

A background image showing a male scientist in a white lab coat and glasses looking through a microscope, and a female scientist in a white lab coat looking down at a piece of paper. The image is overlaid with large, semi-transparent orange and blue circles.

FY2023 Financial Results

12-month period ended December 31, 2023

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References to "FY" in this presentation for periods prior to 1 January 2018 are to the 12-month periods commencing in each case on April 1 of the year indicated and ending on March 31 of the following year, and the 9 month period from April 1 2017 to December 31 2017. From January 1 2018 the Company changed its fiscal year to the 12-month period commencing in each case on January 1. References to "FY" in this presentation should be construed accordingly.

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1

FY2023 Financial Results

Hironoshin Nomura, CFO

Financial summary for FY2023

2023 results incorporate transformational acquisition of Idorsia's Japan/APAC business.

1

Revenue of ¥12,766m (\$91m) vs. ¥15,569m (\$119m) in the prior year.

Revenue lower due to lack of new business development out-licensing upfront payments.

This reduction partially offset by the inclusion of ¥ 6,109m (\$43m) of PIVLAZ® sales in Japan.

2

Core Operating Loss of ¥3,075m (\$22m) vs. Core Operating Profit ¥5,856m (\$45m) in the prior year.

Decrease in profits due to decline in revenue and an increase in costs, including the planned increase in investment in Core R&D and the inclusion of additional core costs totaling ¥4,474m (\$32m) from the newly acquired Idorsia business.

3

Net Loss of ¥7,150m (\$51m) vs. Net Profit of ¥383m (\$3m) in the prior year.

Non-cash costs (incl. PIVLAZ® amortization) and non-recurring transaction related expenditures (professional fees). These were offset by a ¥3,486m / \$25m tax credit and the absence of equity accounting costs in 2023.

4

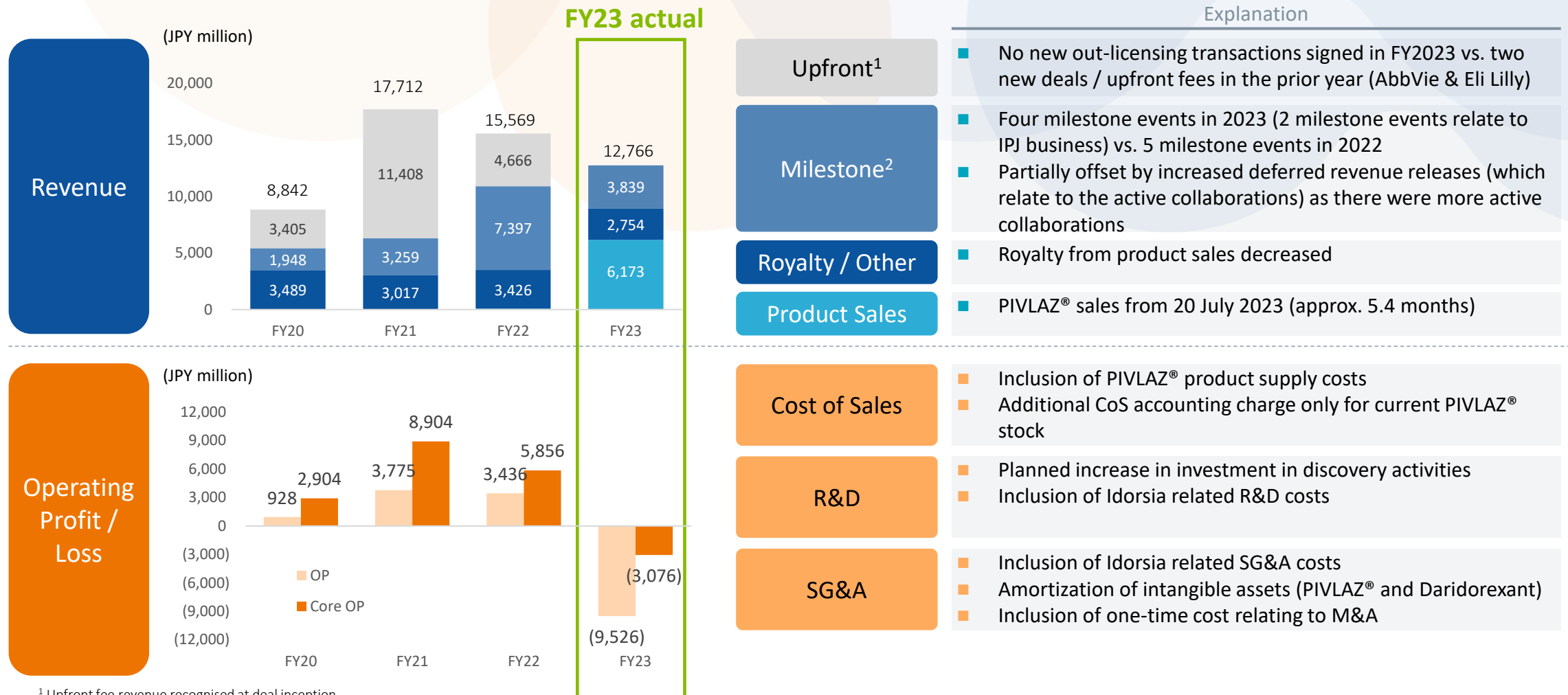
¥49bn (\$348m) cash balance as at December 31, 2023.

Strong cash balance maintained from the issuance of new shares (JPY2bn), a third-party allotment (JPY8bn) and partially funding the CHF399m / JPY 65bn Idorsia acquisition with a low interest rate bank loan with a 7-year term.

Note - USD:JPY FX rates used: Average rate YTD 2023 = 140.53; Average rate YTD 2022: 131.30; Spot rate Dec 31, 2023: 141.03

Key financial indicators

Product sales of PIVLAZ® made a significant contribution to total Revenue



¹ Upfront fee revenue recognised at deal inception

² Milestone revenue recognised at milestone event + deferred revenue releases

Breakdown of FY2023 result

Impact of Non-cash/Non-recurring costs on full-year result is more significant in 2023 due to M&A

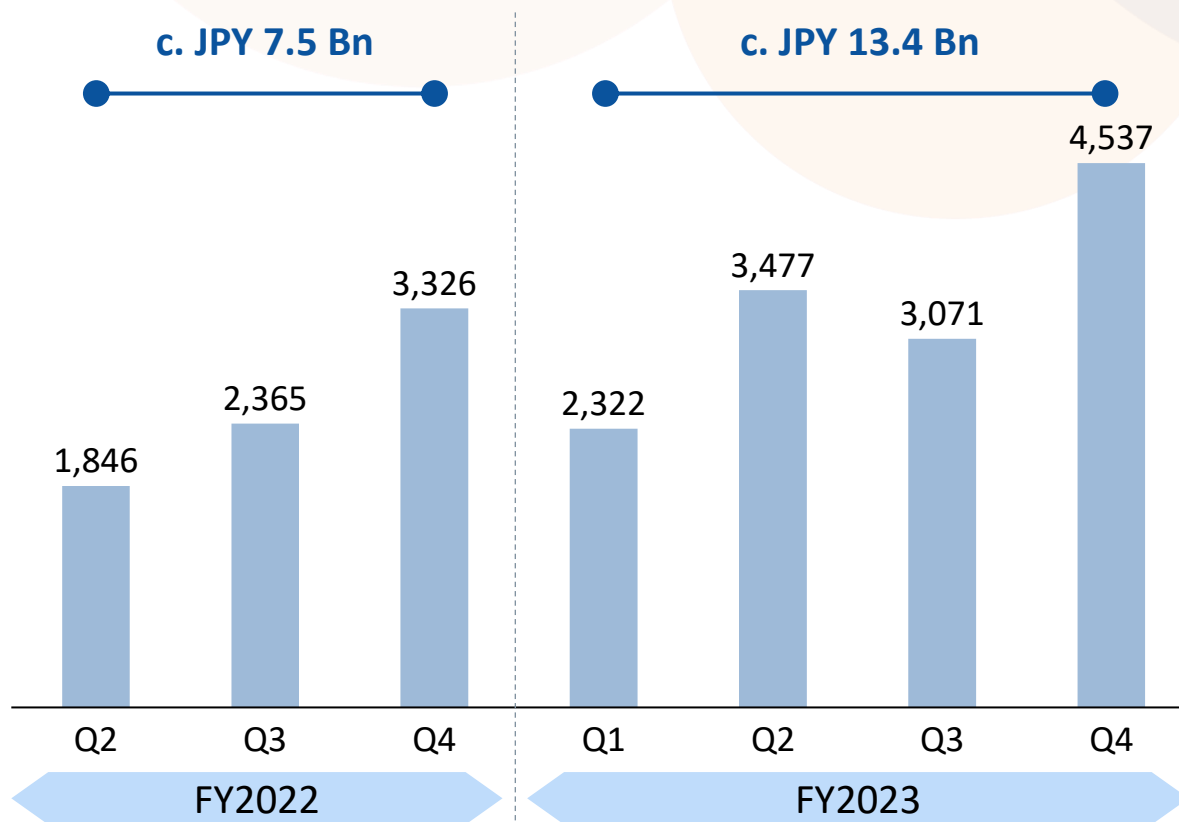
(JPY million)	Sosei Heptares* (12 months)	+ IPJ/IPK* (7/20-12/31:c.5.4month)	= Consolidated P&L (Core)	+ Non-cash cost	+ Non-recurring Costs	= Consolidated P&L (IFRS)
Revenue	5,157	7,609	12,766			12,766
Cost of Sales + SG&A	(3,791)	(3,697)	(7,488)	(611)	(1,812) Current PIVLAZ® stock (1,263) M&A-related fee	(13,067)
R&D	(8,426)	(778)	(9,204)	(871) Others		(10,075)
Other income	844	6	850			850
OP/Core OP	(6,216)	3,140	Core OP (3,076)			OP (9,526)
M&A related Adjustments (total. JPY 3,686 mil.)	<p>A Additional CoS charge only for current PIVLAZ® stock. This impact will continue until around mid 2024.</p> <p>B Amortization of intangible assets (relating to PIVLAZ® and Daridorexant). Annual charge to increase to c. JPY 1,700m per year from 2025.</p> <p>C One time M&A related fee covering the IPJ/IPK transaction and evaluation of other potential opportunities was fully charged in Q3 2023</p>					
Others	D Amortization of other intangible assets (e.g. IP), depreciation (e.g. laboratory equipment) and share-based payments					

* Sosei Group, Sosei Co. Ltd., Sosei K.K. and Heptares Therapeutics Ltd., IPJ: Idorsia Pharmaceuticals Japan, IPK: Idorsia Pharmaceuticals Korea

Full year product sales guidance

PIVLAZ® sales are projected to reach JPY 16+ billion* (c. 114+ million USD) in 2024

Actual Sales of PIVLAZ® (NHI base)



Target Sales in FY2024

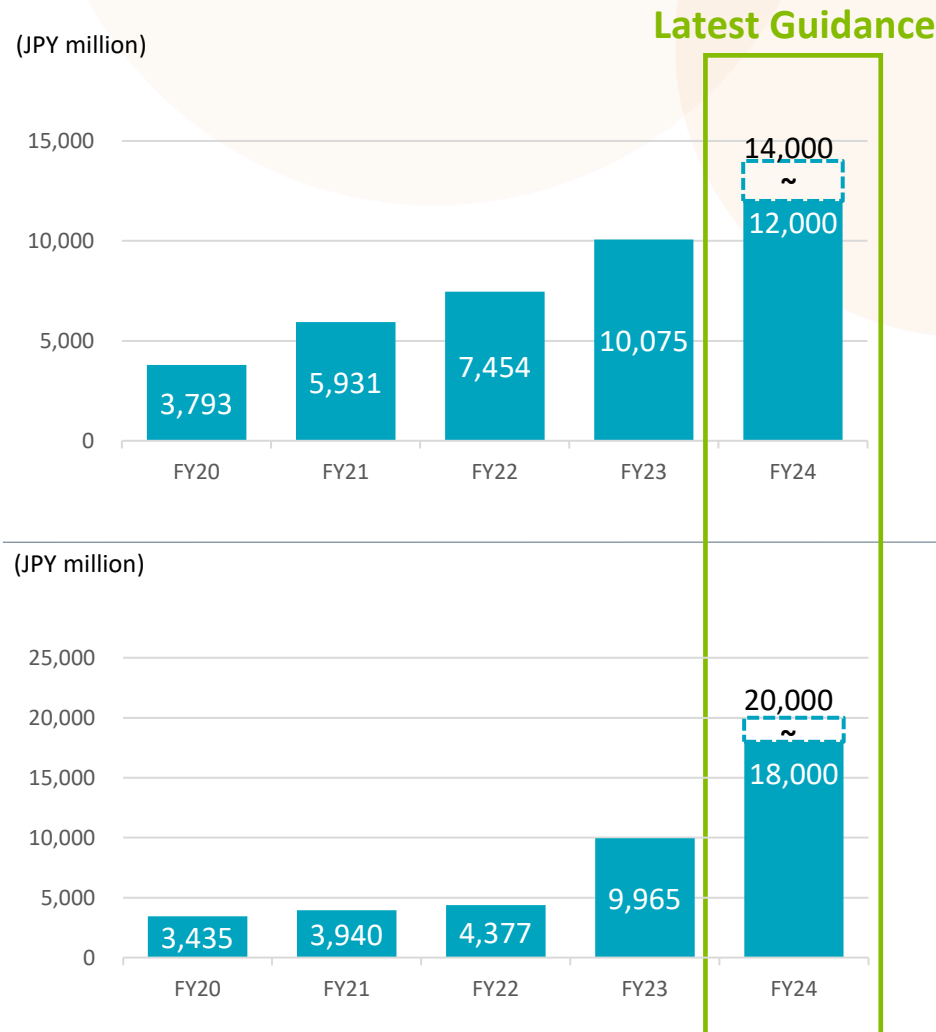
JPY 16.0 + Bn

Sales growth supported by higher level of evidence (included in 2023 Guideline Recommendation).

* NHI base sales
The assumed USD:JPY FX rate in 2024 is 140

Full year cost guidance

Incremental investment designed to deliver greater returns over the medium to long term



R&D expenses (IFRS basis)

¥12,000 to ¥14,000m

- Inclusion of IPJ/IPK cost**
 - Inclusion of IPJ/IPK R&D costs for a full year
- Strengthening capability**
 - Investment in discovery and translational medicine capabilities
- Advancing priority programs**
 - Maturity of several priority programs, incl. at least 1 clinical trial initiation
 - Advancing priority programs further in the clinic will deliver greater value through higher out-licensing revenues

S&M + G&A expenses (IFRS basis)

¥18,000 to ¥20,000m

- Inclusion of IPJ/IPK cost**
 - Inclusion of IPJ/IPK SG&A costs for a full year
 - Increase in amortization charge (c. JPY 700 mil.)
 - Increase in support for PIVLAZ® to drive growth, commercialization of Daridorexant in Japan and preparation for launch of PIVLAZ® in South Korea (c. JPY 2,000m)
- Post-merger integration**
 - Costs relating to the acquisition of IPJ/IPK (post-merger integration) are expected in 2024 (c. JPY 1,000m)

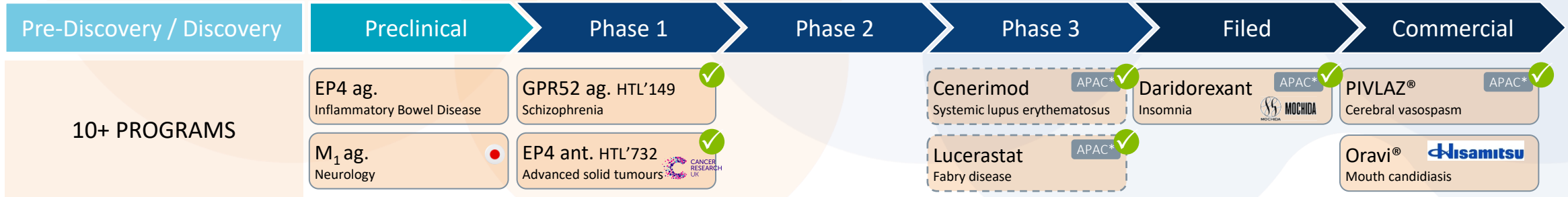
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Operational Highlights

Chris Cargill, CEO

Significant progress in 2023 across in-house and partnered programs

IN-HOUSE



PARTNERED



: Under regaining negotiation
 : Exclusive opt-in right
 : Updates of 2023

Note: Seebri®, Ultibro®, Energair® and Breezhaler® are registered trademarks of Novartis AG.
 Pref. ag.: Preferring agonist

2023 in review – a transformative year

CORPORATE MILESTONES

- ✓ Up-listed to **Tokyo Stock Exchange Prime Segment**
- ✓ **Acquisition of Idorsia Pharmaceuticals Japan & APAC (ex-China)**
- ✓ **Landmark investment from Japan Govt JIC VGI fund**

IN-HOUSE PROGRAMS

- ✓ **PIVLAZ®** receives **Marketing Approval** in **South Korea**
- ✓ **Japan NDA submission** of **daridorexant** for insomnia
- ✓ HTL'149 (**GPR52 Ag**) entered **Ph.1 study** for schizophrenia
- ✓ HTL'732 (**EP4 Ant**) entered **Ph.1/2a study** for advanced solid tumors

PARTNERED PROGRAMS

- ✓ **Neurocrine initiated Ph.1 studies** of muscarinic compounds (M1/M4, M1, M4 agonists) in neuropsychiatry
- ✓ **Pfizer initiated new Ph.1** of once daily oral GLP-1 Ag (PF'522)
- ✓ **Temporo Bio received Ph.1 FDA clearance** of TMP-301 (mGlu5 NAM) for substance abuse



2023 A YEAR OF CORPORATE ACTION AND INVESTMENT FOR FUTURE GROWTH

Performance against FY2023 objectives

Majority achieved. New high value partnership discussions are ongoing

FY2023 OBJECTIVES

FY2023 ACHIEVEMENT

	FY2023 OBJECTIVES	FY2023 ACHIEVEMENT
1 WORLD-LEADING DRUG DISCOVERY	1 Invest to enhance GPCR SBDD platform capability	 verily  PHARMENABLE KALLYOPE
2 MAJOR CASH FLOW GENERATING PARTNERSHIPS	2 Execute <u>at least one</u> new high value collaboration, and progress existing partnerships	 Ongoing
3 EVOLVE IN-HOUSE R&D	3 Advance <u>at least two</u> new in-house programs into first-in-human clinical trials	 GPR52 Ph1 start EP4 Ant Ph1/2a start
4 JAPAN COMMERCIAL PHARMA UNIT	4 Take <u>clear steps to build</u> a Japan Commercial Pharma Unit	 idosia <small>Japan Korea</small>

Exposed to the fastest growing areas of medicine

Muscarinic agonism in neuropsychiatry, plus current and next-gen targets for metabolic diseases

Neuropsychiatry: latest news

- 22 December 2023: Bristol Myers Squibb to acquire Karuna Therapeutics for c.US\$14bn
 - Novel medicine KarXT (**M1/M4 receptor agonist**) [LINK](#)
- 6 December 2023: AbbVie to acquire Cerevel Therapeutics for c.US\$9bn
 - Novel medicine Emraclidine (**M4 receptor PAM**) [LINK](#)

Metabolic disease: latest news

- 23 January 2024: Novo Nordisk partners with EraCal Therapeutics for up to US\$255m for novel obesity medicine
 - **Oral small molecule appetite suppressor for obesity** [LINK](#)

M4 agonist; dual M1/M4 agonist ✓



Largest portfolio of oral small molecule muscarinic agonists in development globally. Broad M4; M1/M4 and M1 agonism **for neuropsychiatric disorders**

GPR52 agonist (in-house) ✓



HTL'149 (Ph.1) **novel FIC oral small molecule GPR52 agonist for schizophrenia**

GLP-1 agonist ✓



PF'522 (Ph.1) **oral small molecule GLP-1 agonist for metabolic disease**

Beyond GLP-1 agonists ✓



Multiple pre-discovery/discovery oral small molecules for obesity

Next-generation targets (in-house) ✓



Upstream of incretin targets, a **novel oral small molecule appetite suppressor**

PERFECTLY POSITIONED WITH THE RIGHT PARTNERS IN THE FASTEST GROWING AREAS OF MEDICINE



3

Development and Sales in Japan and APAC

Dr. Satoshi Tanaka, President of IPJ

PIVLAZ® Our first commercially available medicine protecting Japanese lives every day



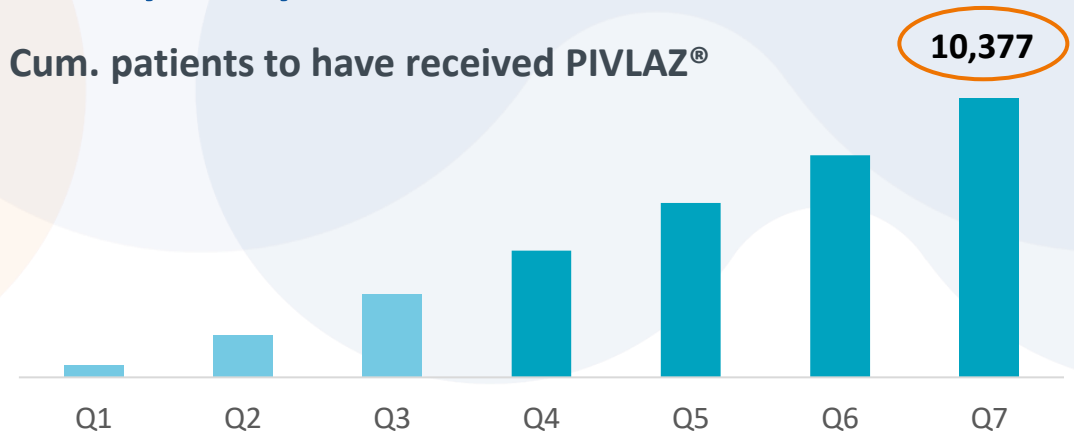
JP GUIDELINES INCLUSION FOR MANAGEMENT OF STROKE¹

- Aug '23: Authorized and recommended by the **Japanese Stroke Society**
- Demonstrated the true endpoints of **Subarachnoid Hemorrhage (SAH)** with higher level of evidence
- Provides confidence to neurosurgeons to **prescribe PIVLAZ® as a new standard of care** for SAH based on strong evidence it can prevent delayed cerebral ischemia and poor outcomes

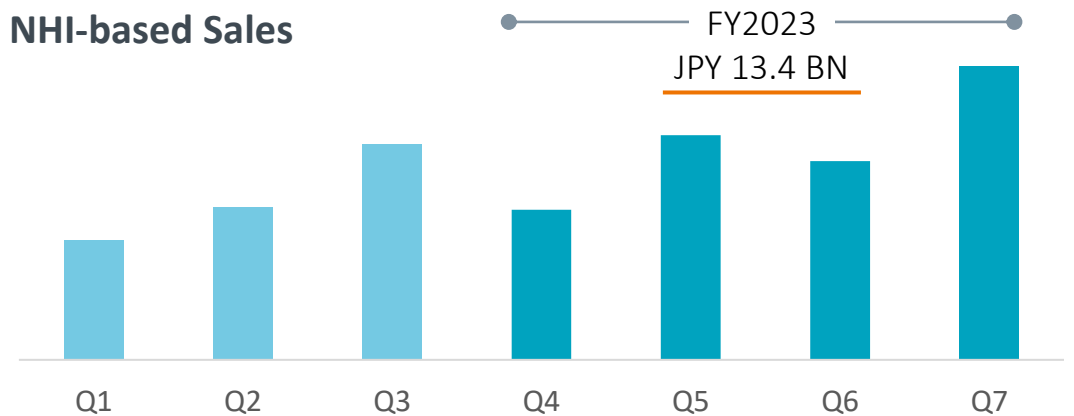
MARKETING APPROVAL FOR SOUTH KOREA

- Dec '23: Received Marketing Approval in South Korea
- Early 2025: Commercially available to patients

Cum. patients to have received PIVLAZ®



NHI-based Sales



PIVLAZ® RAPIDLY BUILDING REAL WORLD EVIDENCE MITIGATING THE RISK OF CEREBRAL VASOSPASM

¹ Japanese Stroke Society Guideline 2021 for the Management of Stroke (Revised Version 2023)

Daridorexant J-NDA filed; expected launch in late 2024

Daridorexant will contribute significantly to Japanese society



Impact of Insomnia on Japanese Society



15 TRILLION YEN (3% GDP)

ECONOMIC LOSS

Due to decreased productivity



604,000

LOST WORKING DAYS / YEAR

Due to absences and sick leave



10%

HIGHER MORTALITY RISK

If average <6 hrs sleep per night

Q4 2024 POTENTIAL LAUNCH IN JAPAN

- Oct-23: J-NDA submitted for the approval of daridorexant, a **dual orexin receptor antagonist**, for the treatment of **adult patients with insomnia**
- NDA includes robust Ph 3 trial data demonstrating **improved Total Sleep Time** and **Latency for Sleep Onset**, while maintaining a **favorable safety profile**
- Daridorexant is marketed in the U.S. and Europe as **QUVIVIQ™** by Idorsia Pharmaceuticals Ltd (Switzerland)
- In Japan, Idorsia Pharmaceuticals Japan and **Mochida Pharmaceutical Co., Ltd** have co-developed and plan to co-market daridorexant pending Japan approval

THE IMPACT OF SLEEP DISORDERS ON JAPANESE SOCIETY IS SIGNIFICANT.

DARIDOREXANT IS A BEST-IN-CLASS SOLUTION FOR INSOMNIA

Source: "Why sleep matters – the economic costs of insufficient sleep" (2016) RAND Research Reports

4

R&D Progress

Dr. Matt Barnes, President of Heptares
and Head of UK R&D

Clinical partnered programs

Significant progress through 2023

Schizophrenia

NBI-1117568 M4 Ag Phase 2

NEUROCRINE
BIOSCIENCES

- Oral M4 agonist for the potential treatment of adults with schizophrenia
- Anticipating Phase 2 top-line data in 2H 2024**

Neuropsychiatry

✓ NBI-1117569 M4 Ag Phase 1

NEUROCRINE
BIOSCIENCES Dec. '23

- Oral M4-preferring agonist studied for the treatment of neurological and neuropsychiatric conditions
- Phase 1 study started**

Metabolic

✓ PF-06954522 GLP-1 Ag Phase 1

Pfizer Aug. '23

- Oral small molecule GLP-1 receptor agonist
- Phase 1 clinical trials started**

Inflammatory bowel disease

PF-070548942 CCR6 Ant Phase 1

Pfizer

- Ongoing **Phase 1b study is progressing** as planned
- Expected to be completed within 2024

Neuropsychiatry

✓ NBI-1117570 M₁M₄ Ag Phase 1

NEUROCRINE
BIOSCIENCES Sep. '23

- Oral selective M1/M4 dual agonist **progressed into Phase 1** clinical trials for potential treatment of neurological and neuropsychiatric conditions

Neuropsychiatry

NBI-1117567 M1 Ag Phase 1

NEUROCRINE
BIOSCIENCES

- Oral M1-preferring agonist studied for the treatment of neurological and neuropsychiatric conditions
- Phase 1 study planned to be initiated in 2024**

Malnutrition

PF-07258669 MC4 Ant Phase 1

Pfizer

- The MAD study is listed as completed on clinicaltrials.gov**
- The molecule was generally safe and well tolerated.

Substance use disorder

✓ TMP-301 mGlu₅ NAM Phase 1

TEMPERO BIO™ Q1 '23

- Phase 1 trials ongoing** for the treatment of substance use disorders

FOUR CLINICAL MILESTONES IN 2023

MC4 Ant Link: <https://clinicaltrials.gov/study/NCT05113940#study-plan>

✓ Clinical milestone in 2023

Rapidly advancing in-house programs into the clinic

Immunosuppression In solid tumors

✓ EP4 Ant Phase 1/2a

HTL00039732 

- Once daily oral small molecule
- Combination with checkpoint inhibitors
- Collaboration with Cancer Research UK
- Participants: 150 patients
- Estimated duration: 8/2023 - 9/2026

Schizophrenia and psychosis

✓ GPR52 Ag Phase 1

HTL0048149

- Novel FIC oral small molecule
- Once daily
- 24hr target engagement
- Participant: 104 healthy volunteers
- Estimated duration: 6/2023 - 11/2024

Inflammatory bowel disease

EP4 Ag Phase 1 ready

- Oral GI restricted
- Good potency and selectivity
- Minimal GI systemic exposure
- Preclinical work is now completed and submitted for regulatory approval
- Targeting Phase 1 start 1H 2024

Inflammatory bowel disease

GPR35 Ag Phase 1 ready

- Potent selective oral small molecule
- Supportive preclinical and safety data
- GSK received prior UK MHRA regulatory approval
- Discontinued by GSK due to changes in immunology strategy and leadership
- Good progress to date for reversion

TWO CLINICAL STARTS IN 2023. TWO ASSETS WELL PLACED FOR 2024.

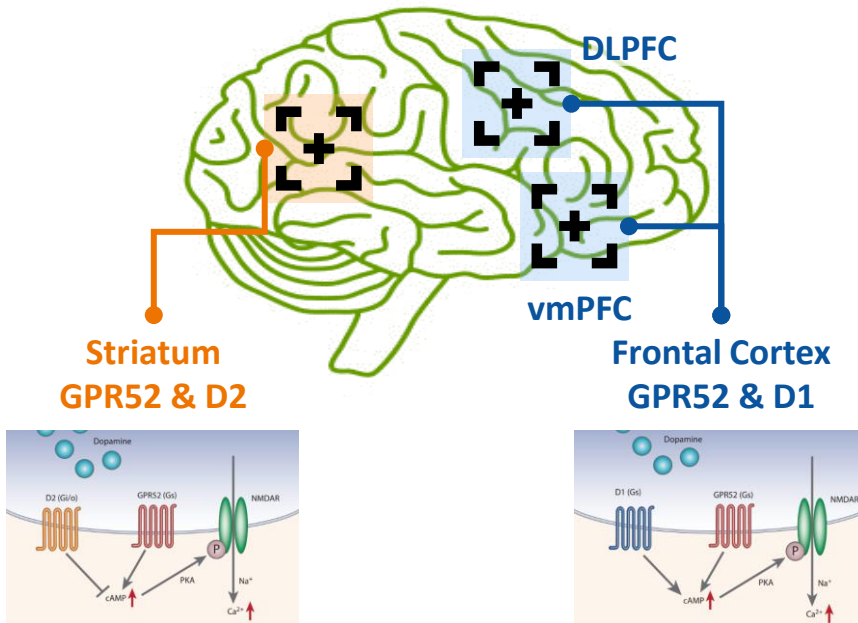
EP4 Ant study link: <https://clinicaltrials.gov/study/NCT05944237?term=Heptares&viewType=Table&page=2&rank=15>
 GPR52 Ag study link: <https://www.isrctn.com/ISRCTN17231793?q=&filters=&sort=&offset=58&totalResults=23608&page=6&pageSize=10>
 Note: ¹ Sosei Heptares to regain full ownership of GSK4381406 from GSK ([announced 24-Nov-2023](#))

GPR52 Agonist – A Novel Approach to Treat Schizophrenia

First-in Class mechanism

Disease Rationale

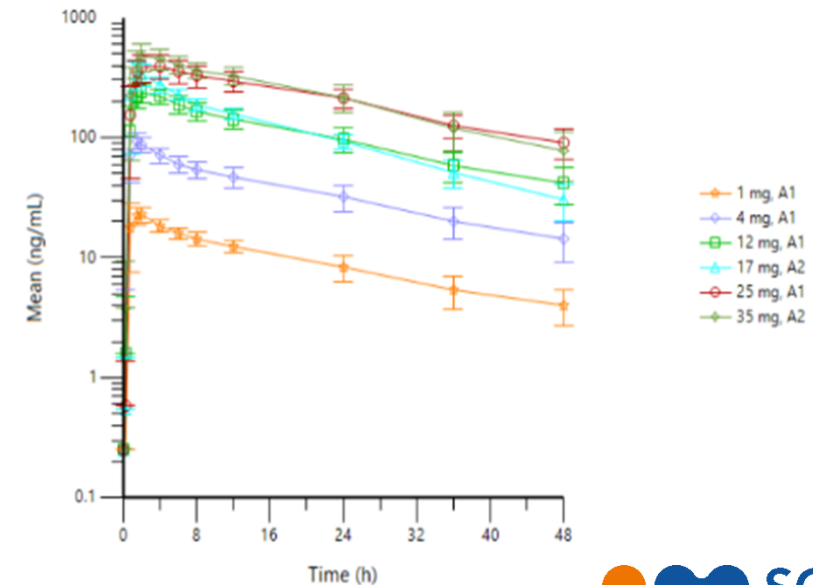
- GPR52 is expressed on D2 dopamine neurons in striatum where activation could lead to D2 antagonist-like effect to treat positive symptoms, e.g. hallucinations
- GPR52 also co-located with D1 dopamine receptor in prefrontal cortex where activation could lead to D1 agonist-like effect to improve cognition, e.g. attention



PCP: phencyclidine
 Poulter et al. ACS Med Chem Lett. 2023;14(4):499-505; MacSweeney et al. SOBP 2020 (poster); MacSweeney et al. SIRS 2022 (poster)

Results so far

- In June 2023 we were the first company to initiate a Phase1 study against this novel GPR52 target.
- HTL'149 developed using SBDD for once-daily profile
- Phase 1 on track, SAD now completed. Interim PK data is in line with preclinical predictions, linear across current dose range with low variability and consistent with once daily dosing
- Phase 1 MAD study now ongoing



Platform & Discovery Growth

2023 Highlights

Platform Growth



Non-GPCR Drug Targets Jun. '23

- Membrane protein, ion channel & transporter projects initiated
- Drug targets with strong validation selected where **SBDD approach offers differentiation**
- Opportunity to demonstrate technical feasibility & **generate BIC medicines**



Laboratory Expansion Dec. '23

- **New Phage Display lab** created to utilize naïve nanobody libraries to screen against purified GPCR StaR® targets – identify Protein Binders to support cryo-EM and SBDD platform
- **New Mass Spectrometry (MS) facility** created & state-of-the-art mass spectrometer purchased to drive advanced GPCR MS methodologies.

Target Identification/Validation



AI Drug Design Oct. '23



- **Collaboration expanded** to a 2nd neurological target



Target ID / Validation Oct. '23



- **Nomination & validation of 1st GPCR** in immunological diseases



Gut-brain axis platform Nov. '23



- **Nomination & validation of 1st GPCR** in GI Diseases

Discovery



FIC GPCR progression Oct. '23



A Member of the Roche Group

- **\$3.75M payment**
- Progression of a FIC project targeting an undisclosed GPCR



Oral OX2R agonist Oct. '23



- **BIC potential** for treatment of narcolepsy and other sleep-wake disorders presented at the World Sleep Congress

CONTINUED INVESTMENT/ADVANCEMENT IN PLATFORM GROWTH & DISCOVERY PIPELINE





5

Objectives for FY2024 and Beyond 2030 Vision

Chris Cargill, CEO



Objectives for FY2024

Positioning for long-term growth potential

- 1 **JPY 16 billion + NHI sales for PIVLAZ®**
- 2 **JNDA approval for daridorexant in Japan**
- 3 **Acquire/in-license at least one late-stage medicine for the Japan/APAC (ex-China) region**
- 4 **Execute at least one new major partnership, and initiate at least one new in-house Ph.1 study**
- 5 **PMI investment in new brand concept, plus systems and applications for efficiency and scalability**

BUILDING JAPAN'S NEXT GENERATION, TOP 15 PHARMA COMPANY

Several potential catalysts over the next 12 months (excluding new business development transactions)

PROGRAM	PARTNER	TIMING	EVENT
Cenerimod		1H 2024	Exclusive opt-in decision
Lucerastat		1H 2024	Exclusive opt-in decision
EP4 Ag		1H 2024	Ph.1 start
Daridorexant (Sth Korea)		2H 2024	New Partnership & Ph.3 start
Daridorexant (Japan)		2H 2024	Potential NDA Approval
PIVLAZ® (Sth Korea)		1H 2025	New Partnership & Launch
GPR35 Ag		2H 2024	Program reversion
NBI-568 (M4 Ag)		2H 2024	Ph.2 completion
NBI-567 (M1 Ag)		2024	Ph.1 start
TMP-301 (mGlu5 NAM)		2024	Ph.2 start
ORX750 (Ox2 Ag)		2024	Ph.1 start

¹ Co-development and co-promotion agreement with Mochida

Beyond 2030 vision



Next-generation pharma company and top 15 in Japan by market capitalization

Focused on innovative specialty medicines

Tech-powered systems for decision-making speed and scalability

Development and commercialization partner of choice for Japan and APAC

AI and Machine Learning-enabled platforms for accelerated drug discovery

WORLD LEADING SCIENCE, LIFE CHANGING MEDICINES





Appendix

~¥8bn (\$54m) investment from new OPF1 fund of JIC VGI

JIC Venture Growth Investments is an affiliate of govt-backed Japan Investment Corporation (JIC)



INVESTMENT IN SOSEI GROUP CORPORATION

- One of the JIC initiatives included in the **Japan Government's "Startup Development Five-year Plan"**
- Launched in Sept-23 to support the growth and sustainable development of **innovative companies** listed on the Tokyo Stock Exchange
- Engages in **next-generation industries** of significant economic and social benefit to Japan, such as healthcare and life sciences

- JIC VGI has invested in many growth companies in the **healthcare and life sciences sector** and has intrinsic knowledge of biotech companies
- Investment due diligence process conducted over several months, including site visits in the UK and Japan
- Sosei Group Corporation was the **first investment project** from JIC VGI OPF1, accounting for **20% of its total fund size**
- As a **government-supported fund**, OPF1 serves as a **long-term investor**, typically holding investments for 3-5 years on average

OPF1'S INVESTMENT IN SOSEI RECOGNIZES OUR POTENTIAL TO BE AN **EMERGING CHAMPION OF THE GROWING PHARMA SECTOR IN JAPAN**

Exclusive Opt-in Rights And ROFN/ROFR¹

Option to develop up to seven clinical programs for Japan and APAC (ex-China) from Idorsia

	Program	Mechanism of Action	Indication**	Stage	Region
Exclusive Opt-in Right	Cenerimod	S1P ₁ receptor modulator	Systemic lupus erythematosus	Phase 3	APAC (ex-China) ²
	Lucerastat	Glucosylceramide synthase inhibitor	Fabry disease	Phase 3	
ROFR /ROFN ¹	Selatogrel	P2Y ₁₂ antagonist	Suspected acute myocardial infarction	Phase 3*	
	ACT-1004-1239	ACKR3 / CXCR7 antagonist	Multiple sclerosis and other demyelinating diseases	Phase 2*	
	ACT-1014-6470	C5aR1 antagonist	Immune-mediated disorders	Phase 1*	
	IDOR-1117-2520	Undisclosed	Immune-mediated disorders	Phase 1*	
	ACT-777991	CXCR3 antagonist	Recent-onset Type 1 diabetes	Phase 1*	

¹ ROFN/ROFR - Right of first negotiation / Right of first refusal

² Territories include Japan, South Korea, Australia, Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, New Zealand, Philippines, Singapore, Taiwan, Thailand and Vietnam

* Global Phase

** This is an indication currently under development, but does not necessarily mean that Sosei will develop for this indication

Introduction of ‘Core Operating Profit’

Core Operating Profit – the financial indicator closer to the reality of our business

Operating Profit “Core”

- Core Operating Profit is a new key financial indicator that highlights the underlying recurring cash generating capability of the business.
- Core Operating Profit is defined as IFRS Operating Profit + material Non-cash costs + material non-recurring costs
- Material Non-cash Costs include depreciation, amortization, share based payments and impairment.
- Material Non-recurring Costs include restructuring costs and other material one-off items.
- Core Operating Profit = Cash Earnings + material Non-recurring Costs

+ Material Non-cash Costs

(Depreciation, Amortization, Share based payments, Impairment...etc.)

+ Material Non-recurring Costs

(Restructuring costs and Other material one-off items...etc.)

Operating Profit “IFRS”

- Financial results recorded and prepared in accordance with International Financial Reporting Standards (IFRS)

	Cash	Non-cash (Material)
Recurring	Costs under “Core”	
Non-recurring (Material)		Costs under “IFRS”






Partnered pipeline

Compound	Target / Mechanism of Action	Modality	Indication	Partner	Disc.	PCC	Ph1	Ph2	Ph3	App	Mkt
Partnered											
Seebri® Breezhaler®	LAMA	SME	COPD	NOVARTIS	█	█	█	█	█	█	█
Ultibro® Breezhaler®	LAMA+LABA	SME	COPD	NOVARTIS	█	█	█	█	█	█	█
Energair® Breezhaler®	LAMA+LABA+ICS	SME	Asthma	NOVARTIS	█	█	█	█	█	█	█
ORAVI®	Antifungal agent miconazole	SME	Oropharyngeal candidiasis	isamitsu	█	█	█	█	█	█	█
Imaradenant ¹	Adenosine A2a ant. combo	SME	mCRPC	AstraZeneca	█	█	█	█	█	█	█
NBI-1117568	Muscarinic M4 agonist	SME	Schizophrenia	NEUROCRINE BIOSCIENCES	█	█	█	█	█	█	█
NBI-1117569	Muscarinic M4 preferring agonist	SME	Neurology diseases	NEUROCRINE BIOSCIENCES	█	█	█	█	█	█	█
NBI-1117570	Muscarinic M1/M4 agonist	SME	Neurology diseases	NEUROCRINE BIOSCIENCES	█	█	█	█	█	█	█
NBI-1117567	Muscarinic M1 preferring agonist	SME	Neurology diseases	NEUROCRINE BIOSCIENCES	█	█	█	█	█	█	█
PF-07081532	GLP-1 agonist	SME	T2DM/Obesity	Pfizer	█	█	█	█	█	█	█
PF-07054894	CCR6 antagonist	SME	Inflammatory bowel disease	Pfizer	█	█	█	█	█	█	█
PF-07258669	MC4 antagonist	SME	Malnutrition	Pfizer	█	█	█	█	█	█	█
PF-06954522	GLP-1 agonist	SME	Metabolic diseases	Pfizer	█	█	█	█	█	█	█
(Not disclosed)	CGRP antagonist	SME	Neurology diseases	Pfizer	█	█	█	█	█	█	█
(Not disclosed)	GPR35 agonist	SME	Inflammatory bowel disease	GSK	█	█	█	█	█	█	█
(Not disclosed)	Multi target	SME/LME	Multiple indications	Genentech <small>A Member of the Roche Group</small>	█	█	█	█	█	█	█
(Not disclosed)	Multi target	SME/LME	Gastrointestinal and other	Takeda	█	█	█	█	█	█	█
(Not disclosed)	Multi target	SME	Inflammatory/Neurology	abbvie	█	█	█	█	█	█	█
(Not disclosed)	Multi target	SME	Diabetes/Metabolic	Lilly	█	█	█	█	█	█	█

Under regaining negotiation

Note: SME = small molecule. LME = large molecule. Seebri®, Ultibro®, Energair® and Breezhaler® are registered trademarks of Novartis AG. ¹ AstraZeneca have removed the A2a program from their clinical pipeline as at Q3 2021

Partnered pipeline (cont'd)

Compound	Target / Mechanism of Action	Modality	Indication	Partner	Disc.	PCC	Ph1	Ph2	Ph3	App	Mkt
Co-development											
KY1051	CXCR4 mAb	mAb	Immuno-oncology	sanofi	██████████						
(Not disclosed)	PAR-2	Peptide	Inflammatory diseases		██████████						
(Not disclosed)	AI-Augmented Drug Discovery	SME	Neurology diseases		██████████						
(Not disclosed)	Multi target AI-powered	SME/LME	Immune diseases	verily	██████████						
(Not disclosed)	Gut-brain axis drug discovery	SME	Gastrointestinal disorders	KALLYOPE	██████████						
Co-owned companies											
TMP301	mGlu5 NAM	SME	Substance use disorders		██████████						
ORX750	OX2 agonist (Oral)	SME	Narcolepsy	 	██████████						

Note: SME = small molecule. LME = large molecule

In-house pipeline

Compound	Target / Mechanism	Modality	Indication	Originator	Disc.	PCC	Ph1	Ph2	Ph3	App	Mkt
In-house Programs											
PIVLAZ®	ETA antagonist	SME	Cerebral vasospasm	SOSEI HEPTARES							
Daridorexant	Dual Orexin antagonist	SME	Insomnia	SOSEI HEPTARES							
HTL'149	GPR52 agonist	SME	Neurology diseases	SOSEI HEPTARES							
HTL'732	EP4 antagonist	SME	Immuno-oncology	SOSEI HEPTARES							
(Not disclosed)	EP4 agonist	SME	Inflammatory bowel disease	SOSEI HEPTARES							
(Not disclosed)	Muscarinic M1 agonist (JP)	SME	Neurology diseases	SOSEI HEPTARES							
(Not disclosed) ¹	H4 antagonist	SME	Atopic Dermatitis	SOSEI HEPTARES							
(Not disclosed)	SARS CoV-2 Mpro	SME	Coronaviruses	SOSEI HEPTARES							
Multiple programs	Not disclosed	SME/LME	Neurology diseases	SOSEI HEPTARES							
Multiple programs	Not disclosed	SME/LME	GI and Inflammatory diseases	SOSEI HEPTARES							
Multiple programs	Not disclosed	SME/LME	Immunology diseases	SOSEI HEPTARES							
In-house Programs (No longer internally funded. Targeting academic / industrial partnership)											
HTL'310	SSTR5 agonist	Peptide	Hypoglycaemic disorders	SOSEI HEPTARES							
HTL'097	GLP-1 antagonist	Peptide	Hypoglycaemic disorders	SOSEI HEPTARES							
HTL'023	Dual GLP-2/GLP-1 agonist	Peptide	Intestinal failure/NASH	SOSEI HEPTARES							
(Not disclosed)	Apelin agonist	Peptide	Pulmonary Arterial Hypertension	SOSEI HEPTARES							
HTL'641	Dual orexin antagonist	SME	Insomnia and sleep disorders	SOSEI HEPTARES							
(Not disclosed)	PAR-2 mAb	mAb	Atopic Dermatitis/Pain	SOSEI HEPTARES							

Note: SME = small molecule. LME = large molecule. ¹Due to changes of strategy, we deprioritized until we will find another indication opportunity

Locations

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