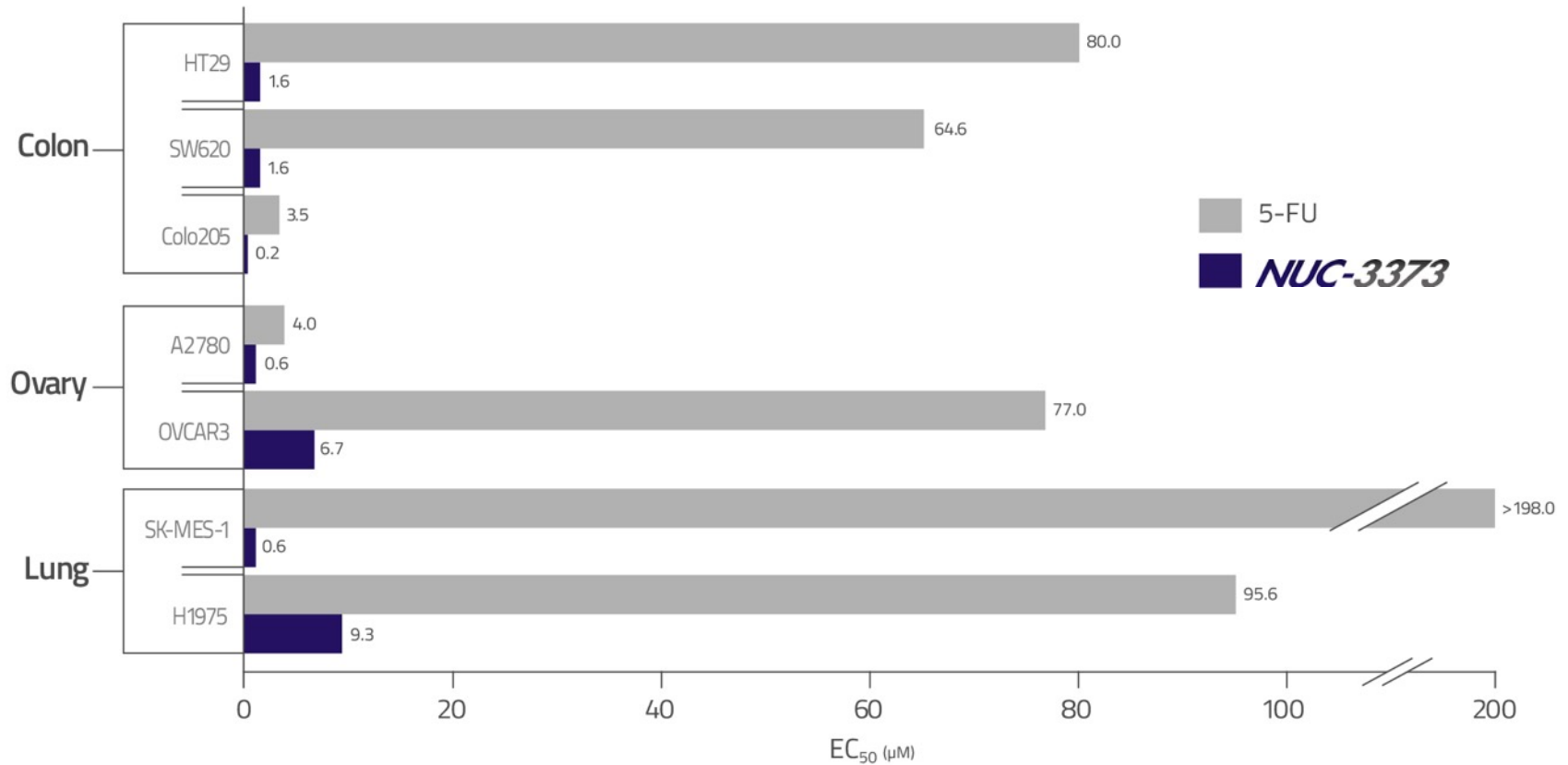
## ***NUC-3373***: Very high Intracellular FUDR-MP (pre-clinical)



***NUC-3373*** generated **366x** higher levels of active anti-cancer metabolite FUDR-MP than 5-FU

Equimolar dose comparison  
Ghazaly *et al* (2017). *Ann Oncol*; 25: Suppl 5 Abstract ID:385P ESMO poster 385-P, 11<sup>th</sup> Sept, 2017)

## ***NUC-3373***: Greater Anti-Cancer Activity than 5-FU (pre-clinical)



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

# NUC-3373: Ongoing Phase 1 Study



- Phase 1 dose-escalation study in patients with advanced solid tumors
- All patients have metastatic spread
- Rapidly progressing disease
- Exhausted all other therapeutic options
- Objective: Recommended Phase 2 dose + schedule

## NUtIDE 301

Number of  
patients  
(enrolled to date)

36

Age  
(median)

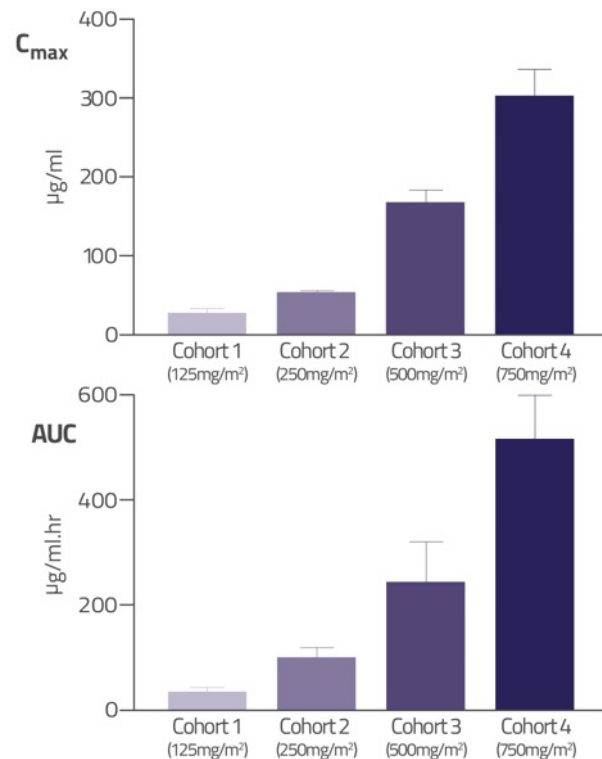
60  
(range 21-78)

Prior  
chemotherapy  
regimens

3  
(range 1-6)

# NUC-3373: Phase 1 Study Pharmacokinetic Profile (interim data)

## Plasma NUC-3373

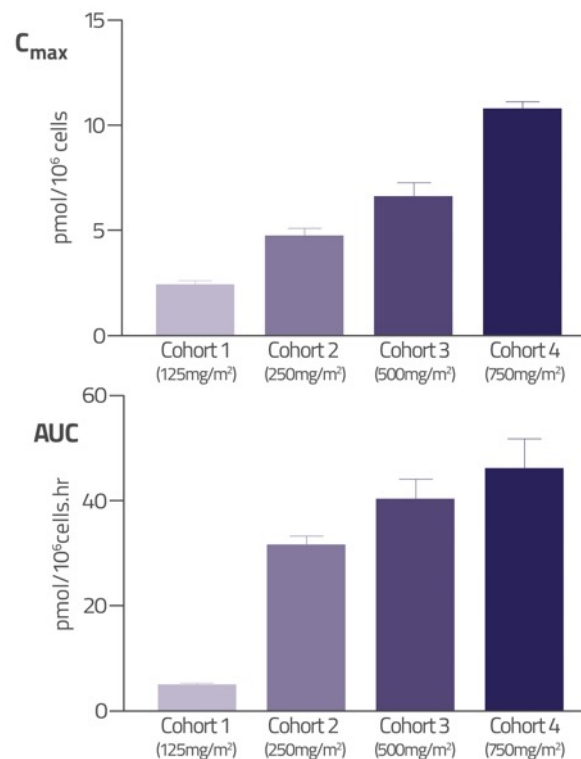


PK reproducible & linear

NUC-3373 plasma half-life 9.7 hours

Clinically insignificant FBAL levels

## Intracellular FUDR-MP

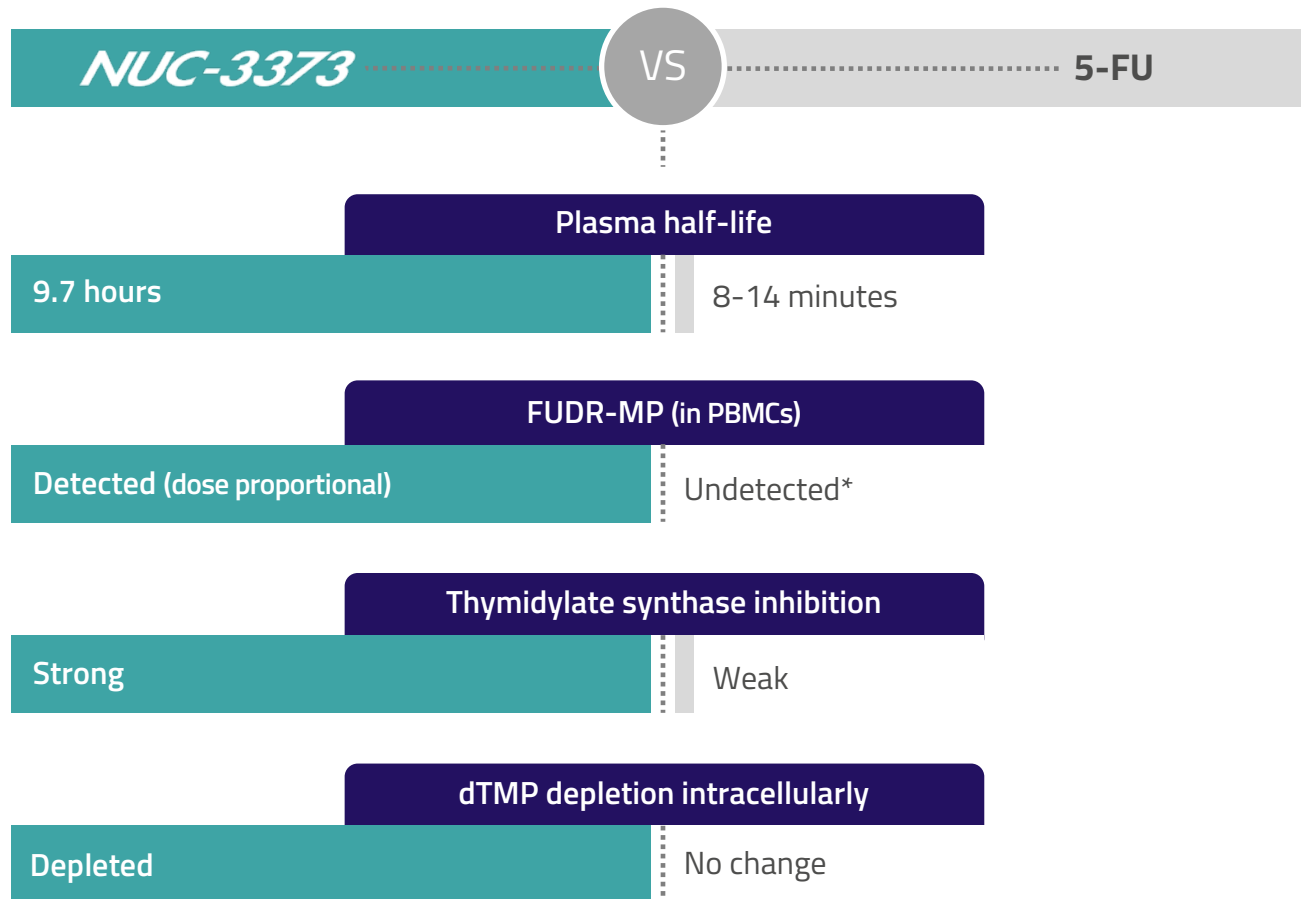


PK reproducible & linear

FUDR-MP intracellular half-life 14.9 hours

FUDR-MP still detectable after 48 hours

# NUC-3373: Phase 1 Study Pharmacokinetic Profile (interim data)





# NUC-3373: Ongoing Solid Tumor Phase 1 Study (interim data)

## Metastatic Colorectal Cancer

70 years, male  
**6 prior lines**

- 1) 5-FU:  
based chemoradiotherapy (adjuvant)
- 2) FOLFIRI:  
for metastatic disease
- 3) CAPOX:  
progressed within **2 months**
- 4) FOLFIRI:  
progressed within **8 months**
- 5) LONSURF:  
progressed within **3 months**
- 6) Irinotecan:  
treatment for **1 month**

NUC-3373  
1,500 mg/m<sup>2</sup> q1w

**Stable Disease:  
9 months**

## Metastatic Basal Cell Carcinoma

55 years, male  
**2 prior lines**

- 1) Vismodegib:  
for **11 months**
- 2) Paclitaxel + carboplatin:  
for **3 months**

NUC-3373  
1,500 mg/m<sup>2</sup> q2w

**Stable Disease:  
10 months**

## Metastatic Cholangiocarcinoma

60 years, female  
**1 prior line**

- 1) Gemcitabine + cisplatin:  
progressed within **6 months**

NUC-3373  
1,125 mg/m<sup>2</sup> q1w

**Stable Disease:  
11 months**

- NUC-3373 is well-tolerated
- No hand-foot syndrome has been observed

- Grade 3 treatment-related AEs (3 transaminitis, 1 fatigue, 1 shingles)
- No Grade 4 AEs

Blagden *et al* (2018). *Ann Oncol*; 29: Suppl 8 Abstract ID: 442TiP (ESMO poster 442TiP, 22<sup>nd</sup> Oct, 2018)  
Data as of Sept 25, 2018

NU TIDE 301

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# NUC-3373: Ongoing Colorectal Phase 1b Study



- Patients with advanced colorectal cancer
- Rapidly progressing disease
- Received  $\geq 2$  prior lines of fluoropyrimidine-based regimens
- Exhausted all other therapeutic options
- Objective: Dose + Schedule in combination with other agents

## NU<sup>TIDE</sup> 302

Number of  
patients  
(enrolled to date)

37

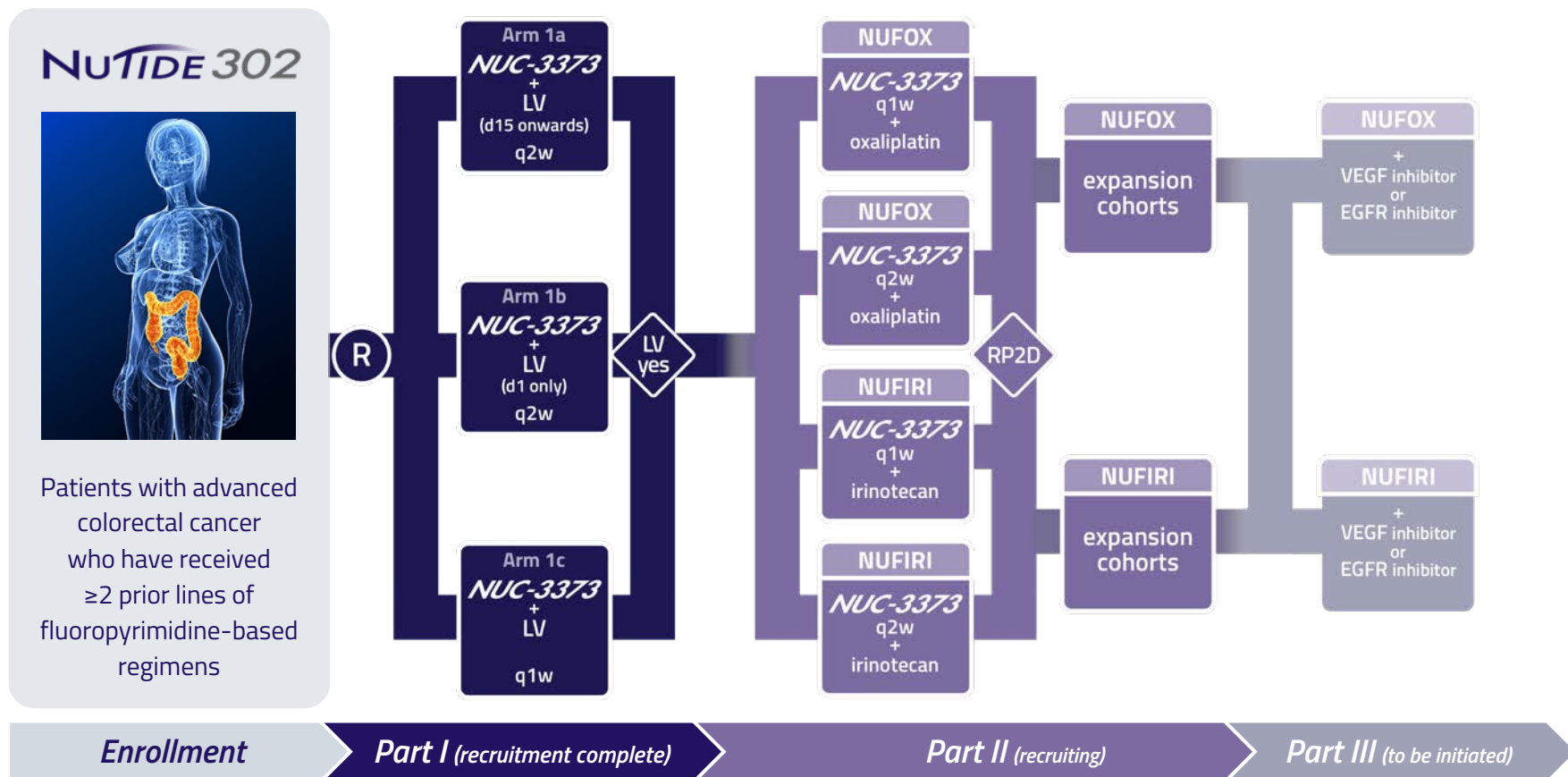
Age  
(median)

58  
(range 33-75)

Prior  
chemotherapy  
regimens

4  
(range 2-13)

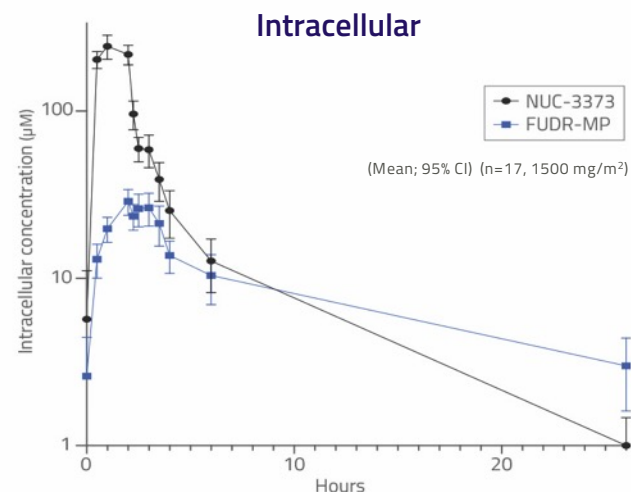
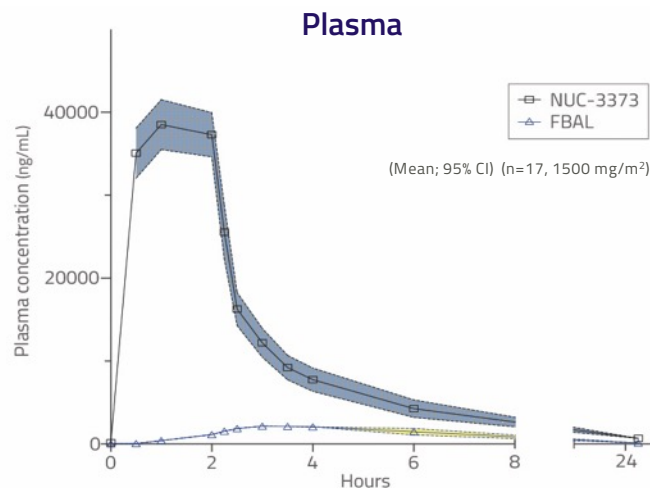
# NUC-3373: Ongoing Colorectal Phase 1b Study



q1w: Weekly administration  
 q2w: Alternate weekly administration  
 VEGF (e.g. bevacizumab)  
 EGFR (e.g. cetuximab)

**NUIDE 302**

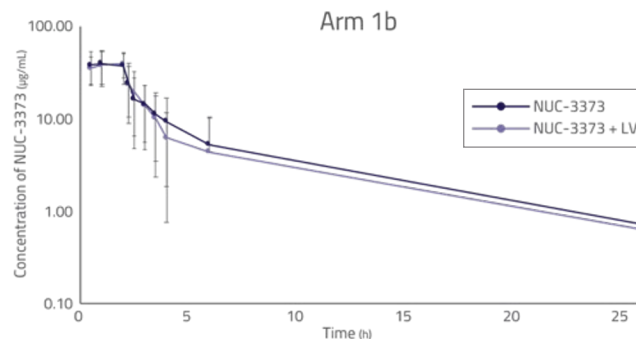
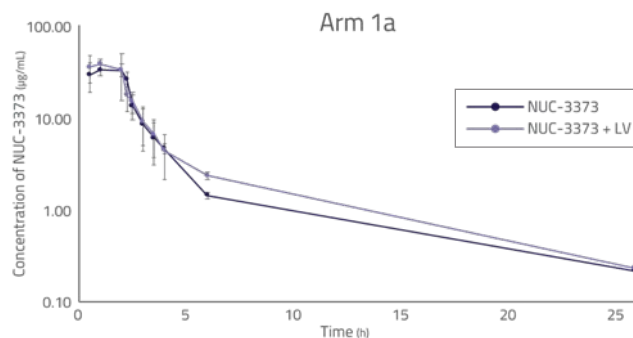
# NUC-3373: Favorable PK Profile



- Long half-life compared to 5-FU (6-14 hours vs 8-14 minutes)
- Large volume of distribution indicating extensive tissue absorption compared to 5-FU (190 L vs 17 L)

- High levels of FUDR-MP compared to 5-FU (31 μM vs 0.1 μM)
- Long half-life of FUDR-MP (12-20 hours)

## Favorable PK profile unaffected by leucovorin

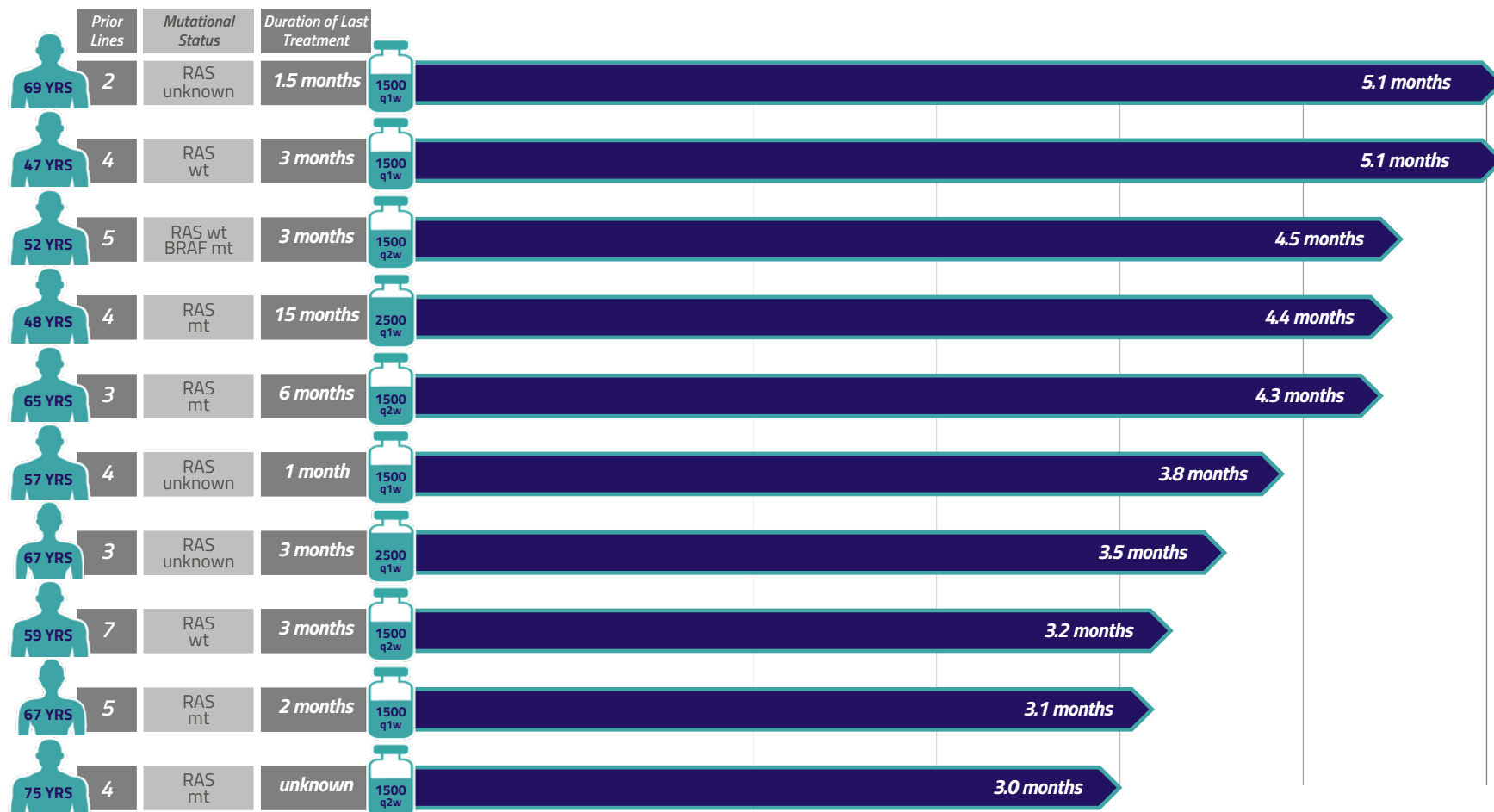


# NUC-3373: Favorable Safety Profile

	NUC-3373 (n=37)		5-FU IV (n=143)		5-FU Bolus (n=593)		Capecitabine (n=596)	
	All Grades (%)	G3 or G4 (%)	All Grades (%)	G3 or G4 (%)	All Grades (%)	G3 or G4 (%)	All Grades (%)	G3 or G4 (%)
Diarrhea	30	0	45	6	61	12	55	15
Nausea	46	3	55	4	51	4	43	4
Vomiting	38	0	32	3	30	5	27	5
Mucositis/Stomatitis	8	0	29	3	62	15	25	3
Hand-foot syndrome	0	0	13	1	6	1	54	17
Dermatitis	11	0	20	0	26	1	27	1
Fatigue/lethargy	54	3	NR	NR	46	4	42	4
Anemia	24	5	91	2	79	2	80	3
Neutropenia	0	0	48	13	46	21	13	3
Elevated bilirubin	5	5	36	11	17	6	48	23
	Heavily pre-treated patients NUC-3373/LV q1w or q2w		First-line patients 5-FU/LV infusional days 1&2, q2w		First-line patients 5-FU/LV bolus days 1-5, q4w		First-line patients Capecitabine BID, 2wks on, 1wk off	

- Grade 4 treatment-related AE (1x elevated bilirubin)
- Grade 3 treatment-related AEs (2x elevated ALT, 1x elevated AST, 1x elevated alkaline phosphate, 1x elevated bilirubin, 1x anemia, 1x hyponatremia, 1x fever, 1x nausea, 1x fatigue)
- FUTP, the primary cause of 5-FU toxicity and a dose-limiting factor, has not been detected in NUC-3373 treated patients

# NUC-3373: Colorectal Cancer Patient Case Studies



Disease Control Rate: 62% (efficacy evaluable population n=26)

Coverler *et al* (2021). J Clin Oncol 39: Suppl 3; Abstract ID: 93 (ASCO GI poster 93, 15-17 January 2021)

NU<sup>TIDE</sup> 302

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# NUC-3373: Ongoing Colorectal Phase 1b Study (interim data)

## 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 (1 peritoneum)

NUC-3373  
2,500 mg/m<sup>2</sup> q1w

**40% reduction** in tumor volume

**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 (both liver)

NUC-3373  
1,500 mg/m<sup>2</sup> q1w

**28% reduction** in tumor volume

**Stable Disease:  
5.1 months\***

## 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/m<sup>2</sup> q2w

**15% reduction** in tumor volume

**Stable Disease:  
4.5 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

Graham et al (2020). Ann Oncol 31: Suppl 4: Abstract ID :464P (ESMO 2020 poster 464, 19-21 September 2020)  
Coveler et al (2021). J Clin Oncol 39: Suppl 3; Abstract ID: 93 (ASCO GI poster 93, 15-17 January 2021)

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# NUC-3373: Ongoing Colorectal Phase 1b Study (interim data)

## Colorectal Cancer

47 years, male  
**4 prior lines**

- 1) FOLFOX (adjuvant):  
for **5 months**  
relapsed 8 months post-adjuvant therapy
- 2) FOLFIRI: + bevacizumab  
progressed within **18 months**
- 3) FOLFIRI + cetuximab:  
progressed within **8 months**
- 4) Lonsurf:  
toxicity within **3 months**

RAS wildtype  
Target lesions: 5 (2 lymph nodes;  
2 peritoneum; 1 liver)

NUC-3373  
1,500 mg/m<sup>2</sup> q1w

**Stable Disease:  
5.1 months**

## Colorectal Cancer

57 years, male  
**4 prior lines**

- 1) CAPOX (neoadjuvant/adjuvant):  
for **6 months**  
relapsed 2 months post-adjuvant therapy
- 2) FOLFIRI:  
progressed within **3 months**
- 3) Lonsurf:  
progressed within **2 months**
- 4) RXC004 (Wnt inhibitor):  
progressed within **1 month**

RAS unknown  
Target lesions: 3 (all lung)

NUC-3373  
1,500 mg/m<sup>2</sup> q1w

**Stable Disease:  
3.8 months**

## Colorectal Cancer

67 years, female  
**5 prior lines**

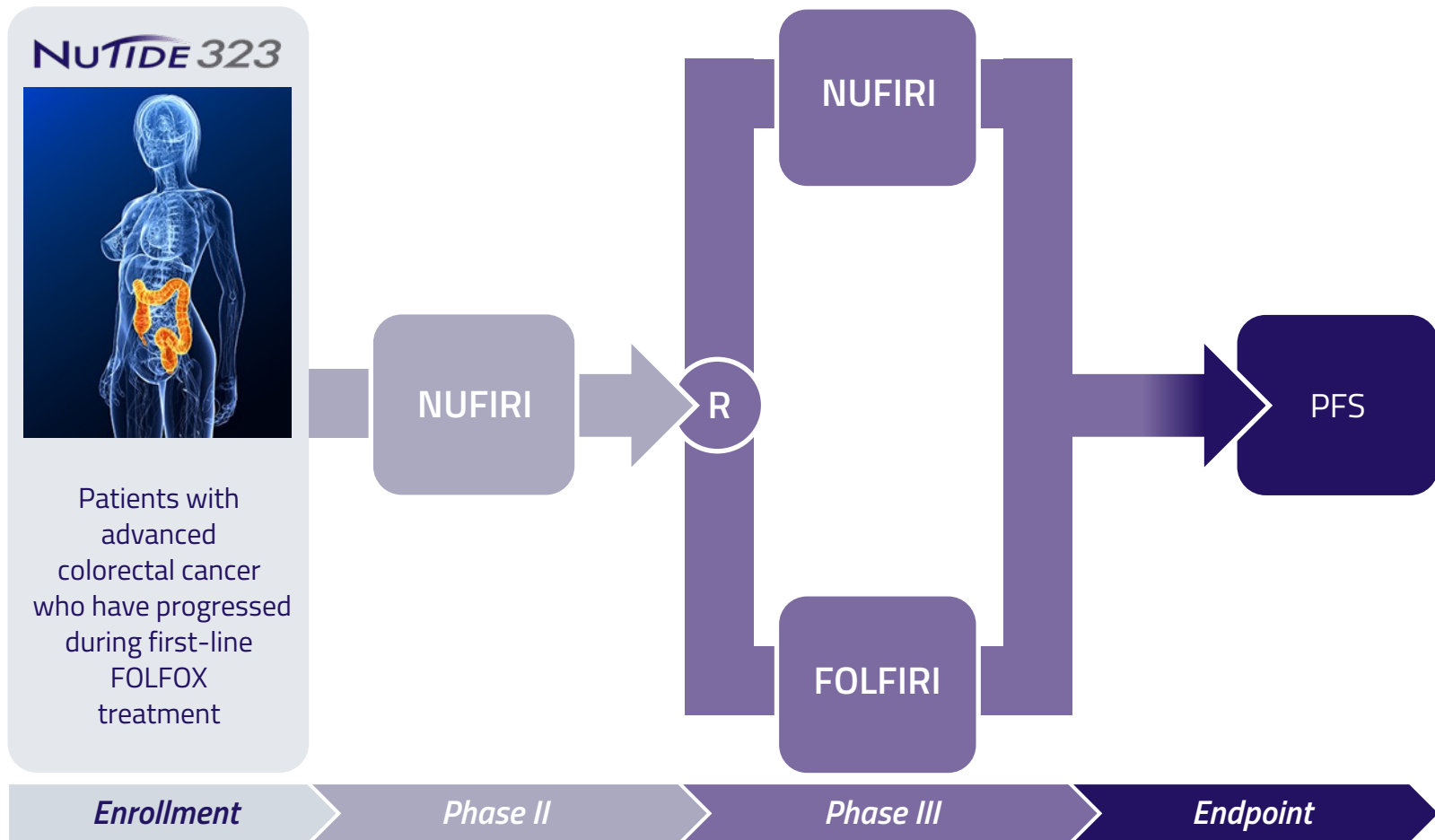
- 1) FOLFOX (adjuvant):  
for **5 months**  
relapsed 2 years post-adjuvant therapy
- 2) FOLFIRI:  
for **5 months**
- 3) Irinotecan + Lonsurf + bevacizumab  
for **33 months**
- 4) CAPOX:  
progressed within **1 month**
- 5) Regorafenib:  
progressed within **2 months**

RAS mutant  
Target lesions: 2 (1 liver; 1 abdomen)

NUC-3373  
1,500 mg/m<sup>2</sup> q1w

**Stable Disease:  
3.1 months**

# NUC-3373: Potential Colorectal Phase 2/3 Study



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# ***NUC-7738***

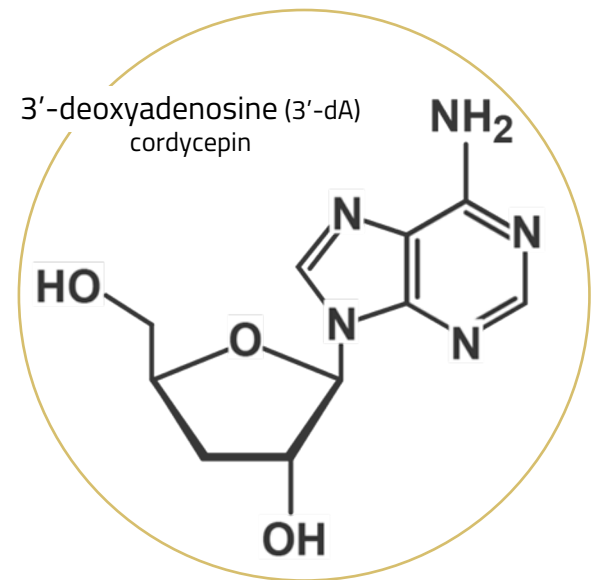
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A transformation of 3'-deoxyadenosine

NUCANA

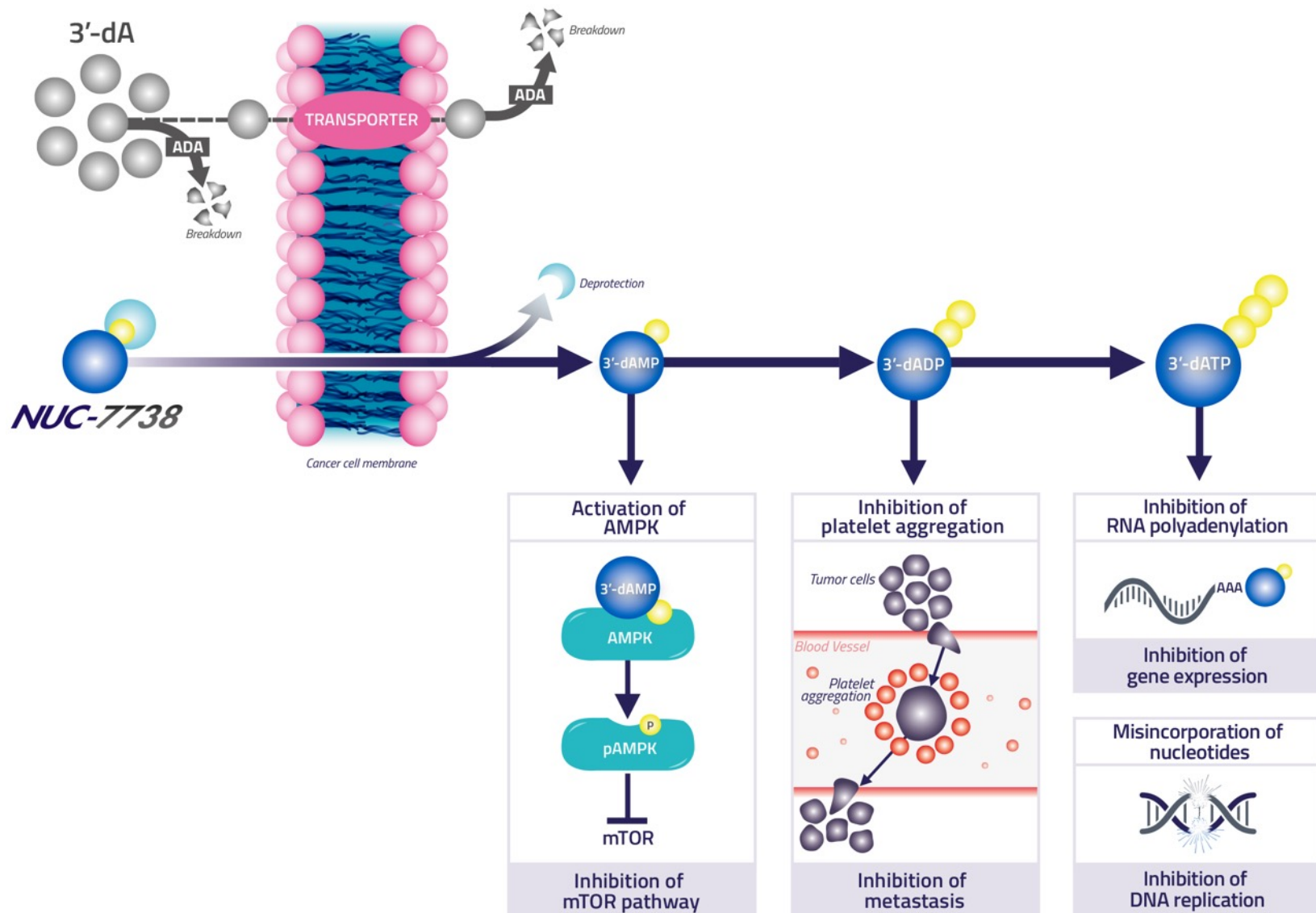
# NUC-7738: Origin of 3'-deoxyadenosine

## Cordycepin: A Traditional Chinese Medicine



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

# NUC-7738: Multiple Anti-Cancer Modes of Action





# NUC-7738: Ongoing Phase 1 Study

- Phase 1 dose-escalation study in patients with advanced solid tumors
- All patients have metastatic spread
- Rapidly progressing disease
- Exhausted all other therapeutic options
- Objective: Recommended Phase 2 Dose + Schedule

**NU**TIDE 701

Number of  
patients  
(enrolled to date)

14

Age  
(median)

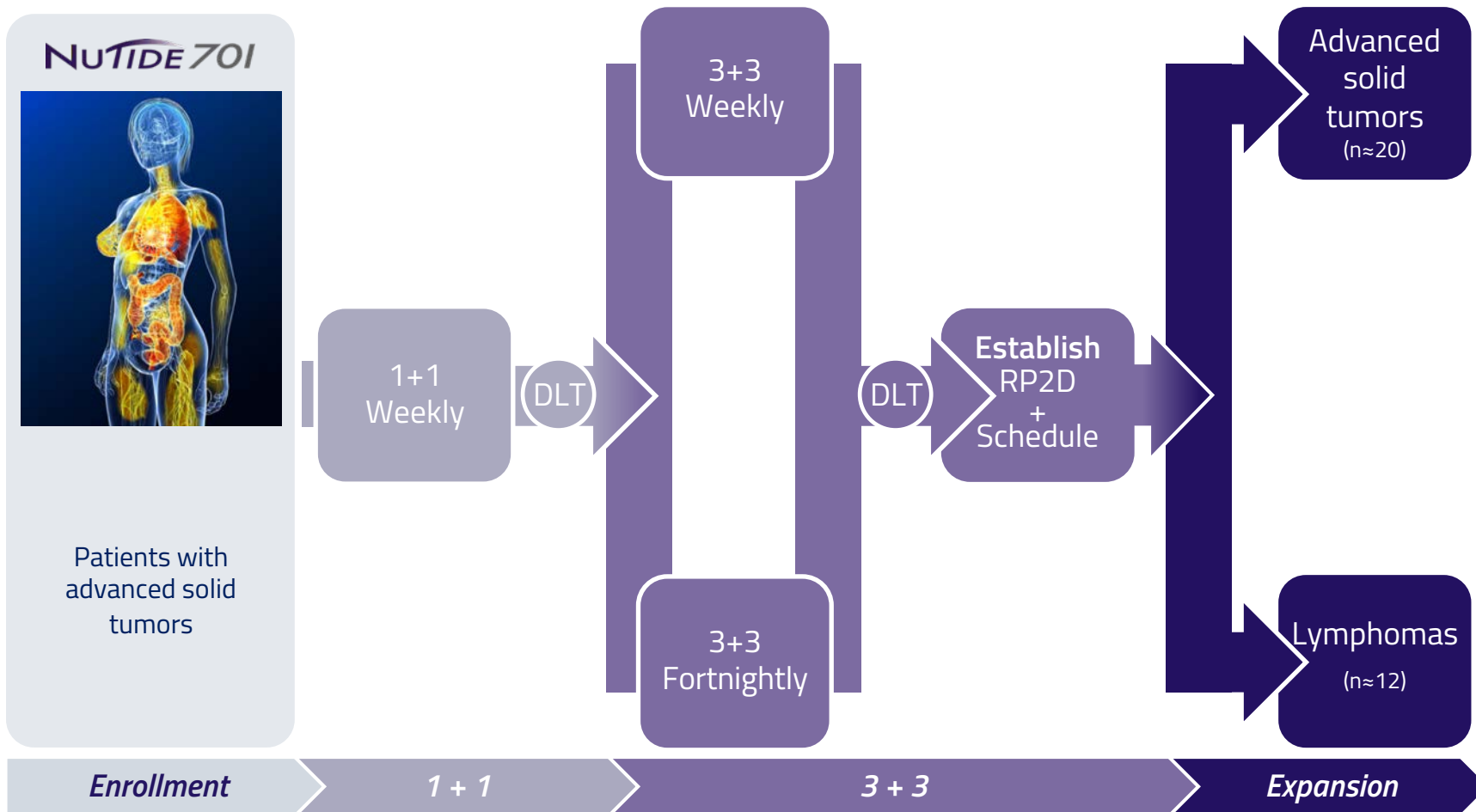
65  
(range 47-74)

Prior  
chemotherapy  
regimens

3  
(range 1-5)



# NUC-7738: Ongoing Phase 1 Study (monotherapy)



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# NUC-7738: Ongoing Solid Tumor Phase 1 Study (interim data)

## Metastatic Melanoma

62 years, female  
**2 prior lines**

- 1) Nivolumab + ipilimumab:  
discontinued within **1 month**
- 2) CK7 inhibitor:  
progressed within **1 month**

Target lesion: 1 (pelvic side wall)

NUC-7738  
Starting dose 14 mg/m<sup>2</sup> q1w  
(7 dose escalations)

Target Lesion 1: **14% reduction** in tumor volume

**Treatment Duration:**  
**15 months** (ongoing)

(Stable disease for 12 months, then re-established)

## Metastatic Lung Adenocarcinoma

65 years, male  
**2 prior lines**

- 1) Carboplatin + pemetrexed:  
progressed at **6 months**
- 2) Docetaxel:  
progressed at **4 months**

Target lesions: 2 (both lung)

NUC-7738  
Starting dose 42 mg/m<sup>2</sup> q1w  
(4 dose escalations)

Target Lesion 1: **46% reduction** (week 8 –16)  
Target Lesion 2: Positive change in character (week 8 –16)

**Treatment Duration:**  
**6 months**

### Predictable PK profile

- Dose proportional increase in C<sub>max</sub> and AUC
- Efficient conversion of NUC-7738 to 3'-dATP

### Favorable safety profile

- No Grade 3 or 4 treatment-related AEs
- No DLTs

As of 14 Aug 2020: ESMO 2020 poster data cut-off

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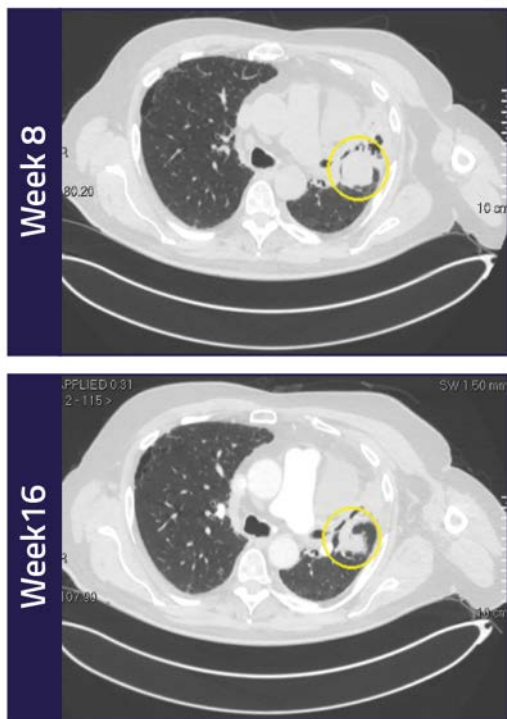
# NUC-7738: Ongoing Solid Tumor Phase 1 Study (interim data)

## Metastatic Lung Adenocarcinoma

65 years, male - 2 prior lines

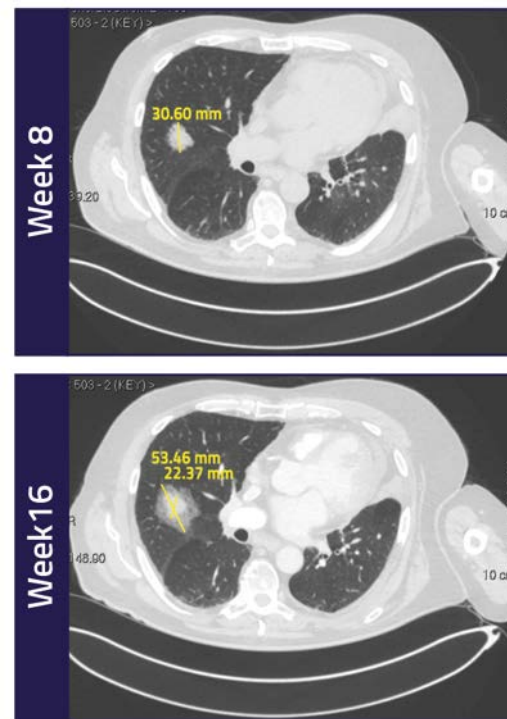
### Target Lesion 1:

Encouraging signs of anti-tumor activity with a **46% reduction** in lesion between week 8 - 16 (41mm to 22mm)



### Target Lesion 2:

Positive change in character (week 8 - 16), with a smaller dense core surrounded by a larger diffuse "ground-glass" periphery



As of 14 Aug 2020: ESMO 2020 poster data cut-off













NU TIDE 701

# Strong Intellectual Property Position




Worldwide exclusive rights for all programs: **610 granted patents** and **396 pending applications\***

## Key Patents













### ACELARIN

	403 granted, 202 pending, including:		
Composition of matter	<i>Granted (EP, US); Pending (JP)</i>	2033 / 2035	   + others
Formulation	<i>Granted (EP, US); Pending (JP)</i>	2035	   + others
Manufacturing process	<i>Granted (US), Pending (EP, JP)</i>	2035 / 2036	   + others
Use	<i>Granted (EP, US); Pending (JP)</i>	2035 / 2038	   + others

### NUC-3373

	61 granted, 104 pending, including:		
Composition of matter	<i>Granted (US, EP, JP)</i>	2032	   + others
Formulation	<i>Pending</i>	2036	   + others
Manufacturing process	<i>Pending</i>	2038	   + others
Use	<i>Pending</i>	2037 / 2038	   + others

### NUC-7738

	48 granted, 72 pending, including:		
Composition of matter	<i>Granted (EP, US, JP)</i>	2035	   + others
Formulation	<i>Pending</i>	2036	   + others
Manufacturing process	<i>Pending</i>	2038	   + others
Use	<i>Pending</i>	2041	   + others

\*As of September 7, 2020

\*Expiration for pending patents if granted

## Key Milestones: 2021

<b>ACELARIN</b>	PHASE	EVENT	2021	
			1H	2H
Biliary	Phase III	Complete recruitment for first interim analysis		X
<b>NUC-3373</b>				
Solid Tumors	Phase I	Data	X	
Colorectal	Phase Ib	Data	X	
Colorectal	Phase Ib expansion / Phase II	Data	X	X
Colorectal	Phase III	Initiate study		X
<b>NUC-7738</b>				
Solid Tumors / Hematologic	Phase I	Data	X	
Solid Tumors / Hematologic	Phase II	Initiate study		X

# Investment Highlights

## Improving Survival Outcomes

Focused on significantly improving survival outcomes for patients with cancer by applying our phosphoramidate chemistry technology

## First-In-Class

Acelarin has achieved impressive response rates and has the opportunity for accelerated approval in front-line biliary tract cancer

## Broad IP Protection

Strong IP position for all product candidates and worldwide exclusive rights

## Significant Milestones

Numerous value inflection points throughout 2021 and 2022

Nasdaq: **NCNA**

## Standard of Care

NUC-3373 has the potential to replace 5-FU in colorectal cancer and other solid tumors

## Novel ProTide

NUC-7738 is a transformation of a novel nucleoside analog and has multiple anti-cancer modes of action

## Experienced Team

Accomplished management team, backed by leading biotech investors





# NUCANA

*Nasdaq:* NCNA

E: [info@nucana.com](mailto:info@nucana.com)

Global Headquarters: 3 Lochside Way, Edinburgh, EH12 9DT United Kingdom