

Financial Results Q2 FY2022

(January to June 2022)

Carna Biosciences, Inc.



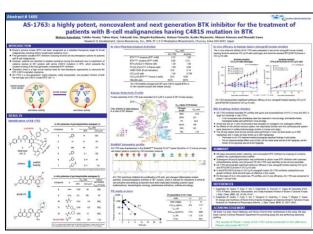
Stock Code: 4572

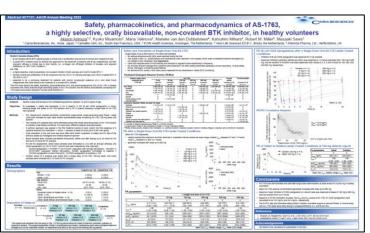
Q2 FY2022 Key Highlights



- Corporate
 - ✓ Upwardly revised FY2022 result forecast in May.
- Drug Discovery R&D
 - ✓ AS-1763: Presented new preclinical and clinical data in two poster presentations at the American Association for Cancer Research (AACR) annual meeting in April.
 - ✓ AS-1763: Investigational New Drug (IND) application was approved in the U.S. in May.
 - ✓ DGKα inhibitor: Gilead Sciences, Inc. (Gilead) presented an investigational novel DGKα inhibitor GS-9911 discovered from the immuno-oncology program licensed from Carna at the company's "Oncology Deep Dive" in April.

<AACR Poster>







Drug Discovery R&D (ddRD) Business

Robust Drug Pipeline



<Oncology>

Compound	Target	Indication	Discovery/Preclinical	Clinical	Partner
AS-0141	CDC7/ASK	Cancer			
Small Molecule	DGKα	Immuno-Oncology	Licensed	to Gilead	GILEAD
AS-1763	ВТК	Blood Cancer			Biolova *
Small Molecule	ALK5	Immuno-Oncology			
Small Molecule	CDK1	Cancer			

<Other Therapeutic Areas>

*Greater	China	only
----------	-------	------

Compound	Target	Indication	Discovery/Preclinical	Clinical	Partner
Small Molecule	Kinase	Psychiatry & neurology	Joint rese Sumitom		Sumitomo Pharma
AS-0871	ВТК	Immune-inflammatory diseases			
Small Molecule	N/A	Malaria			
Small Molecule	STING (antagonist)	Immune-inflammatory diseases	Licensed t	to Brickell	➡ BrickellBio

[✓] As of August 2022

[√] We are actively pursuing early discovery programs to create next wave of pipeline.

BTK Inhibitor Program



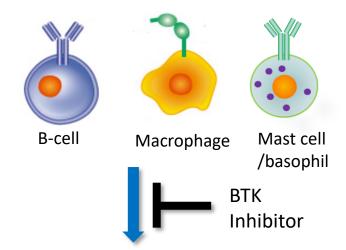
Bruton's Tyrosine Kinase (BTK)

- ✓ BTK is one of the crucial kinases for the B-cell maturation and macrophage activation
- ✓ BTK has been recognized as a validated therapeutic target since the success of Ibrutinib, the first FDA approved BTK inhibitor
- √ The expected peak sales of Ibrutinib is > \$10 billion*

<Sales of BTK inhibitors in market>

Launch	Product	Company	Target	2021	2026 Est.
2013	Ibrutinib	AbbVie/J&J	Blood cancer	\$8.2B*1	\$10.8B*2
2017	Acalabrutinib	Astra Zeneca	Blood cancer	\$1.2B*2	

- In January 2019, Loxo Oncology, developing kinase inhibitors including non-covalent BTK inhibitor LOXO-305, was acquired by Eli Lilly for \$8.0 billion.
- In December 2019, ArQule, developing non-covalent BTK inhibitor ARQ 531, was acquired by Merck for \$2.7 billion.



Blood Cancer

e.g. B-cell malignancies

Autoimmune diseases

e.g. Rheumatoid arthritis, chronic spontaneous urticaria, systemic lupus erythematosus



High potential of non-covalent BTK inhibitors for sizable license deals

Source: 1. Company data 2. Evaluate Pharma



AS-0871: Targeting Immune-inflammatory diseases

- Small molecule BTK inhibitor
- Non-covalent/reversible
- High kinase selectivity
- Orally available

- Demonstrated significant efficacies in arthritis models
- Showed efficacy in systemic lupus erythematosus model
- Find a partner to conduct further development after completing Phase 1 study



SAD: Single Ascending Dose MAD: Multiple Ascending Dose

BA: Bioavailability SPT: Skin Prick Test POC: Proof of Concept

AS-0871: Phase 1 Clinical Trial in Progress



Phase 1 in the Netherlands Completed SAD study (Healthy volunteers)

- ✓ Safe and well-tolerated at all dose levels
- ✓ Favorable Pharmacokinetic Profile
- ✓ Promising Pharmacodynamic effects
- ✓ Conducted using simple formulation



Developing multiple new formulations



SPT part

Phase 1 in the Netherlands MAD study (Healthy volunteers) BA part Evaluate the relative bioavailability of multiple new formulations to select the best formulation MAD part Evaluate the safety, tolerability, PK and PD in the 2-week multiple ascending dose of AS-0871

Evaluate the effect on allergen-induced skin reaction in the skin prick

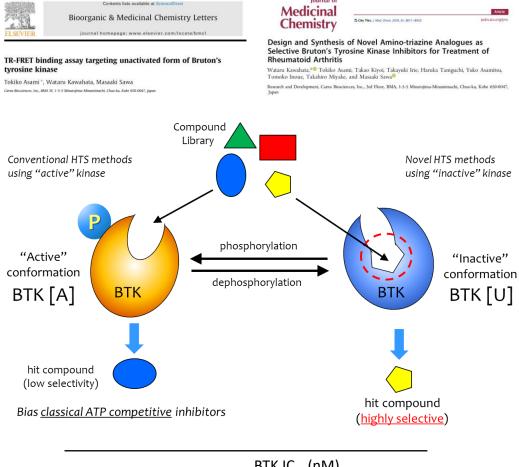
Chronic Spontaneous Urticaria (CSU), a disease with high unmet needs

test (SPT) to assess the potential of AS-0871 for the treatment of

AS-0871: Excellent Kinase Selectivity



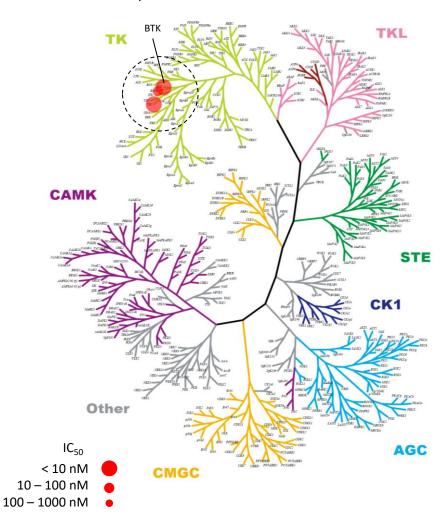
Targeting Inactive Conformation of BTK



	BTK IC ₅₀ (nM)		
	BTK [A]	BTK [U]	
AS-0871	3.4	0.3	

◆ Kinase Selectivity Profiling

Only inhibited 2 other kinases in a total of 312 kinases tested at 0.3 μ M concentration.

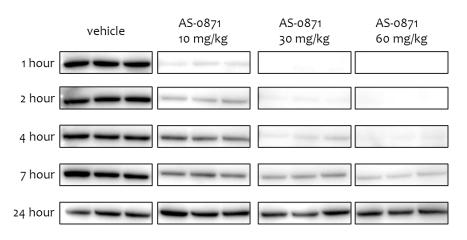


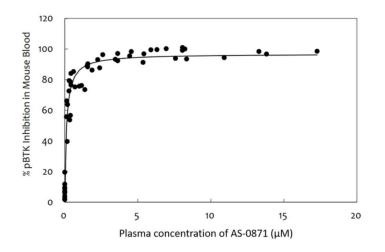
AS-0871: In Vivo Therapeutic Efficacy



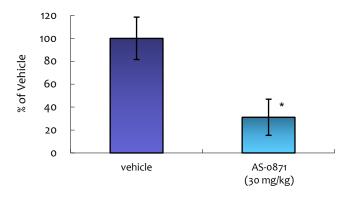
◆ PK/PD Study

Auto-phosphorylation status of BTK was measured following oral single administration of AS-0871

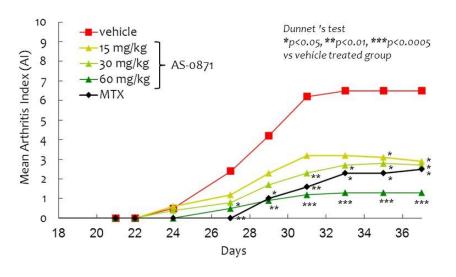




◆ Passive cutaneous anaphylaxis (PCA) mouse model (n=5)



Collagen-induced arthritis (CIA) mouse model (n=10)

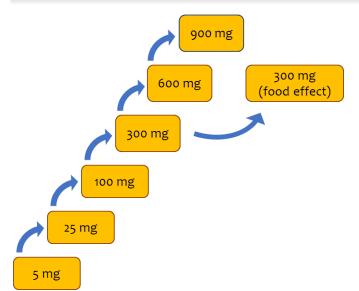


AS-0871: FIH study



SAD Part (Completed)

Step 1	Step 2
 6 dose levels (8 subjects/cohort) Placebo controlled (6 active / 2 placebo) Safety and tolerability Pharmacokinetics and pharmacodynamics 	Food effect

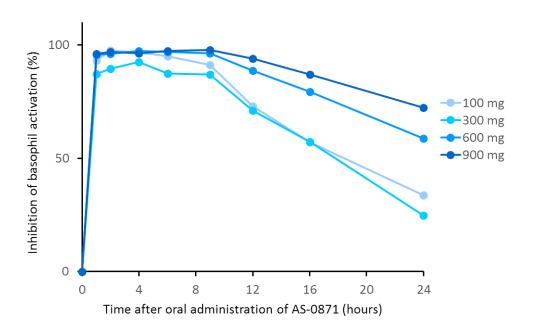


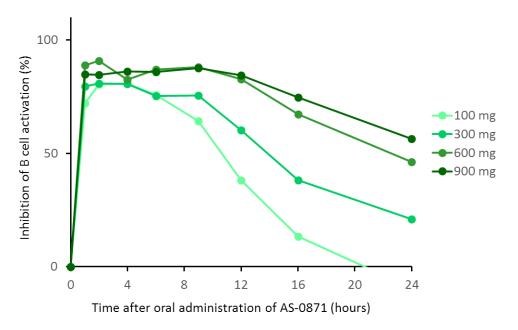
- ✓ AS-0871 is well-tolerated without any safety concerns.
- ✓ Favorable pharmacokinetic profile.
- ✓ Blood samples to assess PD effects were analyzed for evaluation of the B-cell and basophil responses. Administration of AS-0871 at 100mg or above resulted in strong inhibition of B-cell and basophil activation.
- ✓ Switching to a new formulation in the MAD study.

Pharmacodynamics of AS-0871



- ✓ Pharmacodynamic study demonstrated that subjects who received AS-0871 showed dose proportional inhibitions in basophil and B-cell activations, and significant and sustained inhibitory effects were observed at 100 mg and above.
- ✓ Oral administration of AS-0871 achieved therapeutic plasma levels needed to inhibit B cells and basophils activation, suggesting that AS-0871 has a potential to become a new treatment option for inflammatory diseases.





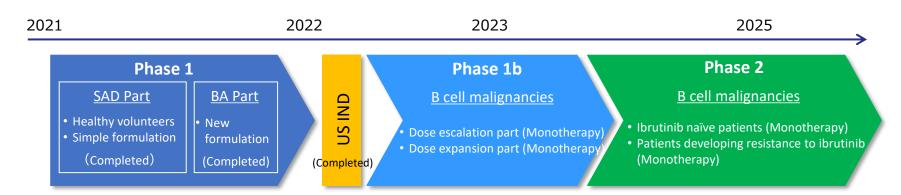
AS-1763: Next Generation BTK Inhibitor Targeting Blood Cancer



AS-1763: Targeting Blood Cancer

- Small molecule BTK inhibitor
- Non-covalent/reversible
- High kinase selectivity
- Inhibits both BTK wild type and ibrutinib resistant BTK C481S mutants
- Orally available

- Displayed strong anti-tumor effects in lymphoma model with both wild type and C481S mutant BTK
- Displayed efficacy in immuno-oncology model
- Completed an IND application process in the U.S.
- Plan to accelerate the clinical studies utilizing the clinical data of BioNova, the licensee in Greater China



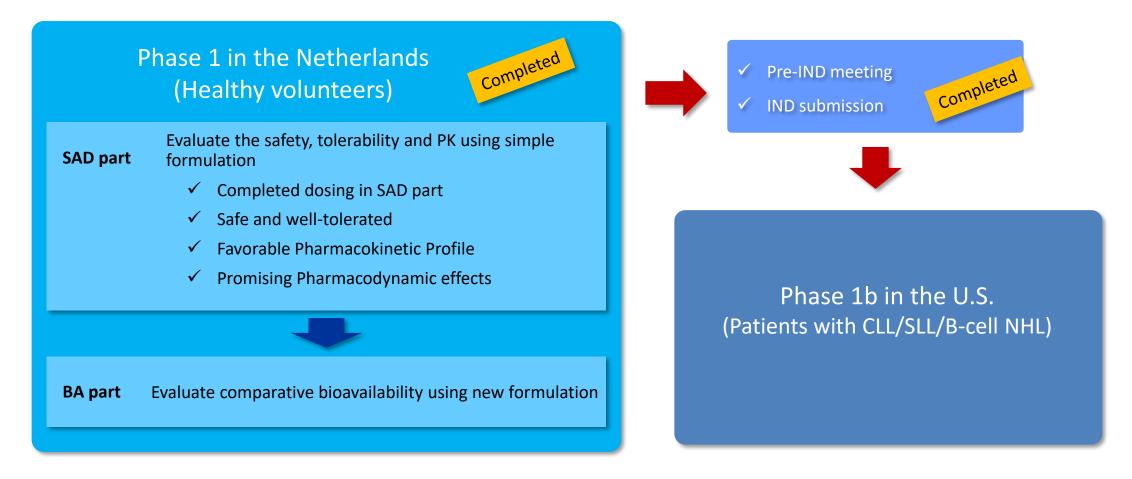
IND application: Investigational New Drug application

SAD: Single Ascending Dose MAD: Multiple Ascending Dose

BA: Bioavailability

B-cell malignancies: Chronic Lymphocytic Leukemia (CLL), Small Lymphocytic Lymphoma (SLL), and B-cell non-Hodgkin Lymphoma (B-cell NHL), etc.



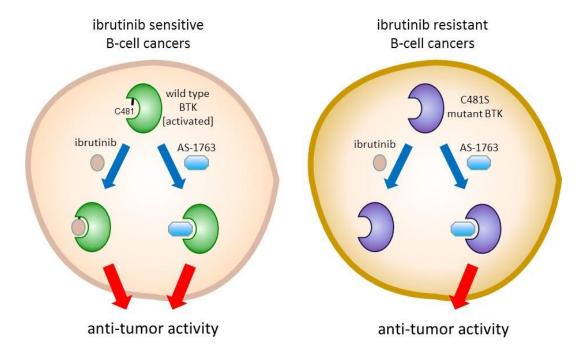


- ◆ Presented the Phase 1 data at AACR2022.
- ◆ In March, BioNova received an approval to initiate a clinical study in China.
- ◆ In May, Carna received an approval for an IND to initiate Phase 1 study in the U.S.

AS-1763: Potent Inhibitor of C481S mutant BTK



Drug Annotation





pubs.acs.org/jmc

Discovery of AS-1763: A Potent, Selective, Noncovalent, and Orally

Discovery of AS-1763: A Potent, Selective, Noncovalent, and Orally Available Inhibitor of Bruton's Tyrosine Kinase

Wataru Kawahata,* Tokiko Asami, Takao Kiyoi, Takayuki Irie, Shigeki Kashimoto, Hatsuo Furuichi, and Masaaki Sawa



◆ IC₅₀ values of AS-1763 against wild-type and C481S-mutant BTK

	IC ₅₀ (nM)	
	BTK[A]	BTK ^{C481S}
AS-1763	0.85	0.99

J Med Chem. 2021 Oct 14;64(19):14129-14141.

AS-1763: Strong Cellular Activity and High Kinase Selectivity

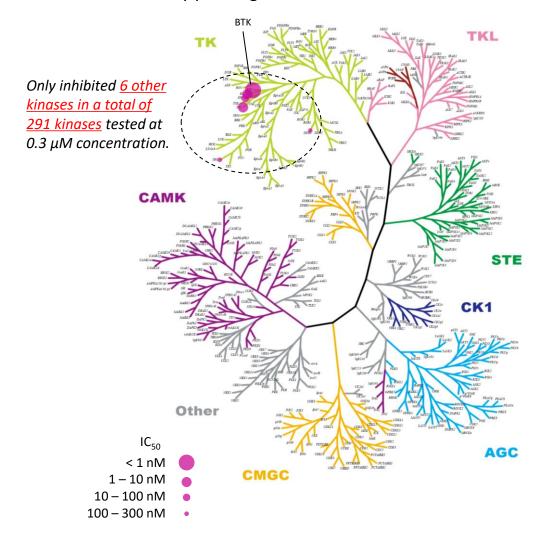


In vitro pharmacological activities of AS-1763

	IC ₅₀ (nM)		
	AS-1763	ibrutinib	_
Autophosphorylation BTK (Ramos)	1.4	1.1	
CD69 activation (Human whole blood)	11	8.1	
Cancer cell growth OCI-Ly10 cells	1.8	0.75	
Cancer cell growth OCI-Ly10 [BTK C481S] cells	20	1030	50-fold Stronger activity
Normal cell growth HEL299 cells	6370	6870	

Ramos: human Burkitt lymphoma cell line OCI-Ly10: human B-cell non-Hodgkin lymphoma cell line OCI-Ly10 [BTK C481S]: BTK[C481S] knock-in OCI-Ly10 cells HEL299: human embryo lung cell line

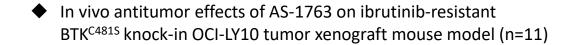
Kinase selectivity profiling

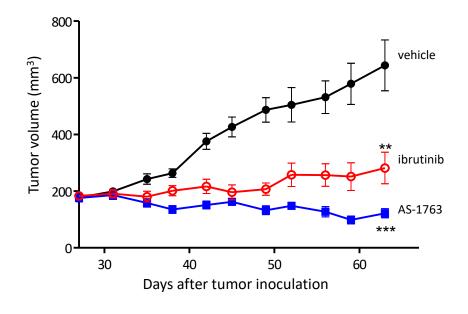


AS-1763: In Vivo Antitumor Effect against BTK^{C481S} Mutant

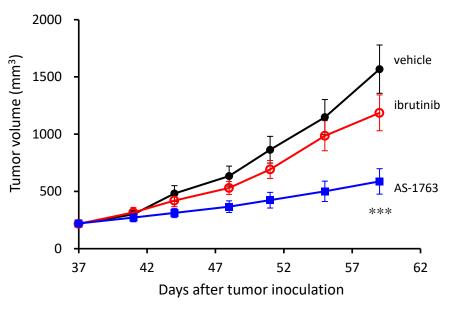


◆ In vivo antitumor effects of AS-1763 on human B-cell non-Hodgkin lymphoma cell line, OCI-LY10 tumor xenograft mouse model (n=8-10)





Ibrutinib: 25 mg/kg QD AS-1763: 60 mg/kg BID **: p<0.01 ***: p<0.001



Ibrutinib: 25 mg/kg QD AS-1763: 60 mg/kg BID

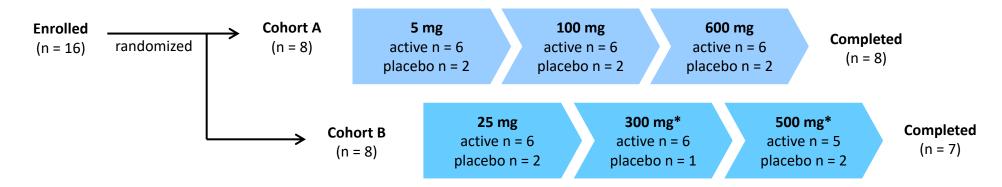
***: p<0.001

AS-1763: FIH Phase 1 Study in Healthy Volunteers



Study Design

Step 1	Step 2
SAD Part	BA Part
 Double-blind, placebo-controlled, randomized FIH study Simple formulation (solution) 6 dose levels (8 subjects/cohort A, 8 subjects/cohort B) 6 active / 2 placebo for each dose level Safety and tolerability Pharmacokinetics and pharmacodynamics (PD; CD69 upregulation on naïve B cells) 	 Open label study Another cohort of 8 subjects The subjects were dosed with a single dose of AS-1763 100-mg tablet, and relative bioavailability with simple formulation was evaluated



^{*}One subject was withdrawn from the study on Day 1 of 300-mg period before the intake of treatment medication (placebo) by physician's decision. This subject showed AEs (Grade 2 lymphocytosis and Grade 2 neutropenia) which were considered treatment-emergent but not trial medication-related. No replacement was done at 300-mg and the following 500-mg periods.



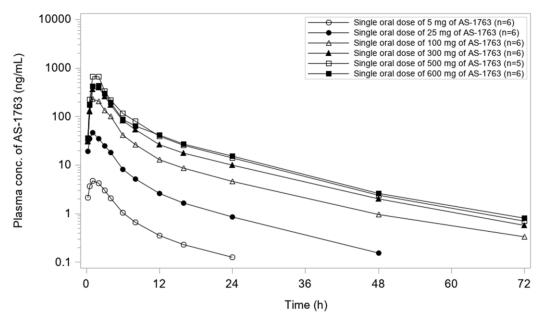
<Safety and tolerability>

- AS-1763 was well-tolerated after single dose administration up to the maximum dose level (600 mg).
- No serious adverse events (AEs) were reported during the trial.
- Two Grade 2 AEs were reported in one subject, which were considered not related to trial medication.
- Other AEs reported were of mild intensity and showed no apparent dose-relationship in frequency.
- No clinically relevant changes from baseline were observed in all other safety parameters assessed (clinical laboratory, 12-lead safety ECGs, vital signs, or physical examinations).

<Pharmacokinetics >

- After a single-dose oral administration, plasma concentration of AS-1763 rapidly reached the maximum and then declined in a biphasic manner across the dose range (median t_{max} between 0.5 and 1.5 hours; mean t_{1/2} between 8.4 and 12.1 hours).
- Mean AS-1763 exposures generally increased with dose up to 500 mg.

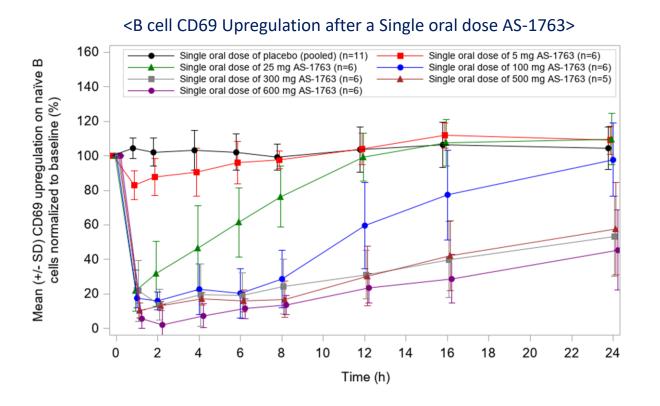
<Plasma concentration of a Single oral dose AS-1763>



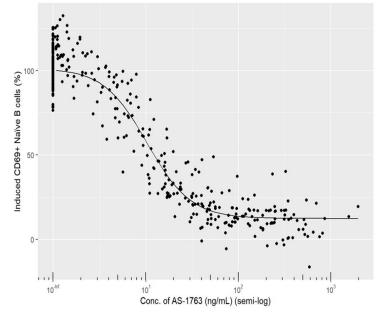
Pharmacodynamics of AS-1763



- Inhibition of B cell CD69 upregulation was observed for 5 mg onwards.
- Maximum inhibition (arbitrarily defined as ≥80%) was observed at 1-2 hours post-dose from 100 mg to 600 mg, and the duration of inhibition was dose-dependent with values of 2, 6, 8 and 8 hours for 100, 300, 500, and 600 mg, respectively.
- Based on a PK/PD correlation analysis, the IC50 value of AS-1763 on CD69 upregulation was calculated to be 10.5 ng/mL.





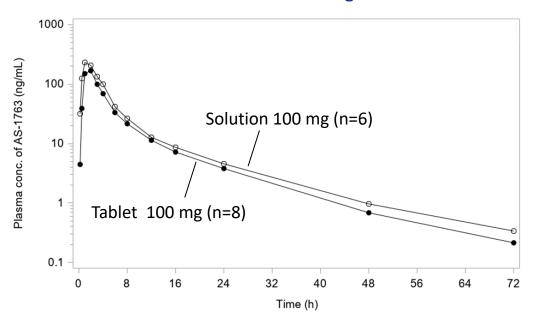


AS-1763: BA Part



- In the BA part, 100 mg tablet and the solution showed almost the similar PK profile while the exposure of 100 mg tablet was slightly lower than the that of the solution.
- The PK/PD data and favorable safety profile in healthy volunteers support a planned Phase 1b clinical study with AS-1763 tablet twice daily dosing in relapsed/refractory CLL and B-cell NHL.

<PK of Tablet vs Solution after a Single oral dose AS-1763>





AS-0141: Targeting Cancer Small molecule CDC7 inhibitor High kinase selectivity Potential First-in-class drug Orally available AS-0141: Targeting Cancer Potential Cancer Potential First-in-class drug Conducting Phase 1 study in Japan targeting solid tumors



AS-0141: Phase 1 Clinical Trial in Progress



Phase 1 Study in patients

- ✓ The Phase 1 study in patients with unresectable, advanced, recurrent, or metastatic solid tumors was initiated in Japan in H1 2021.
- ✓ The study consists of two parts, a dose escalation and an expansion.
- ✓ The primary objective is to assess safety, tolerability, maximum tolerated dose, preliminary anti-tumor activity, and pharmacokinetics (PK) / pharmacodynamics (PD) as well as to determine recommended Phase 2 dose.

Ongoing Phase 1 Dose escalation part

Cohort	Dose level (5d on/2d off)	Status	
1	20 mg BID	Completed	/
2	40 mg BID	Completed	~
3	80 mg BID	Completed	/
4	150 mg BID	Completed	/
5	250 mg BID	Completed	/
6	300 mg BID	In progress	
7	TBD	Planning	

No dose-limiting toxicity (DLT) has been observed and advanced to Cohort 6 (300 mg BID)

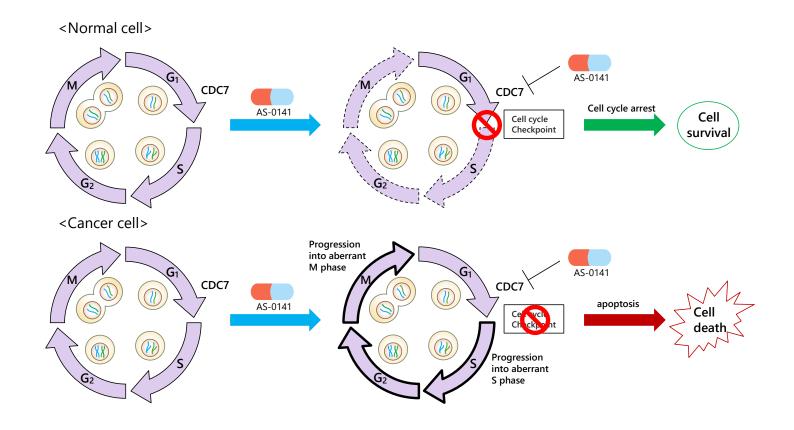
*BID: Twice a day, 5d on/2d off: 5 days medication followed by 2 days drug holiday

AS-0141: Highly Selective CDC7 Inhibitor



CDC7 kinase inhibitor

CDC7 (cell division cycle 7) is a serine-threonine kinase that plays a critical role in DNA synthesis and is required for the activation of DNA replication origins throughout the S phase of the cell cycle. Inhibition of CDC7 in cancer cells causes lethal S phase or M phase progression, whereas normal cells survive, most likely through induction of cell cycle arrest at the DNA replication checkpoint. It has been reported in the literature that CDC7 is overexpressed in many cancers. Therefore, CDC7 is an attractive target for cancer drug development.

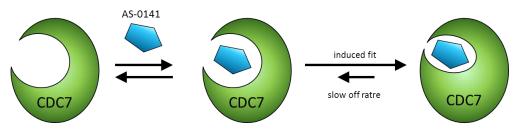


AS-0141: Time-Dependent Inhibitor of CDC7



 AS-0141 has a unique inhibitory mechanism for CDC7 kinase (time-dependent inhibition)





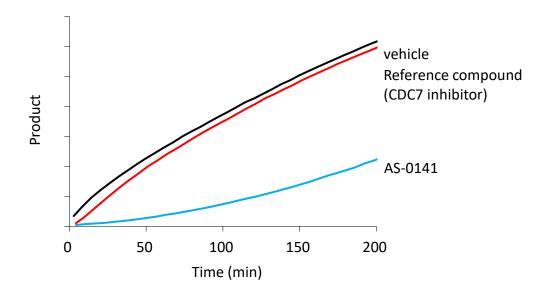
Inhibitory potency (IC₅₀) for CDC7 in the presence of 1 mM ATP

Without Preincubation	With Preincubation	
503 nM	2.4 nM	

J Med Chem. 2021 Oct 14;64(19):14153-14164.

 AS-0141 inhibits CDC7 in a reversible fashion but has a very slow off-rate

Rapid dilution assay for Cdc7 inhibitors. Recovery of enzymatic activity was monitored by formation of the phosphorylated product.

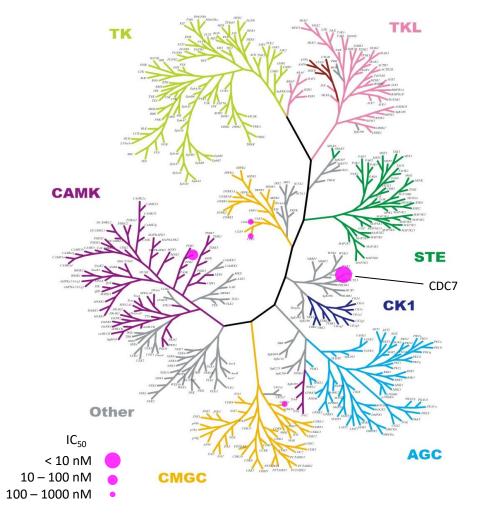


AS-0141: High Kinase Selectivity



◆ Kinase Selectivity Profiling

In the presence of 1 mM ATP with preincubation



lacktriangle IC₅₀ values of hit kinases (at 1 mM ATP)

	IC ₅₀ (nM)		
,	Preinc	cubation	
	-	+	
CDC7	503 —	→ 2.4	
PIM1	30	34	
CLK1	212	206	
CLK2	270	227	
GSK3a	189	251	

CDC7 is the only kinase that shows preincubation effect

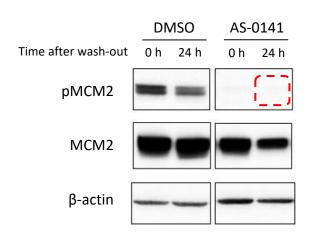
J Med Chem. 2021 Oct 14;64(19):14153-14164.

AS-0141: Strong Cellular Activity



◆ Prolonged inhibition in cells

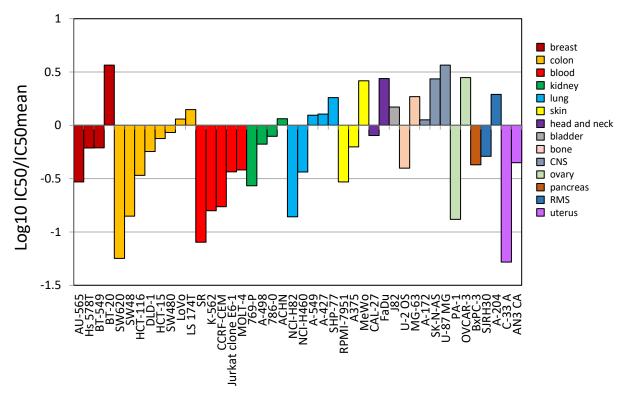
Human colon cancer cell line, Colo-205 cells were treated with DMSO control or AS-0141. After washout of the inhibitor, the cells were further incubated in the same media for 0 or 24 h and subjected to western blot analysis.



the inhibitory effect of AS-014 on the phosphorylation of MCM2 in cells continued up to 24 h after washing out

J Med Chem. 2021 Oct 14;64(19):14153-14164.

 AS-0141 potently inhibited growth in a wide range of tumor cell lines, including solid and hematological tumors



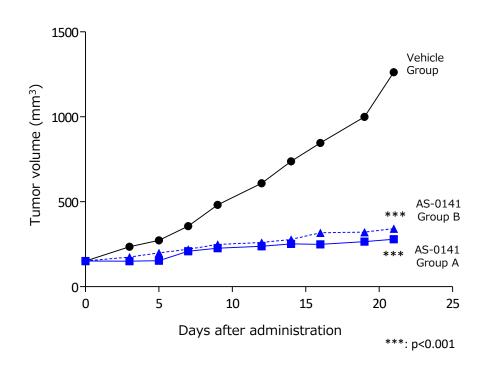
44 Cancer cell lines (Oncolines at NTRC)

AS-0141: Robust In Vivo Antitumor Efficacy

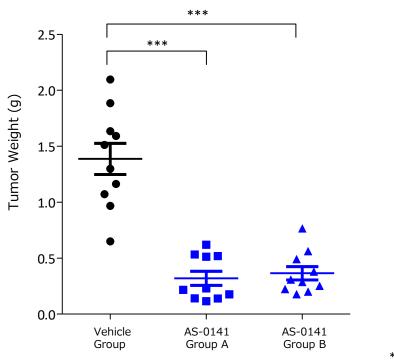


◆ In vivo antitumor efficacy of AS-0141 in a SW620 (human colon cancer) xenograft mouse model

Tumor Growth Curve (Mean, n = 10)



Final Tumor Weight of Each Mouse



***: p<0.001

AS-0141 group A: 60 mg/kg TID, 4d ON/2d OFF AS-0141 group B: 120 mg/kg QD

Deal with Brickell Biotech for STING Antagonist



In Feb. 2022, Carna and Brickell Biotech entered into a license agreement to grant Brickell the exclusive, worldwide rights to develop and commercialize Carna's portfolio of novel, potent, and orally available STING antagonists.



◆ Deal size	 ✓ Upfront payment of \$2 million ✓ Success-based development, regulatory, and sales milestone payment of up to \$258 million
◆ Royalty	✓ Tiered royalty payments ranging up to 10% of net sales

- Carna initiated the STING antagonist program in 2019 to create next wave of pipeline.
- The program was advanced to preclinical stage in Q4 2021.
- Carna can continue its own research on STING modulator (agonist/antagonist).
 (The antagonist research is limited to a new chemical scaffold in the filed of oncology.)

Successfully licensed non-kinase target project in a short period of time.



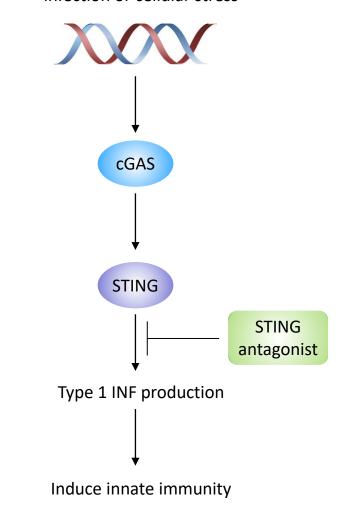
Demonstrated Carna's high level of expertise in small molecule drug discovery.

About STING



- ✓ The cyclic GMP-AMP synthase (cGAS) stimulator of interferon genes (STING) signaling pathway plays a central role in innate immunity.
- ✓ The cGAS-STING signaling is activated in response to the presence of cytosolic DNAs produced by microbial infection or cellular stress. The activated cGAS-STING signaling induces type I interferons (IFNs) production to trigger immune responses for host defense.
- ✓ It has been reported that aberrant cGAS-STING signaling is implicated in the pathogenesis of several diseases. Mutations in several genes have been identified that cause the constitutive activation of the cGAS-STING pathway, resulting in severe autoinflammation in lung, kidney, joint, etc.
- ✓ Moreover, numbers of non-genetic diseases are also suggested to be associated with the aberrant cGAS-STING signaling. These include a subset of systemic lupus erythematosus (SLE), rheumatoid arthritis (RA), and several cancers.
- ✓ There is a high unmet medical need to develop novel STING antagonists to treat these diseases. (ref.1)
- ✓ Recently, a research paper was published suggesting that STING antagonist has a potential to treat severe lung inflammation induced by SARS-Cov-2. (ref.2)
- 1) Decout A., et al. Nat Rev Immunol. 2021 Sep;21(9):548-569.
- 2) Di Domizio J., et al. Nature. 2022 Jan 19. doi: 10.1038/s41586-022-04421-w.

Cytosolic DNAs produced by microbial infection or cellular stress



Potential Revenue from Out-licensed Programs



 Carna is in license agreements with the pharmaceutical companies listed below and eligible to receive milestone payments upon achievement of certain development and commercial milestones. Carna will also receive royalties on future net sales.

< License/joint research agreements with pharmaceutical companies >

Partner	Compound (Target)	Upfront payment	Total milestone payments expected	Royalty	Region	Contract date
Sumitomo Pharma (Joint research)	Kinase inhibitor (Psychiatric and neurological disorders)	JPY80M (including research milestone)	JPY10.6B	Undisclosed	Worldwide	Mar. 2018
Gilead Sciences (Out-license)	Kinase inhibitor (Immuno- oncology)	\$20M	\$450M	Undisclosed	Worldwide	Jun. 2019
BioNova Pharmaceuticals (Out-license)	AS-1763	Undisclosed	\$205M	Up to two digits %	Greater China	Mar. 2020
Brickell Biotech (Out-license)	STING Antagonist	\$2M	\$258M	Up to 10%	Worldwide	Feb. 2022

^{*} The amount and timing of milestone payments as well as royalty rates are not disclosed due to the agreements with the partners.



Discovery Support (ddSP) Business

Drug Discovery Support (ddSP) Business Key Highlights



- Q2 sales at ddSP were JPY553 mn, increased 28.7% yoy.
 - ✓ In North America, sales increased 34.3% yoy. Sales of kinase protein, especially biotinylated proteins, were strong.

 Demand from biotech companies has been strong and we have acquired new clients including AI-driven drug discovery companies. Sales to Gilead also contributed.
 - ✓ In Japan, sales increased 6.2% yoy. While overall demand has been weak, cell-based assay service (agent business) was robust. Sales of kinase proteins were stable as well.
 - ✓ In other area including China, sales increased 138.7% yoy. Sales of kinase proteins were strong thanks to the continued expansion of the market. The export to China was affected by the lockdown in Shanghai. However, we achieved strong sales in Q2 thanks to various measures including a change in the transportation route.
 - ✓ In Europe, sales decreased 31.0% yoy. The demand was weak and the logistics was unstable due to the war in Ukraine. The shipment has stabilized after changing our logistic company.
- Expanding lineup of kinase proteins and profiling service
 - ✓ 15 kinase protein products, including high-demand mutant kinase biotinylated kinases, have been newly added to the line-up.
 - ✓ Launched a product and service website in Chinese for the convenience of users in China.



FY2022 Q2 Financial Results

Q2 FY2022 Consolidated Financial Results



(JPY million)	Q2 FY2021 Actual	Q2 FY2022 Actual	YoY Change	FY2022 Plan as of May 10	
Sales	430	839	+409 +95.2%	1,186	 Sales at ddSP were strong in the U.S. and China. Received an upfront payment from Brickell and a milestone payment from BioNova.
Operating Profit/Loss	(777)	(312)	+465	(1,672)	- Gross profit increased thanks to the upbeat sales at ddSP and sales recorded at ddRD.
Ordinary Profit/Loss	(774)	(306)	+468	(1,685)	
Net Profit/ Loss	(776)	(359)	+417	(1,740)	- Impairment loss of JPY42 million was recognized for lab equipment.
R&D Cost	877	745	-131 -15.0%	2,166	- Plan to invest in R&D as initially planned.

Note: Rounded down to the nearest million yen.

ddRD: Drug Discovery R&D business ddSP: Drug Discovery Support Business

Q2 FY2022 Results by Business Segment



(JPY million)	Q2 FY2021 Actual	Q2 FY2022 Actual	YoY Change	FY2022 Plan as of May 10	Q2 FY2022/ FY2022 plan	
Total Sales	430	839	+409 +95.2%	1,186	70.8%	
ddSP business	430	553	+123 +28.7%	900	61.5%	- Sales of kinase proteins were strong in the U.S. and China.
ddRD business		286	+286	286	100%	Received an upfront payment from Brickell Biotech.Received a milestone payment from BioNova.
Total Operating Profit/Loss	(777)	(312)	+465	(1,672)	1	
ddSP business	145	235	+90 +62.1%	300	78.2%	- Gross profit increased as a result of an increase in sales.
ddRD business	(922)	(547)	+375	(1,972)	_	- Operating loss was smaller than the previous year thanks to an upfront payment and a milestone payment.

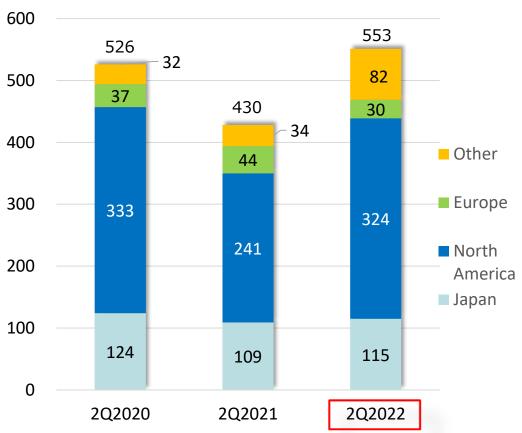
Note: Rounded down to the nearest million yen.

ddRD: Drug Discovery R&D business ddSP: Drug Discovery Support Business

Q2 FY2022 Discovery Support (ddSP) Business Sales by Region







- ☐ Japan: Increased 6.2% YoY
- Sales increased 6.2% yoy thanks to robust cellbased assay service sales and stable kinase protein sales while profiling service sales were weak.
- North America: Increased 34.3% YoY
- Sales of kinase proteins were strong.
- Europe: Decreased 31.0% YoY
- Sales declined as both kinase proteins and profiling service were weak.
- Other: Increased 138.7% YoY
- Sales of kinase proteins were strong in China.

Consolidated Balance Sheet

Share price of Carna



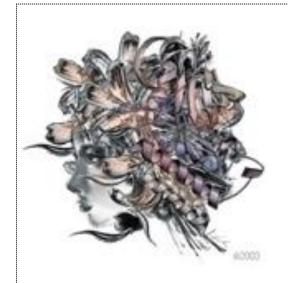
(JPY million)	As of Dec. 31, 2021	As of Jun. 30, 2022	Change	Reason for changes
Current assets	5,318	5,058	-260	Accounts receivable-trade -1,113 Cash and deposits +866
Cash and deposits	3,817	4,684	+866	+1,128 from a milestone payment recorded as sales in Dec. 2021
Non-current Assets	114	159	+45	
Total assets	5,432	5,218	-214	
Current liabilities	774	485	-289	Accounts payable -77
Non-current liabilities	342	307	-35	Long term loans payable -59 Bonds payable -14
Total liabilities	1,116	792	-324	
Total net assets	4,315	4,425	+110	Capital stock and capital surplus +348, Retained earnings -359
Total liabilities and net assets	5,432	5,218	-214	
Shareholders' equity ratio	79.3%	84.7%		
BPS	323.5 yen	323.3 yen		
PBR	3.4x	2.8x		

900 yen

1,102 yen

Note: Share price is the closing price of the term end.





"Carna" is a goddess of Roman mythology who takes care of human health, protecting the human heart and other organs as well as everyday life, and is said to be the root for the word "cardiac."

The word "biosciences" is derived from the words 'biology' and 'life sciences.'

Carna Biosciences has created contemporary Carna goddess with protein kinase.

Carna Biosciences, Inc.

Corporate Planning

BMA3F 1-5-5 Minatojia-Minaimachi,

Chuo-ku, Kobe 650-0047

https://www.carnabio.com/

ir-team@carnabio.com

This document was prepared for the sole purpose of providing information to investors and is not intended as a solicitation for investment.

The forward-looking statements contained in this document are based on our plans and estimation and do not imply a commitment or guarantee of actual outcomes.

Investors should aware that the actual performance of the company could be materially different from our current forecasts.

The statements on the industry and other information were prepared based on the data assumed to be reliable. However, no guarantee is given regarding the accuracy or completeness of the information.

This document is presented on the assumption that all investors will make use of this document on their own judgment and responsibilities regardless of their purposes. Therefore, we do not assume no responsibility for any consequence caused by using this document.