

40th Annual J.P. Morgan Healthcare Conference



Hanmi Pharmaceutical Co., Ltd.

Se Chang Kwon

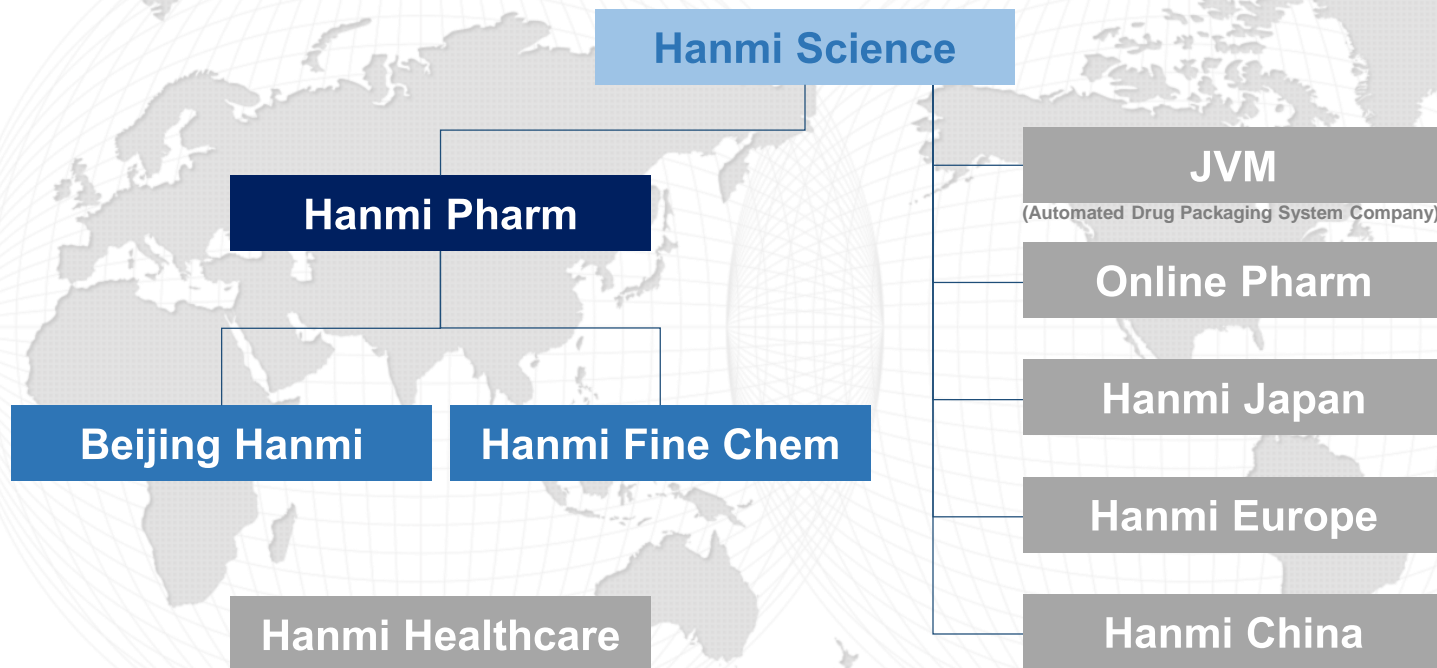
President & CEO

This presentation contains forward-looking statements with respect to future financial condition, results of operations and businesses of Hanmi Pharmaceutical Company. By their nature, forward-looking statements and forecasts involve risk and uncertainties because they relate to events and circumstances that will occur in the future. There are a number of factors that could cause actual results and developments to differ materially from those expressed in or implied by the forward-looking information and statements. These risks and uncertainties include, among other things, the loss or expiration of patents, marketing exclusivity or trade marks; exchange rate fluctuations; the risk that R&D will not yield new products that achieve commercial success; the impact of competition, price controls and price reductions; taxation risks; the risk of substantial product liability claims; the impact of any failure by third parties to supply materials or services; the risk of delay to new product launches; the difficulties of obtaining and maintaining governmental approvals for products; the risk of failure to observe ongoing regulatory oversight; the risk that new products do not perform as we expect; and the risk of environmental liabilities. Hanmi does not undertake any obligation to update or revise any forward-looking information or statements.

Who We Are



Hanmi is a leading R&D oriented company with fully integrated value chains in Korea and China



Our Businesses

Strong Strategic Alliances around the Globe

“We value our partners and our innovation”



MERCK

Genentech
A Member of the Roche Group

SPECTRUM
PHARMACEUTICALS

SANDOZ

Athenex

Innovent

RAPT
THERAPEUTICS

Allegro
OPHTHALMIC LLC

APTOS
BIOSCIENCES



25%
R&D staff



15% of sales
invested in R&D



30+ Innovative
R&D assets

Strong focus on R&D
Over +580 experts (Ph.D. 65, MS 332)

Innovative pipeline expansion through registration
engineered by 6 R&D centers in Korea & China

Sustained R&D investment

Strong commitment in R&D supported by investment
Multi-angle approach powered by strong internal R&D capacity

Powerful momentum
for successful open innovation

Combine internal & external expertise for successful R&D collaboration
Focus on patient-centered R&D across multiple therapeutic areas

***Strive to discover novel assets and cutting-edge technologies
through external sources of innovation***

Immuno-Oncology

- ✓ First-in-class, Novel target approach
- ✓ Synergistic effects with Hanmi



Inflammation & Fibrosis

- ✓ First-in-class
- ✓ Multiple MoA
- ✓ Disease-modifying therapy
- ✓ Cardiovascular, Renal and Metabolism
- ✓ Synergistic effects with Hanmi

New Modality

- ✓ mRNA Technology and delivery system
- ✓ Next disruptive platform technology

















Rare Disease & CNS

- ✓ First-in-class
- ✓ Neuro-inflammation
- ✓ Co-development Collaboration



RESEARCH UPDATE

Innovative R&D Pipeline (Dec 2021)

	Pre-Clinical	Phase 1	Phase 2	Phase 3 / Registration
13 Oncology	HM97662 (EZH1/2 Dual Inhibitor) Solid tumors / Hematology malignancies	Belvarafenib (Pan-RAF Inhibitor) Solid tumor 	Poziotinib (Pan-HER Inhibitor) Solid tumor, NSCLC (Japan) 	Rolontis® (Eflapegrastim)  Neutropenia (CIN) Launched in Korea
	BH3120 (PD-L1/4-1BB BsAb) Solid tumor	HM43239 (Myeloid Kinome Inhibitor) AML 	FLX475 (CCR4 inhibitor) Gastric Cancer  	Poziotinib (Pan-HER Inhibitor) NSCLC 
	BH3620 (Undisclosed BsAb) Targeted immuno-oncology	IBI315/BH2950 (PD-1/HER2 BsAb) Solid tumor 		Oraxol (Oral Paclitaxel + Encequidar) Advanced Breast cancer 
	HM16390 (LAPSLIL-2 Analog) Solid tumor	Rolontis® (Eflapegrastim)  Neutropenia (CIN) Same-day dosing		
8 CVRM/Fibrosis	HM14320 (LAPSGlucagon Combo) Obesity/NASH/Diabetes	HM15136 (LAPSGlucagon Analog) Obesity	Efinopegdutide (LAPSGLP/GCG) NASH 	Efpeglenatide (LAPSExd4 Analog) Diabetes/CVRM
	HM14220 (LAPSIInsulin Combo) Diabetes	HM12460A / HM12470 (LAPSIInsulin) Diabetes	HM15211 (LAPSTriple Agonist) NASH	
	HM12480 (LAPSIInsulin148) Diabetes			
5 Rare Diseases	HM15450 (LAPASB) Mucopolysaccharidosis	Luminate® (Integrin inhibitor) Retinitis Pigmentosa 	HM15136 (LAPSGlucagon Analog) Congenital hyperinsulinism	
			HM15912 (LAPSGLP-2 Analog) Short bowel syndrome	
			Efpegsomatropin (LAPShGH) GH deficiency	
4 Others	HM72524 (mRNA/LNP) COVID-19 variants vaccine		Luminate® (Integrin inhibitor) Diabetic Macular Edema 	
			Poseltinib (BTK Inhibitor) Autoimmune/Allergic diseases	
			Oraxol (Oral Paclitaxel + Encequidar) Angiosarcoma 	

Oncology : Focusing on Novel Assets

Sustaining Novel cancer drug Innovation through Internal and External expertise

Programs Under Development

Poziotinib <i>Pan-HER inhibitor</i>	HER2 Exon20 NSCLC (1L/2L) <i>Registrational Studies Ongoing</i>	
Belvarafenib <i>Pan-RAF inhibitor</i>	Solid Tumors <i>(NRAS melanoma) Phase 1b</i>	 <small>A Member of the Roche Group</small>
	Solid Tumors <i>(BRAF Class 2/3 fusion Basket Trial) Phase 1b</i>	
HM43239 <i>Myeloid Kinome Inhibitor</i>	Acute Myeloid Leukemia <i>Phase 1b</i>	
FLX475 <i>CCR4 antagonist</i>	Solid Tumors <i>Phase 2</i>	
HM97662 <i>EZH1/2 dual inhibitor</i>	Multiple Indications <i>Preclinical</i>	<i>Open for partnership</i>
HM16390 <i>LAPS IL-2 Analog</i>	Multiple Indications <i>Preclinical</i>	<i>Open for partnership</i>

Under Registration

Rolontis® <i>LAPS- GCSF</i>	Chemo-induced Neutropenia <i>Korea Launched</i> <i>US BLA to be Resubmitted</i>	
Poziotinib <i>Pan-HER inhibitor</i>	HER2 Exon20 NSCLC (2L) <i>US NDA Submitted</i> <i>Fast Track Designated</i>	

Oncology : Pan-HER Inhibitor (Poziotinib)

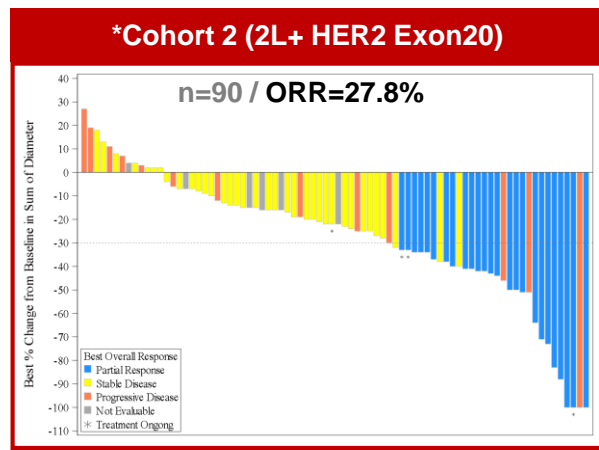
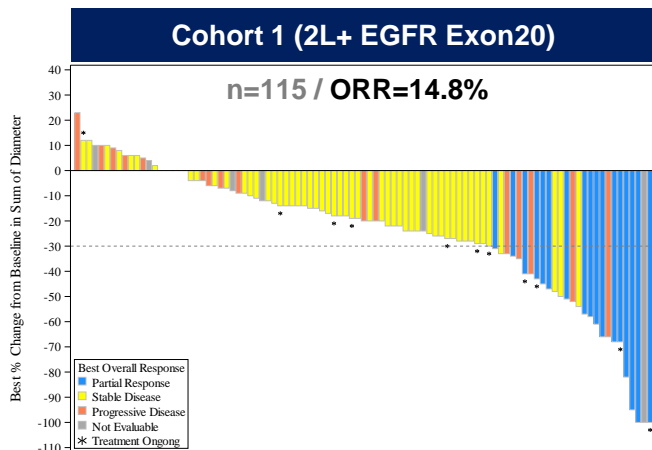
ZENITH20 Registrational Trial

Cohort 1 (n=87)
2L+ EGFR exon20 NSCLC
Fully Enrolled

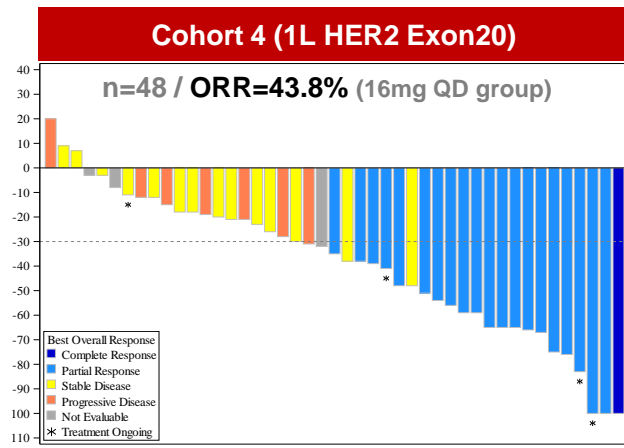
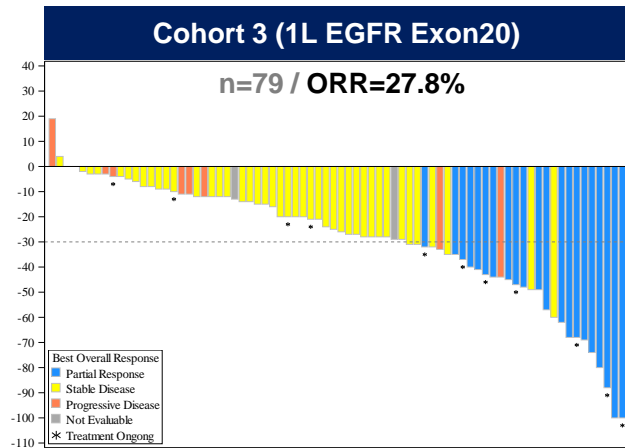
***Cohort 2 (n=87)**
2L+ HER2 exon20 NSCLC
Fully Enrolled

Cohort 3 (n=70)
1L EGFR exon20 NSCLC
Fully Enrolled

Cohort 4 (n=70)
1L HER2 exon20 NSCLC
Ongoing



US NDA submitted

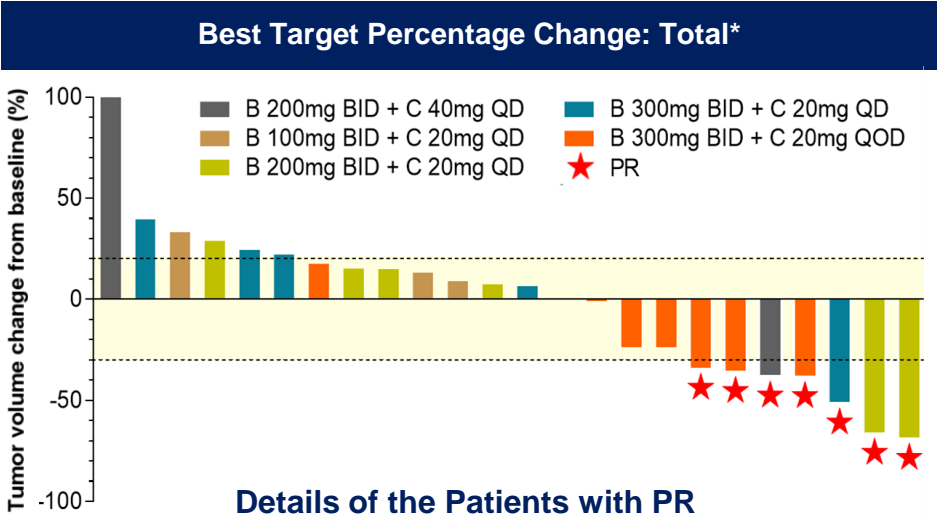


Oncology : Pan-RAF inhibitor (Belvarafenib)

Promising anti-tumor activity in advanced solid cancers harboring RAS- or RAF- mutation

- Best tumor volume decrease (-68.3%) in NRAS melanoma
- Global Ph1b with NRAS melanoma sponsored by Genentech
- Global TAPISTRY basket trial with BRAF class II/III by Roche

Clinical Ph1b	2020	2021	2022
KRAS G13D CRC	KR		
BRAF V600 CRC	KR		
NRAS melanoma	KR	Genentech	Global
RAS-/RAF-m Basket	KR		
BRAF V600 melanoma	KR		Roche
BRAF class II/III fusion	KR	Global (Basket)	
BRAF V600 CRC			KR

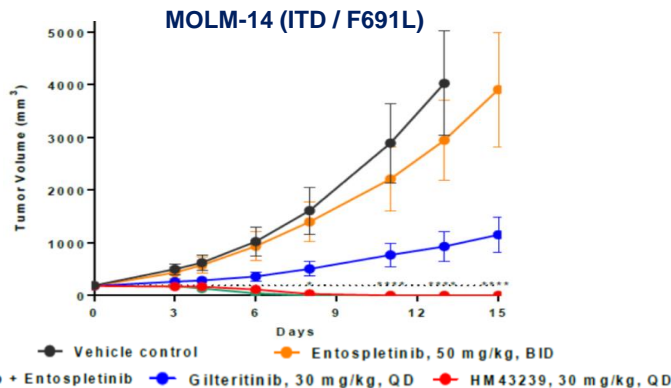


Mutation Subtype	Cancer Type	Best Target Change
NRAS Q61R	Melanoma	- 68.3 %
NRAS Q61K	Melanoma	- 65.9 %
BRAF V600E	Melanoma	- 50.8 %
NRAS Q61R	Melanoma	- 37.7 %
KRAS G13D	CRC	- 37.5 %
NRAS Q61K	Melanoma	- 35.2 %
NRAS Q61	Melanoma	- 33.7 %

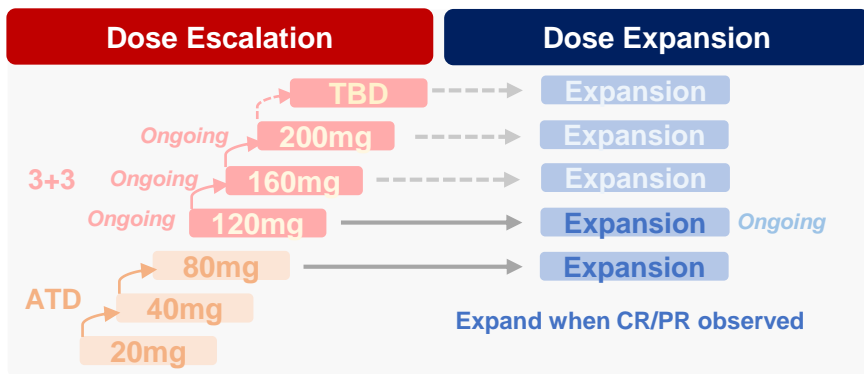
*Presented at ASCO 2021 by Dr. Sang Joon Shin 11

Oncology : Myeloid Kinome Inhibitor (HM43239)

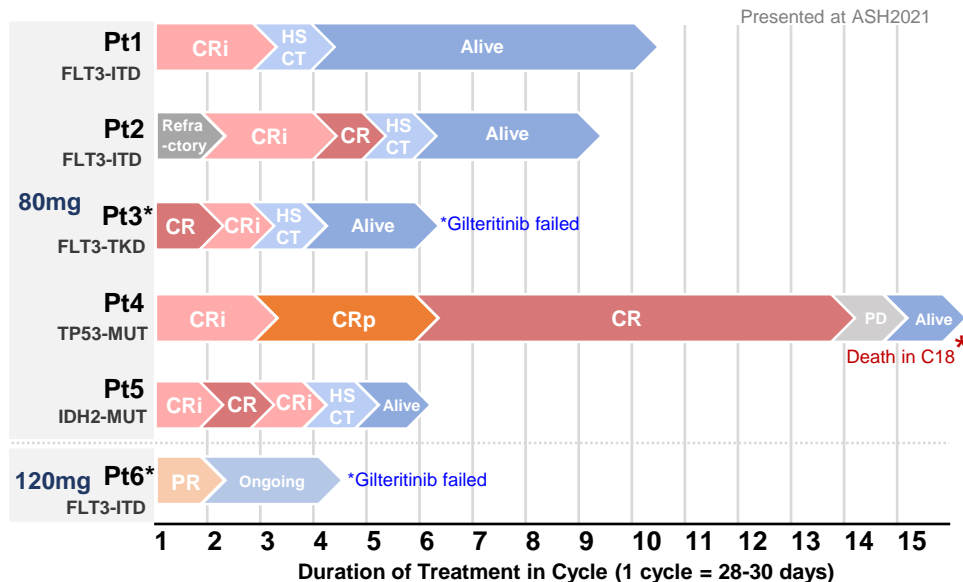
Comparable activity observed against resistance cell lines



Phase 1/2 Study Design: FLT3 mutated or wild-type AML



HM43239 showed encouraging activity in R/R AML patients across several key disease genotypes



- Phase 1/2 Study is actively ongoing (US/KR)
- US ODD designated for AML (Oct 2018)
- Licensed out to Aptose Biosciences (Nov 2021)

Next generation EZH1/2 dual inhibitor

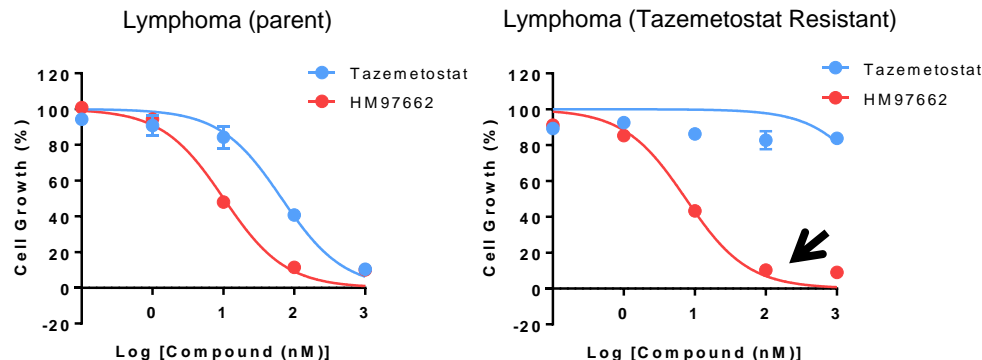
- ✓ Overcoming the resistance from EZH2 selective inhibitor
- ✓ Effective tumor volume decrease at lower dose
- ✓ Enhanced EZH1 inhibition activity compared to other EZH1/2i
- ✓ Potential synergistic effects in combination

EZH1 and EZH2 inhibition activity of HM97662

Inhibition activity against EZH1/2

IC ₅₀ (nM)	EZH1	EZH2
HM97662 (EZH1/2i)	16 ↘	2.1
Tazemetostat (EZH2i)	188	2.8

Activity of Tazemetostat and HM97662 in resistant cell



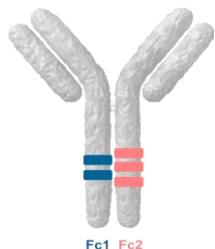
Based on encouraging preclinical data,

First-in-Human study will be initiated in 2022

- Phase 1 IND submission is anticipated (1Q 2022)
- Phase 1 FIH study initiation in KR, AU, US (2Q 2022)
- Dose-escalation/expansion study planned (3-4Q 2022)

Bispecific Antibody Platform Technology

PENTAMBODY™ Platform Technology



- ☒ Simple and Robust Bi-specific Platform
- ☒ Enhanced Stability and Manufacturability
- ☒ Platform in-human Validation On-going (Ph1)

Programs Under Development

BH2950/IBI315
PD-1/Her2

Solid Tumor

CN Phase 1b Ongoing

Innovent
*Co-development

BH3120
PD-L1/4-1BB

Solid Tumor

IND-enabling

Open for partnership

BH3012
PD-L1/CD47

Solid & Liquid Tumor
Preclinical Evaluation

Open for partnership

BH3737
Trop2 Biparatopic

Solid Tumor
Candidate Selected

Open for partnership

BH4503
BsAb ADC

Solid Tumor
Research Collab.(2021 2H)



PD-1/Her2 Phase 1a/b Clinical Study

Phase 1a:
Dose Escalation *No DLT/MTD

Phase 1b:
Dose Expansion

15 mpk, Q2W/3W

10 mpk, Q2W

3 mpk, Q2W

1 mpk, Q2W

0.2 mpk, Q2W



1 PR (BC)



1 PR (CRC)



1 PR (BC)

RP2D

Monotherapy

Combo w/ Chemo.

First-in-class, First-in-human
PD-1/Her2 Bispecific Ab

- Phase 1a dose escalation completed : No DLT/MTD observed
- Showed promising efficacy and safety profile in cancer patients
- Phase 1b dose expansion ongoing : PoC available by 1H 2022

Metabolic Diseases : Focusing on Novel Assets

Exploring the potential for expanding indications

To maximize the value of innovative drugs

Programs Under Development

Efpeglenatide GLP-1	Diabetes/CVRM Phase 3	Exploring Innovative Potential in CVRMs
Efinopegdutide GLP-1/Glucagon (Dual Agonist)	NASH Phase 2	MERCK
LAPSTriple Agonist HM15211 Glucagon/GIP/GLP-1	NASH Phase 2 PBC, PSC, IPF IND enabling study	FDA Fast track Open for partnership PBC & PSC (FDA ODD) IPF (FDA ODD, 2021.05)
LAPSGlucagon Analog HM15136 Glucagon	Hypoglycemia (CHI) Phase 2	Open for partnership
LAPSGLP-2 Analog HM15912 GLP-2	SBS Phase 2	Open for partnership

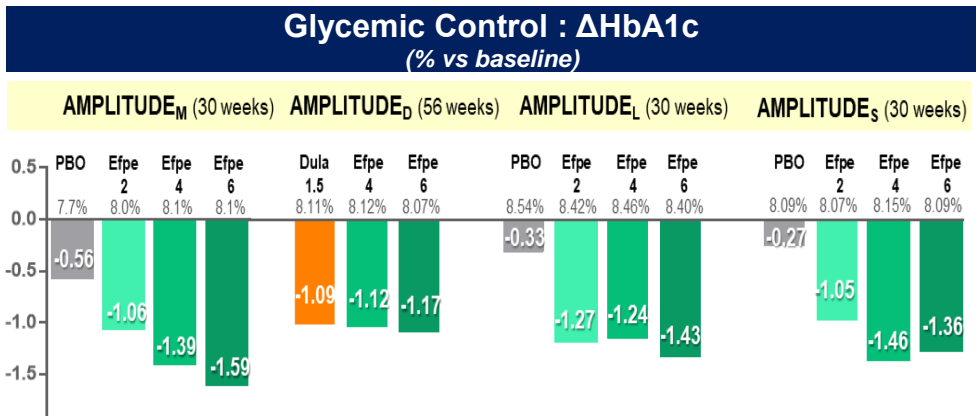
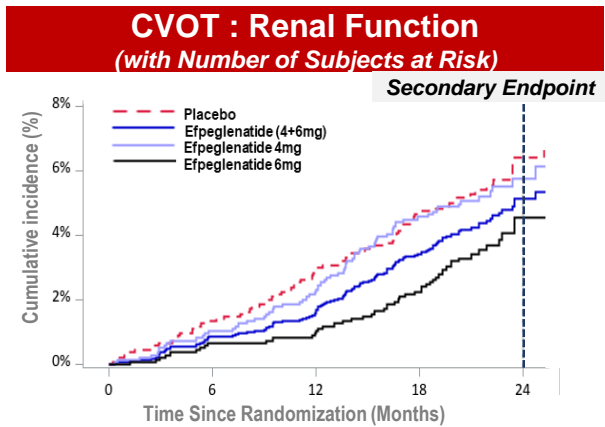
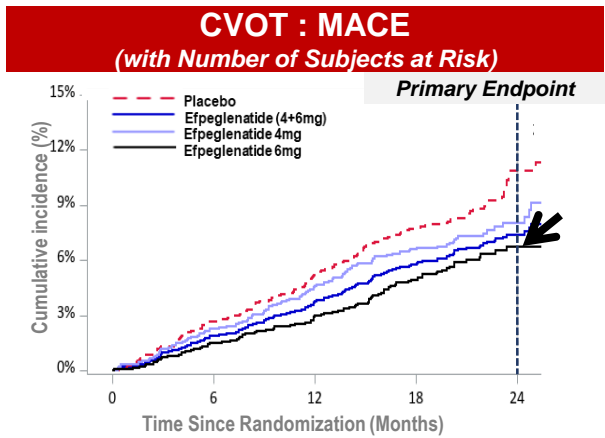
Key Highlight

LAPSTriple Agonist HM15211 Glucagon/GIP/GLP-1	Potent Liver fat Reduction P2b with Biopsy Confirmed NASH patients
LAPSGLP-2 Analog HM15912 GLP-2	First "Monthly" GLP-2 drug P2 initiation with SBS-IF patients as monotherapy

CVRM: Cardiovascular Renal and Metabolism
NASH: Nonalcoholic steatohepatitis
PBC: Primary Biliary Cholangitis
PSC: Primary Sclerosing Cholangitis
IPF: Idiopathic Pulmonary Fibrosis
CHI: Congenital Hyperinsulinism

Diabetes : New Opportunity for CVRM¹

- Phase 3 Study**
- AMPLITUDE-O**
 (CVOT)
 N= 4076
- AMPLITUDE-M**
 (MONO)
 N= 406
- AMPLITUDE-D**
 (vs Dula)
 N= 908
- AMPLITUDE-L**
 (Add on to basal insulin)
 N= 370
- AMPLITUDE-S**
 (Add-on to Met ± SU)
 N= 312

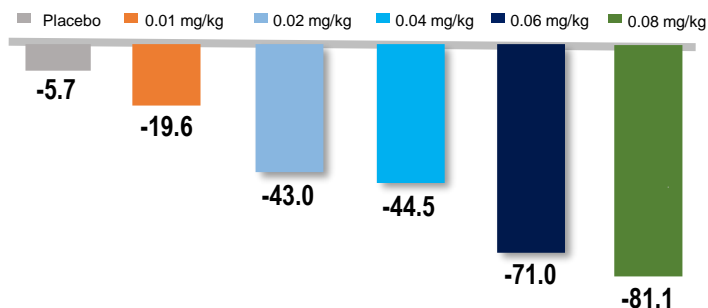


Outstanding cardiovascular benefits in addition to robust glycemic control

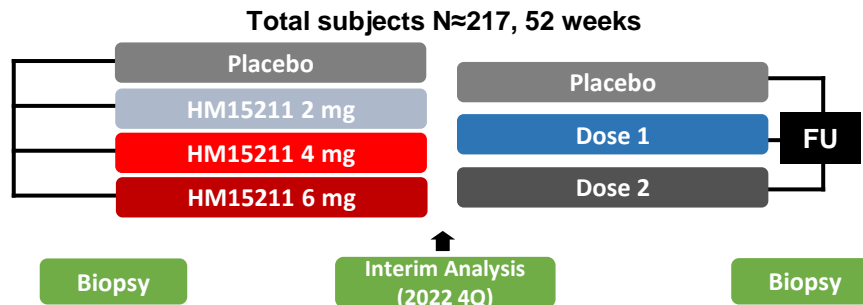
- Successfully completed most of Phase 3 AMPLITUDE studies
- Demonstrated superiority in MACEs & renal function outcomes²
- Comparable glycemic control and GI safety with other GLP-1RAs
- Sustaining innovation by exploring disease modifying effect on CVRM

*1Notes: Cardiovascular Renal and Metabolism
 *2Notes: Major Adverse Cardiovascular Events

Relative liver fat changes after 8 ~ 12 weeks
HM15211 treatment (by MRI-PDFF²)



Phase 2b Study Seamless Adaptive Design
(Biopsy-confirmed NASH and fibrosis F1-3, w/ or w/o T2DM)



Hepatic transcriptome, NASH/fibrosis in animal

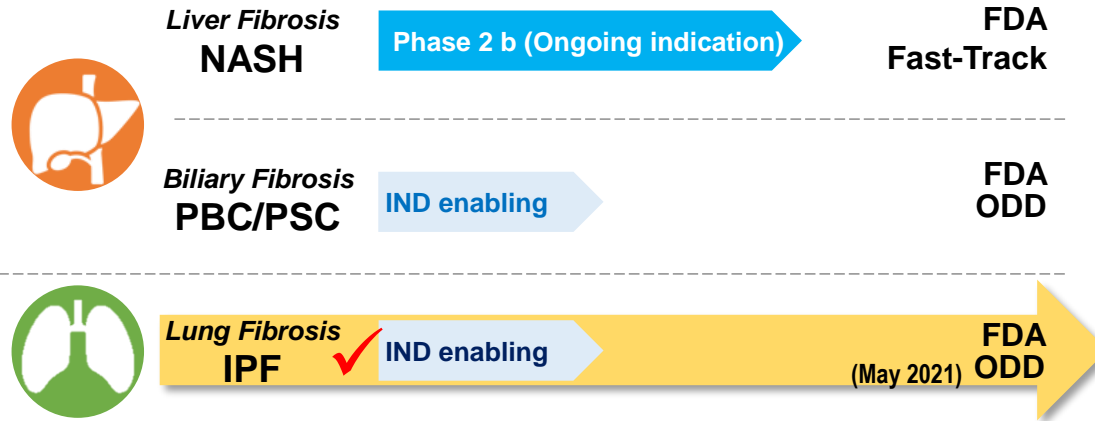
	HM15211 (Triple Agonist)		Semaglutide (GLP-1 Mono.)
Metabolic risk factors related to NASH/Fibrosis	Lipid metabolism (β-Oxidation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Inflammation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Fibrosis	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Multi-target engagement by optimized triple agonism “The right incretin for NASH / Fibrosis”

- Liver targeting leading to distinguished performance for liver fibrosis
- Differentiated hepatic lipid metabolism, anti-inflammatory and -fibrotic potential beyond GLP-1
- FDA fast-track granted: NASH (Jul 2020)
- Phase 2 study in biopsy-proven NASH / fibrosis patients (US, KR)

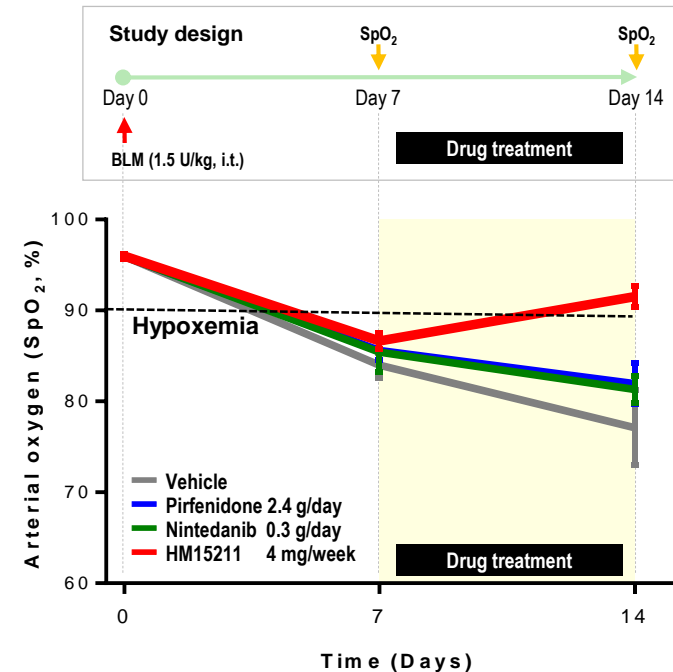
Creating better treatment for patients suffering from Fibrosis & Inflammation

Indications Under Development / Consideration



NASH: Nonalcoholic steatohepatitis
 PBC: Primary Biliary Cholangitis
 PSC: Primary Sclerosing Cholangitis
 IPF: Idiopathic Pulmonary Fibrosis
 COPD: Chronic Obstructive Pulmonary Disease

Change in SpO₂ over time in IPF animal model^{1,2}



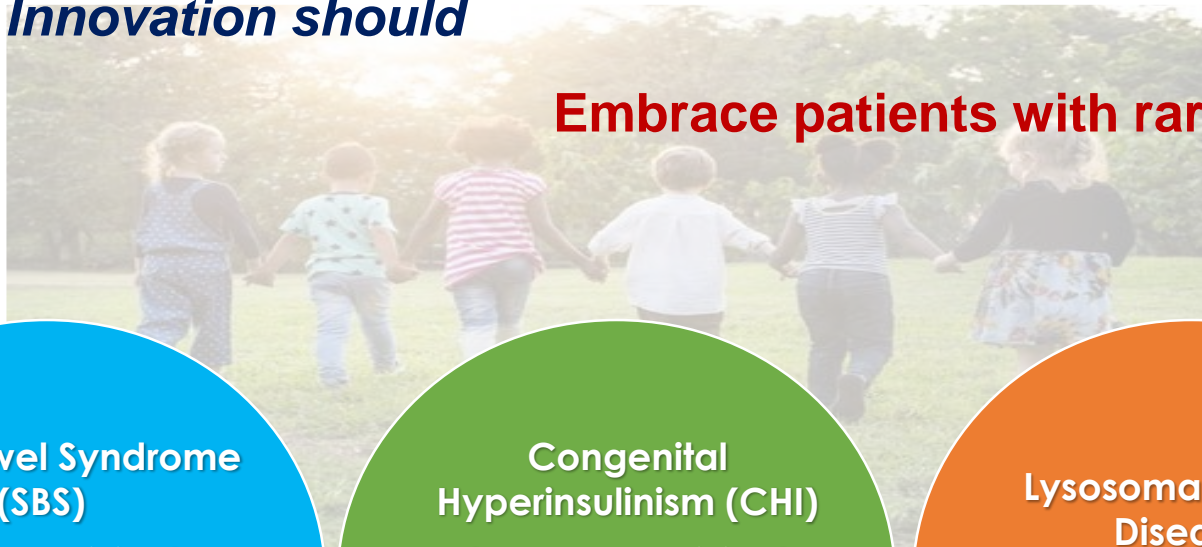
- Experimentally confirmed greater mortality improvement over existing IPF drugs

^{*1}Notes: Bleomycin (BLM)-induced IPF mice

^{*2}Notes: Average SpO₂ (Saturation pulse O₂) in normal group was used as baseline SpO₂

The True Innovation should

Embrace patients with rare disease



**Short Bowel Syndrome
(SBS)**
(3-4 per million)

Monthly GLP-2
Orphan Drug Designation
(ODD) in US & EU
(Jun. 2020)

**Congenital
Hyperinsulinism (CHI)**
(20-40 per million)

Weekly Glucagon
Orphan Drug Designation
(ODD) in US & EU
(Jun. 2020)

**Lysosomal Storage
Diseases**

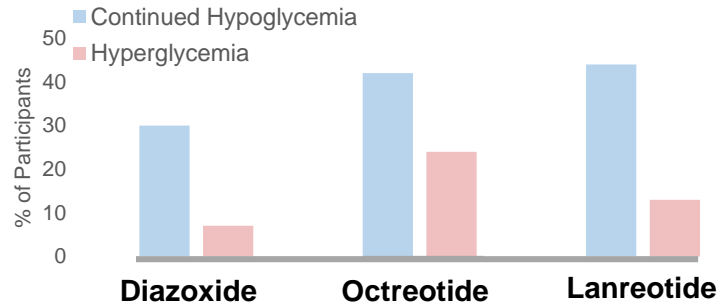
Long-acting Subcutaneous
Enzyme Replacement
Therapy

Congenital Hyperinsulinism : LAPS Glucagon Analog (HM15136) *Open for partnership*

Patients and Families Suffer from CHI¹

- ☒ One out of 50,000 children is developed with CHI
- ☒ Patients with diffuse CHI live with life-long treatment
- ☒ Insufficient treatments leading to high unmet needs
- ☒ Significant burden for patients and families

Medical Unmet Needs of Existing Treatment²



¹Notes: Congenital Hyperinsulinism

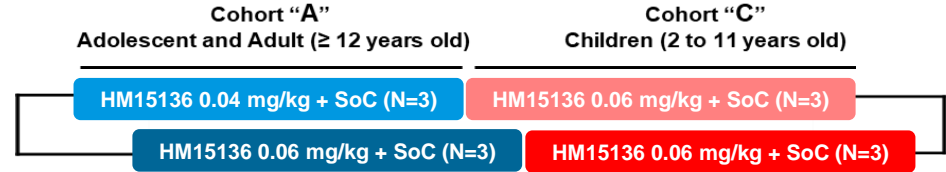
²Notes: HI Global Registry 2021 Annual Report . (n.d.). Retrieved from <https://congenitalhi.org/wp-content/uploads/2021/10/2021-HI-Global-Registry-Report-IRB-Approved.pdf>

³Notes: Orphan Drug Designation

⁴Notes: Rare Pediatric Disease

⁵Notes: Clinical trial No. NCT04732416

Phase 2, MAD, open-label, PoC study⁵ (CHI patient w/ ≥ 12 years old or 2 ~ 11 years old)



[Key efficacy endpoint]

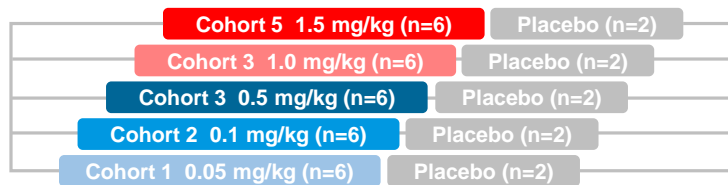
Change from baseline in number/rate of hypoglycemia

Proven concept for sustained glucagon engagement

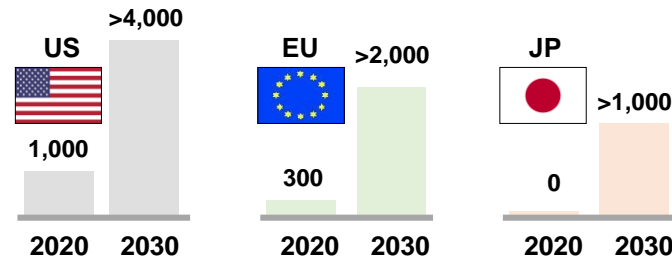
Novel option for preemptive treatment of CHI

- Differentiated MoA against existing treatment
- QoL for patients and caretakers through weekly injection & soluble formulation
- Prolonged blood glucose elevation across clinical trials
- ODD³ granted: CHI (US, EU, and KR) / RPD⁴ granted: CHI (US)
- Phase 2 study in CHI patients (US, UK, and DE)

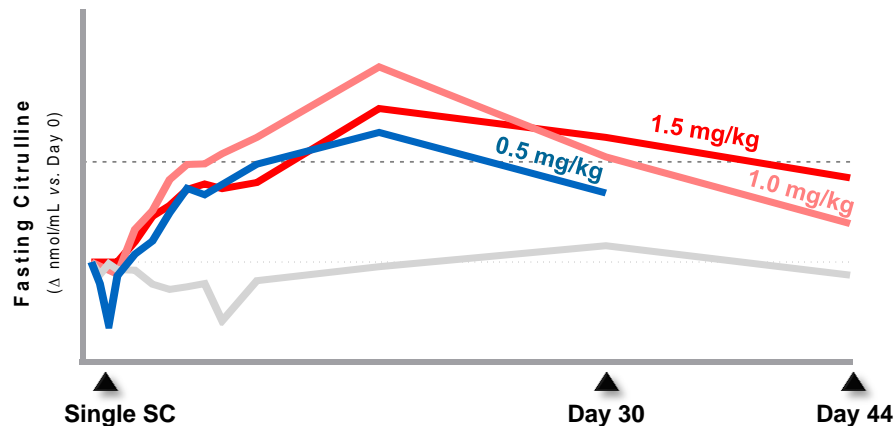
Phase 1 Study Design (SAD in Healthy volunteer)



Estimated number of treated SBS patients across major markets



Study Result¹: Fasting citrulline level



First 'Once-a-Month' injection

Medical and Quality of Life benefit

- Potent intestinotrophic action of LAPS^{GLP-2} analog
- The first "Once-a-Month" treatment option
- Ready-to-inject with soluble formulation

Clinical trial Status

- ODD grant in US and EU, RPD grant in US (Jun 2020)
- Fast track granted in US and France (Sep 2021)
- Phase 2 IND/CTA granted in with monthly regimen (Jan 2021, US; Aug 2021, Germany; Sep 2021, France & Poland)

¹Notes: Change from baseline
 ODD= Orphan drug designation; RPD= Rare pediatric disease
 IND= Investigational New Drug; CTA= Clinical Trial Application

Within organized internal infrastructure,
“ *mRNA platform successfully established* ”

01 Organization of mRNA platform / COVID-19 vaccine development

Goal: Build Hanmi's own mRNA platform
Preparation of Vaccine COVID-19 pandemic

- ✓ **Securing proprietary mRNA vaccine platform
& key starting substance**
- ✓ **Gene construct covering COVID-19 variants**
: including δ and \omicron variants
- ✓ **Preparation of Hanmi vaccine candidate for COVID-19**
: Significant neutralizing effect over current mRNA vaccine against delta variant as well as SARS-CoV-2



“*Diversified development strategy*”
For Post pandemic

02 Expansion to various disease area

Goal: Confirm therapeutic potential
“ Protein-based ” → “ mRNA-based ”

- ✓ **Cancer**
: monoclonal antibodies, modified interleukin, tumor antigen
- ✓ **Metabolic disorders & CVRM**
: Cytokine-based drug candidate
- ✓ **Enzyme replacement therapy**
: Focusing on Lysosomal storage disorders with high medical unmet needs and/or absence of treatment option (MPS III, Mucopolipidosis IV, Gangliosidosis, Krabbe's disease etc.)

✓ **Completed** ✓ **On-going**

COLLABORATION

Major R&D Achievements

History of Global Collaborations with partners

“The Way to Sustain Innovation and Growth”



Amosartan
Amlodipine+Losartan

2009



Rolontis®
Long acting GCSF

2012



Belvarafenib
RAF inhibitor

2016



Rosuzet
Rosuvastatin
+Ezetimibe

2018



Efinopegdutide
Weekly GLP/GCG
NASH

2020

2011



**Orascovery
Platform Tech**
Oral Paclitaxel / Irinotecan

2013



Rovelito
Irbesartan+Atorvastatin

2015



Poziotinib
Pan-HER inhibitor

2017



**Anti-PD-1/HER2
Bi-specific antibody**
Targeted Immuno-Oncology

2019



FLX475
CCR4 inhibitor,
Immuno-Oncology

2021



HM43239
Myeloid Kinome Inhibitor

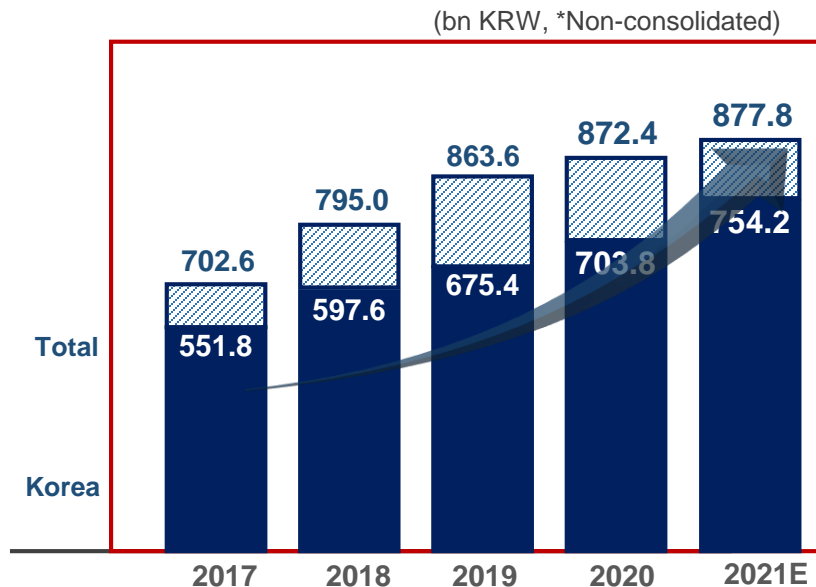
Value-added Programs

- Sustained growth in Korea with core value-added products
- Launching 2~3 products annually
- Seeking partners for emerging markets

Amosartan® Family Amlodipine + Losartan FDC** Amlodipine + Losartan + Rosuvastatin FDC** Amlodipine + Losartan + Chlorthalidone FDC** Amlodipine + Losartan + Rosuvastatin + Ezetimibe FDC**	Esomezol® Esomeprazole strontium IMD*
Rosuzet® MERCK Rosuvastatin + Ezetimibe FDC**	Amodipin® Amlodipine Camsylate IMD*
Rovelito® SANOFI Irbesartan + Atorvastatin FDC**	Pidogul® Clopidogrel napadislate IMD*
Hanmi Tams® Tamsulosin 0.2mg, 0.4mg, ODT IMD*	Gugutams® Tamsulosin + Tadalafil FDC**
Monterizine® Montelukast + Levocetirizine FDC**	Naxozol® Naproxen+ Esomeprazole strontium FDC**
	Rabone D® Raloxifene + Vit D FDC**

*IMD (Incrementally Modified Drug); **FDC (Fixed Dose Combination)

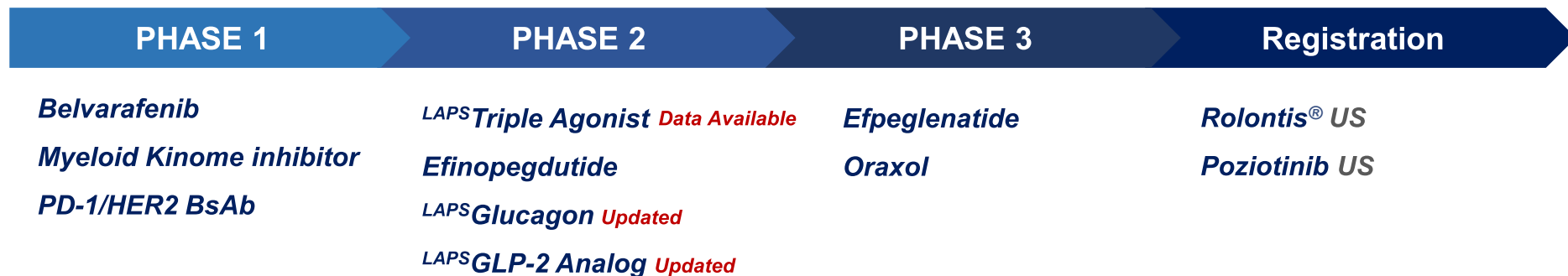
Top value-added products



Domestic business growth

HANMI OUTLOOK

- ✓ **Rolontis®** *The first commercial launch of a biologic with LAPS platform*
- ✓ **Poziotinib** *The potential first to market for HER2 Exon20 mutant NSCLC*
- ✓ **LAPS Triple Agonist** *Phase 2b study interim data from biopsy confirmed NASH patients*
- ✓ **LAPS Glucagon, LAPS GLP-2 Analog** *Phase 2 initiation for orphan diseases patients (CHI, SBS)*



“We are committed to deliver our innovation from Science to Patients”

Thank you

 **Hanmi Pharmaceutical Co., Ltd.**