Passion for Innovation.
Compassion for Patients.™



FY2018 Q3 Financial Results Presentation

DAIICHI SANKYO CO., LTD

Toshiaki Sai Executive Vice President and CFO

January 31, 2019

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Agenda



FY2018 Q3 Financial Results

- Business Update
 - Edoxaban
 - Regional Value
 - Optimizing Supply Chain
- R&D Update



FY2018 Q3 Financial Results

Overview of FY2018 Q3 Results



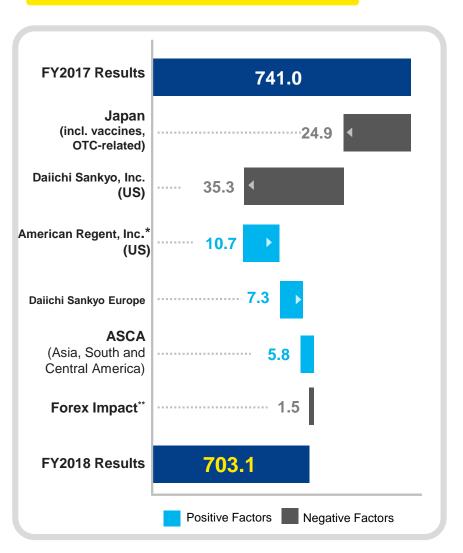
(Bn JPY)

	FY2017 Q3 YTD Results	FY2018 Q3 YTD Results	YoY
Revenue	741.0	703.1	-5.1%
Cost of Sales	255.5	264.9	+9.5
SG&A Expenses	216.7	198.5	-18.2
R&D Expenses	175.6	142.6	-33.0
Operating Profit	93.2	97.1	+3.9
Profit before Tax	97.7	98.0	+0.2
Profit attributable to owners of the Company	72.6	78.8	+8.5% +6.2
HOD/IDV	444 74	444 45	0.50
Currency USD/JPY Rate EUR/JPY	111.71 128.53	111.15 129.49	-0.56 +0.96

Revenue



Decreased by 38.0 Bn JPY (Decreased by 36.5 Bn JPY excl. forex impact) (Bn JPY)



Positive Factors	Negative Factors
Japan	
Lixiana +14.6 Pralia +3.7	Olmetec -28.5 Nexium -9.0 Inavir -4.8 Loxonin -4.7 (Incl. impact of price revision in Japan)
Daiichi Sankyo Espha (GE) Olmesartan AG, Rosuvastatin AG etc.	Daiichi Sankyo Healthcare (Incl. impact of change in accounting treatment)
Daiichi Sankyo, Inc.	Welchol -18.3 Olmesartan -9.4 Effient -7.7
American Regent, Inc.* Injectafer +8.7	
Daiichi Sankyo Europe	
Lixiana+14.6	Olmesartan

^{*} Formerly, Luitpold Pharmaceuticals, Inc.

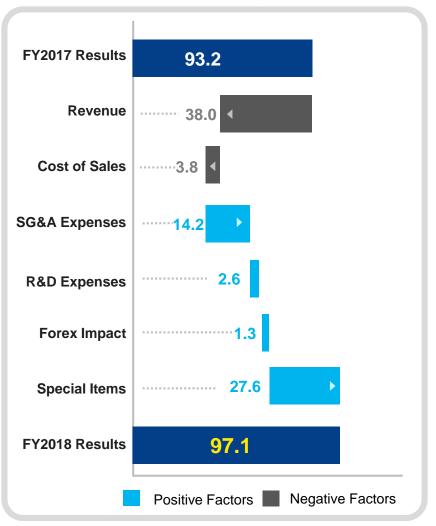
^{**} Forex impact USD: -0.6, EUR: +0.5, ASCA: -1.4

Operating Profit



Increased by 3.9 Bn JPY

(Decreased by 23.4 Bn JPY excl. forex impact and special items)



(Bn J	PY)
Revenue -38.0 incl. forex impact of -1.5	
Cost of Sales +3.8 (Cost increased) Product mix due to impact of olmesartan LOE	
SG&A Expenses14.2 (Cost decreased) Effect of cost reductions in US, impact of change in accounting treatment etc.	
Forex Impact -1.3 (Cost decreased) Cost of Sales -0.4 SG&A Expenses -0.6 R&D Expenses -0.3	
Special Items	

Special Items



(Bn JPY)

	FY2017 Q3 YTI Results)	FY2018 Q3 YTD Results		YoY
Cost of Sales	Gain on sales of fixed assets	-6.1			+6.1
SG&A Expenses			Gain on sales of fixed assets	-3.5	-3.5
R&D Expenses	Impairment loss (Intangible)	30.2			-30.2
Total		24.1		-3.5	-27.6

-: Cost decreased items

* No items booked in Q3

Special items:

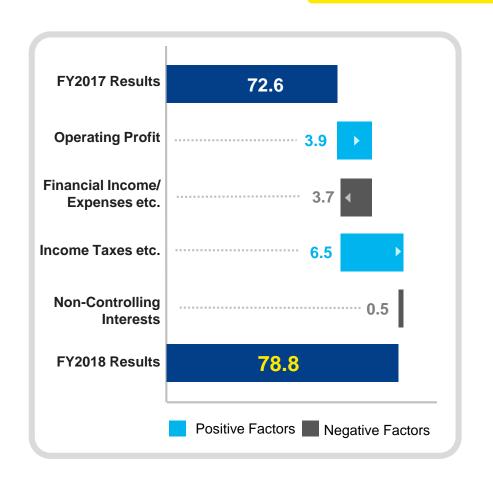
Items having a transitory and material impact on operating profit are defined as "Special items".

Specifically, gains and losses related to: sale of fixed assets, restructuring, impairment, litigation, etc. amounting to 1 billion JPY or more are defined as "Special items".

Profit Attributable to Owners of the Company



Increased by 6.2 Bn JPY



(Bn JPY)

Financial Income/ +3.7 (Cost increased) Expenses etc.

Deterioration of forex gains/ losses

Impact of the tax rate reduction in US etc.

	FY2017	FY2018	YoY
Profit before Tax	97.7	98.0	+0.2
Income Taxes etc.	25.6	19.1	-6.5
Tax rate	26.2%	19.5%	-6.7%

Non-Controlling -----+0.5 (Cost increased)
Interests

Revenue: Major Business Units (incl. Forex Impact)



(Bn JPY)

			(511 01 1)
	FY2017 Q3 YTD Results	FY2018 Q3 YTD Results	YoY
Japan	418.1	395.7	-22.4
Daiichi Sankyo Healthcare	56.6	52.9	-3.6
Daiichi Sankyo, Inc.	64.1	28.6	-35.5
Olmesartan	17.4	7.9	-9.4
Welchol	29.3	11.0	-18.3
Effient	10.1	2.4	-7.7
Savaysa	1.6	1.6	+0.0
Movantik	3.7	3.3	-0.5
American Regent, Inc.	79.9	90.1	+10.2
Venofer	24.0	24.1	+0.1
Injectafer	25.2	33.7	+8.5
GE injectables	28.3	28.2	-0.0
Daiichi Sankyo Europe	58.2	66.0	+7.8
Olmesartan	25.5	21.0	-4.5
Efient	6.0	4.6	-1.4
Lixiana	18.5	33.3	+14.9
ASCA (Asia, South and Central America)	58.7	63.1	+4.4
Currency USD/JPY	111.71	111.15	-0.56
Rate EUR/JPY	128.53	129.49	+0.96

Revenue: Major Products in Japan



(Bn JPY)

		FY2017 Q3 YTD Results	FY2018 Q3 YTD Results	YoY
Nexium	ulcer treatment	70.0	61.0	-9.0
Lixiana	anticoagulant	34.7	49.3	+14.6
Memary	Alzheimer's disease treatment	38.1	39.5	+1.4
Loxonin	anti-inflammatory analgesic	29.0	24.3	-4.7
Pralia	treatment for osteoporosis/ inhibitor of the progression of bone erosion associated with rheumatoid arthritis	17.3	21.0	+3.7
Tenelia	type 2 diabetes mellitus treatment	20.9	19.9	-1.0
Inavir	anti-influenza treatment	9.3	4.5	-4.8
Olmetec	antihypertensive agent	40.5	11.9	-28.5
Ranmark	treatment for bone complications caused by bone metastases from tumors	11.7	12.7	+1.0
Efient	antiplatelet agent	9.9	10.9	+0.9
Rezaltas	antihypertensive agent	13.1	12.2	-1.0
Urief	treatment for dysuria	8.7	8.2	-0.5
Omnipaque	contrast medium	11.0	9.5	-1.4



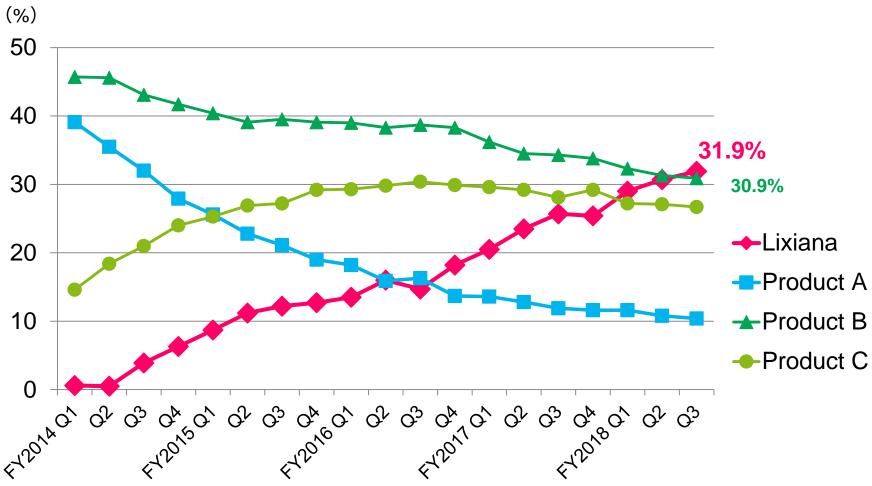
Edoxaban

Lixiana: Growth in Japan





Lixiana reached No.1 sales share at FY2018 Q3



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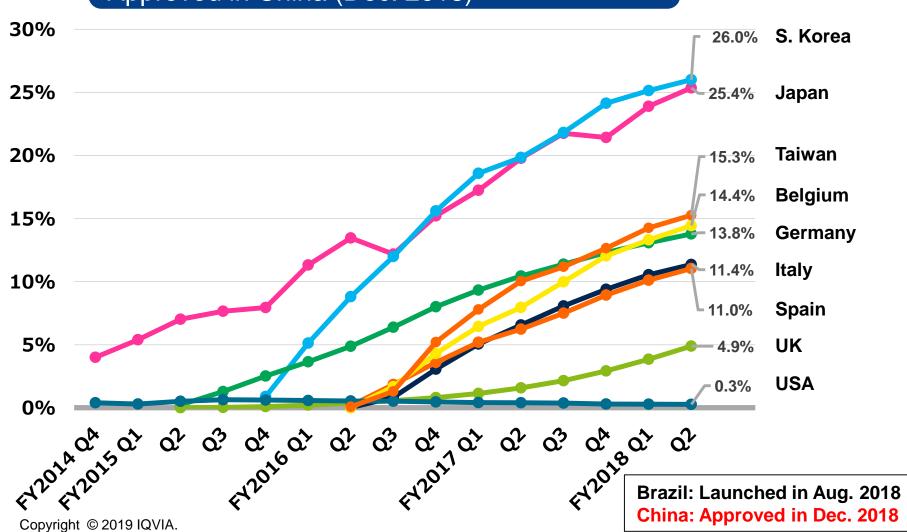
Edoxaban: Growth in Each Country/Region



Steady growth in each country/region Approved in China (Dec. 2018)

Calculated based on MIDAS Data

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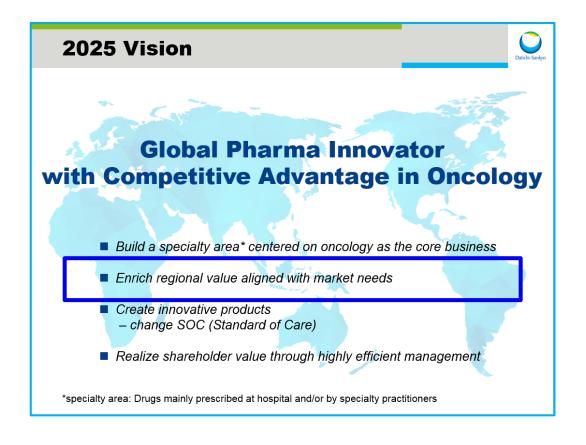


Regional Value

Regional Value Products



Aim to have enriched "regional value products" aligned with regional business strategy in addition to "global products" such as edoxaban and new oncology products toward 2025 Vision



Enrichment of Regional Value Products



Global products: Edoxaban, oncology, etc.



bempedoic acid & combination tablet



Cravit Asmeton

Japan

Nexium
Memary
Pralia
Ranmark
Tenelia
Tarlige
Minnebro
Vimpat

North America

Injectafer Venofer Movantik

New products

Japan: New Products Approval and Additional Approval for Existing Products



- Tarlige (mirogabalin): Approved in Jan. 2019
 - \triangleright MOA: α₂δ ligand
 - Indication: peripheral neuropathic pain
- Minnebro (esaxerenone): Approved in Jan. 2019
 - MOA: mineralocorticoid blocker
 - Indication: hypertension
- Vimpat (lacosamide): Additional approved in Jan. 2019
 - Antiepileptic Drug (launched in Aug. 2016)
 - Indication: monotherapy/adjunct therapy for partial-onset seizures in patients with epilepsy
 - <Additional approval and new dosage>
 - ✓ Additional approval: treatment of pediatric patients
 - New dosage: dry syrup, I.V. infusion

Europe: In-licensed LDL-C Lowering Drug



Originator: Esperion Therapeutics, Inc.



Licensing Agreement

bempedoic acid and bempedoic acid / ezetimibe combination tablet

✓ MOA : ACL (ATP citrate lyase) inhibitor (First-in-class)

Route, dosage : Oral, once-daily

Territory : Europe

Role and responsibility

Daiichi Sankyo Europe : commercialization

Esperion : development and manufacturing

Total milestone : Max. \$900 Mn

(incl. upfront payment \$150 Mn and first commercial sale payment \$150 Mn)

Value of this deal

- Leverage our operational infrastructure which Daiichi Sankyo Europe have established in current cardiovascular portfolio
- Improve regional value in Europe by the synergies with anticoagulant LIXIANA

Expected Timeline

- Filing for EMA: CY2019 H1, Launch: CY2020
- A global cardiovascular outcomes trial is ongoing and the data are expected during CY2022



Optimizing Supply Chain

Optimizing SC



Future oriented SC structure transformation

Until now

- Mass-produced products
- > Small molecule compounds
- > Solid formulations

Transformation toward the future

Future

- Multiple, smaller volume medicines
- > Large molecule compounds
- ➤ Injectable formulations

FY2015

Transfer of Akita Plant (Daiichi Sankyo Propharma)

FY2016

Sale of Bethlehem Plant in U.S.

FY2017

Closure of Hiratsuka Plant (Daiichi Sankyo Chemical Pharma)

FY2018

Decision of Takatsuki Plant transfer (Daiichi Sankyo Propharma)

Takatsuki Plant Transfer

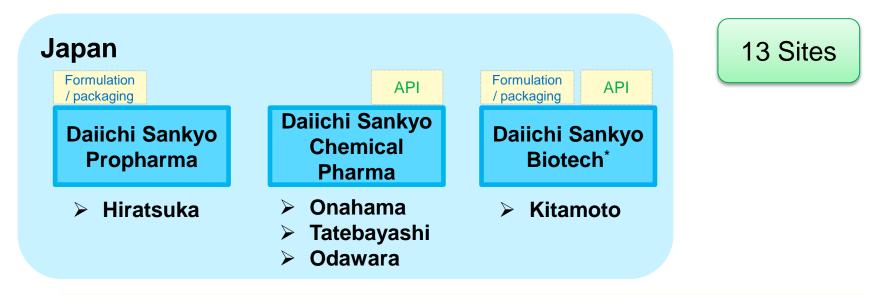


- Transferee: TAIYO HOLDINGS CO., LTD.
 - Employees: continue to be employed by the transferee
 - Products: continue to be produced and stably supplied at the Takatsuki Plant
- ◆ Transfer Date: Oct. 1st ,2019
- Compensation: JPY 37.6 Bn
- The net assets of the Takatsuki Plant
 - The book value including the land owned by Daiichi Sankyo at the end of March 2018: JPY 18.5 Bn

^{*}Profit on transfer expected to be booked in FY2019

Reference: Production Sites (as of Oct. 2019)









R&D Update

R&D Investment Focus and Efficiency



Prioritize projects in order to invest selectively in oncology, especially in ADC & AML/Hem Franchises and Breakthrough Science

	Major Projects	On-going Clinical studies*		
	Major i Tojects	JAN 2018	JAN 2019	
	DS-8201	3	9	
ADC	U3-1402	1	2	
	DS-1062	-	1	
AML/Hematology	Quizartinib	3	1	
AWIL/Hematology	Other AML/Hem	6	7	
Brookthrough Colonso	Pexidartinib	2	1	
Breakthrough Science	DS-1205	-	1	
Specialty Medicines	Edoxaban LCM etc.	9	7	
Next Gen Modality	Axi-Cel [®] etc.	4**	5**	

Invest selectivity in oncology, especially in ADC franchise

Beyond "2025 Vision" P.27,28

	Major Projects	Number of Projects		
	Major Projects	JAN 2018	JAN 2019	
Out-licensed	DS-5010, DS-6051	1	2	
Candidate for Out-license		8	11	

Out-license actively P.26

^{*}Based on Reference Data of Consolidated Financial Results

^{**}Number of projects. Based on presentation from DS

List of Compounds for Out-Licensing



Accelerate out-licensing activity and choose additional candidates

- DS-5010 (selective RET inhibitor)Out-licensed to Boston Pharmaceuticals Inc. (AUG 2017)
- **DS-6051 (NTRK/ROS1 inhibitor)**
 - **Out-licensed to AnHeart (DEC 2018)**

List of Out-licensing Project

Phase 2	Laninamivir: influenza / neuraminidase inhibitor
Phase 1	 DS-2969: clostridium difficile infection / GyrB inhibitor DS-1093: inflammatory bowel disease (IBD) / HIF-PH inhibitor DS-7080: AMD / angiogenesis inhibitor DS-1501: osteoporosis / anti-siglec-15 antibody [US/EU (other than JP)] PLX7486: solid tumor / FMS/TRK inhibitor PLX8394: solid tumor / BRAF inhibitor PLX9486: solid tumor (gastrointestinal stromal tumor) / KIT inhibitor
Pre- clinical	 DS-1515: Inflammatory disease / PI3Kδ inhibitor DS-1039: DS-1039: cystic fibrosis / (CFTR independent fluid secretion) ASB29609: ASB29609: circadian rhythm sleep-wake disorders / 5-HT5A receptor agonist

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DS Advancing in Regenerative Medicine / Cell Therapy



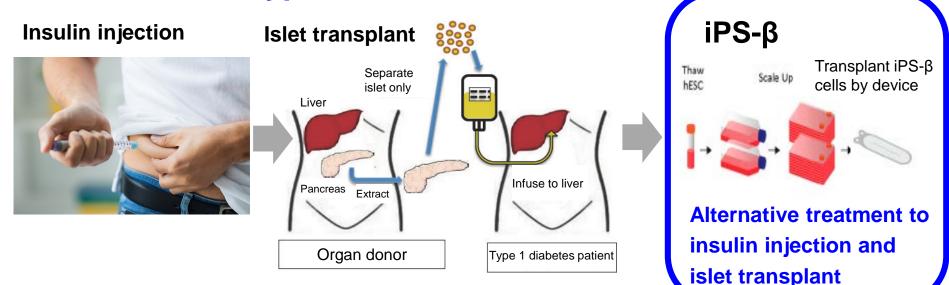
- Activities within the company until today
 - Strengthen DS RD structure (established Cell Therapy Lab.)
 - Explore compounds through alliances and move forward to commercialization

Drogram	Indications	Partners	Development Status		
Program	Indications		Discovery	Pre-clin	Clinical
Axi-Cel®	B cell lymphoma	Kite/Gilead			
Heartcel [®]	Ischemic heart failure	Celixir			
Capillary stem cells "CapSCs"	Peripheral vascular disease, Cardiovascular disease etc.	Asahikawa Medical Univ.			
iPS cell-derived cardiomyocyte sheet	Severe heart failure	Osaka Univ.			
iPS cell-derived β cells	Type 1 diabetes	Tokyo Institute of Technology			

Open Innovation Research on iPS-B cell



Treatments of Type 1 diabetes



- 4th OiDE Fund investment*
- Commence open innovation research with <u>Tokyo Institute of Technology</u> with the aim of creating insulin producing cells from <u>iPS cells</u> for use in regenerative medicine and cell therapy (January 2019)
- Aim for practical application as an innovative treatment for <u>severe type 1 diabetes</u>

^{*}A fund jointly established by Mitsubishi UFJ Capital and Daiichi Sankyo in 2013, and operated by Mitsubishi UFJ Capital.

Next Data Point until ASCO 2019





DS-8201: Decision for early BLA submission in FY2018 Q4~

- ASCO 2019 (May 31 ~ June 4, 2019)
 - U3-1402: P1 NSCLC dose escalation part is planned
 - DS-1062: P1 NSCLC dose escalation part is planned



Quizartinib: US PDUFA May 25, 2019



Appendix

- R&D Milestone Events
- Major R&D Pipeline
- Out-licensing Projects
- DS-8201 presentation at Scientific Conference
- Abbreviations

FY2018 R&D Milestone Events

As of Jan 2019



				_		FY2019
Project	Study / Indication	04	FY2			
,		Q1	Q2	Q3	Q4	Q1~
	P1: multiple tumors		Enroll completed			
	P2 pivotal: BC (HER2 positive Post T-DM1)		Enroll completed			
	P3: BC (HER2 positive Post T-DM1 vs Phys Choice)		Study started			
	P3: BC (HER2 positive vs T-DM1)		Study started			
DS-8201	P3: BC (HER2 low)				Study started	
	P2: NSCLC	Study started				
	P1b: BC/Bladder (with nivolumab)		Study started			
	P1b: BC/NSCLC (with pembrolizumab)					Study start planned
	P1b: solid tumor (with avelumab)					Study start planned
U3-1402	P1b: BC	P2 part study started				
Quizartinib	P3: QuANTUM-R AML Relapsed/Refractory	TLR		Submitted		
DO 0000	P1: AML (with Quizartinib)			Study started		
DS-3032	P1: AML (with Azacitidine)				Study started	
Axi-Cel®	P2: BCL (JP)			Study started		
Pexidartinib	P3: TGCT (US)				Submission	
DS-1205	P1: EGFRm NSCLC with osimertinib				Study start planned	
	P1: EGFRm NSCLC with gefitinib			Study started		
Edoxaban	P3: AF, VTE (China)			Approved		
Mirogabalin	P3: PNP (JP)				Approved	
Esaxerenone	P3: hypertension (JP)				Approved	
Laninamivir	P3: anti-influenza (nebulizer formulation) (JP)		Submitted			
DS-5141	P1/2: DMD (JP)	TLR	Extension study started			

AF: atrial fibrillation, AML: acute myeloid leukemia, BCL: B-cell lymphoma, CRC: colorectal cancer, DMD: Duchenne muscular dystrophy, GBM: glioblastoma multiforme, BC: breast cancer, GC: gastric cancer, NSCLC: non-small cell lung cancer, PNP: peripheral neuropathic pain, TGCT: tenosynovial giant cell tumor, TLR: Top Line Results, VTE: venous thromboembolism

Red: New or update from FY2018 Q2 Blue: achieved

Major R&D Pipeline (Oncology)

As of Jan 2019



	Generic Name/Project Code Number		Region	Stage			
	(Class)	Target indication		Phase 1	Phase 2	Phase 3	NDA/BLA
X		BC (HER2 positive post T-DM1)	JP/US/EU/Asia		*		
ADC Franchise	DS-8201 (Anti-HER2 ADC)		01700/20/7/314		: :		
		BC (HER2 positive vs. T-DM1)	JP/US/EU/Asia				
		BC (HER2 low)	JP/US/EU/Asia				
		GC (HER2 positive post trastuzumab)	JP/Asia				
		CRC	JP/US/EU				
		NSCLC	JP/US/EU				
		BC and bladder cancer (w nivolumab)	US/EU				
	U3-1402 (Anti-HER3 ADC)	BC	JP/US				
		NSCLC	US				
	DS-1062 (Anti-TROP-2 ADC)	NSCLC	JP/US				
0	Quizartinib/AC220 (FLT3 inhibitor)	AML (Relapsed/Refractory)	JP/US/EU/Asia		:		
		AML (1st line)	JP/US/EU/Asia		:		
AML/HEM Franchise	DS-3032 (MDM2 inhibitor)	Solid tumor	JP/US				
		AML	US				
	DS-3201 (EZH1/2 inhibitor)	ATL/L, PTCL	JP				
		AML, ALL	US				
L/HE	PLX2853 (BRD4 inhibitor)	AML, solid tumor	US				
AM	DS-1001 (IDH1m inhibitor)	Glioma	JP				
	Axi-Cel® (Anti-CD19 CAR-T cells)	BCL	JP				
The same of the sa	Pexidartinib (CSF-1/KIT/FLT3 inhibitor)	TGCT	US/EU				
hrough	DS-1647 (G47Δ virus)	Glioblastoma	JP				
Break	DS-1205 (AXL inhibitor)	NSCLC [w osimertinib(Asia), gefitinib (JP)]	JP/Asia				

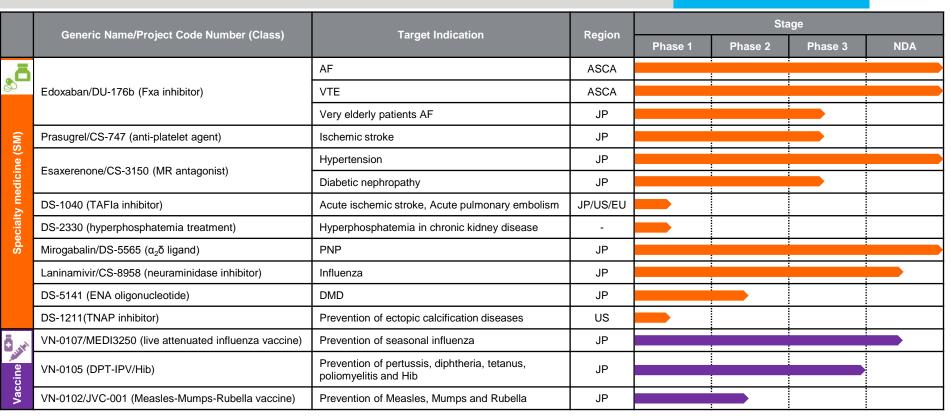
ALL: acute lymphoblastic leukemia, AML: acute myeloid leukemia, ATL/L: adult T-cell leukemia/lymphoma, BCL: B-cell lymphoma, CRC: colorectal cancer, BC: breast cancer, GC: gastric cancer, NSCLC: non-small cell lung cancer, PTCL: peripheral T-cell lymphoma, TGCT: tenosynovial giant cell tumor

*: projects in the field of oncology which are planned for registrational application based on the results of P2 studies

Major R&D Pipeline (SM/Vaccine)

As of Jan 2019





AF: atrial fibrillation, DMD: Duchenne muscular dystrophy, PNP: peripheral neuropathic pain, VTE: venous thromboembolism

Out-licensing Projects

As of Jan 2019



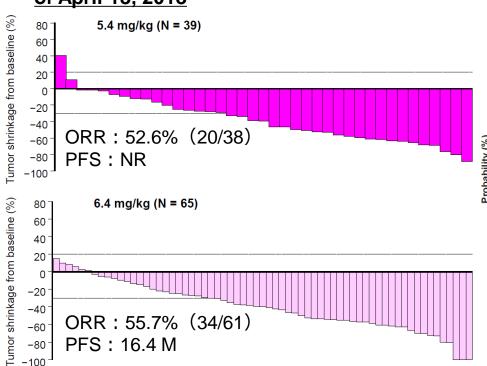
	Pre-clinical	Phase 1	Phase 2
Oncology		 PLX7486 (Solid tumor / FMS/TRK inhibitor) PLX8394 (Solid tumor / BRAF inhibitor) PLX9486 (Solid tumor (gastrointestinal stromal tumor) / KIT inhibitor) 	
Specialty Medicine	■ DS-1515 (Inflammatory disease / PI3Kō inhibitor) ■ DS-1039 (Cystic fibrosis / new MOA (CFTR independent fluid secretion)) ■ ASB29609 (Circadian rhythm sleep-wake disorders / 5-HT5A receptor agonist)	■ DS-2969 (Clostridium difficile infection / GyrB inhibitor) ■ DS-1093 (inflammatory bowel disease (IBD) / HIF-PH inhibitor) ■ DS-7080 (AMD / angiogenesis inhibitor) ■ DS-1501: US/EU (other than JP) (Osteoporosis / anti Siglec-15 antibody)	■ Laninamivir (CS-8958/anti-influenza / out-licensing with Vaxart Inc)

Red: New or update

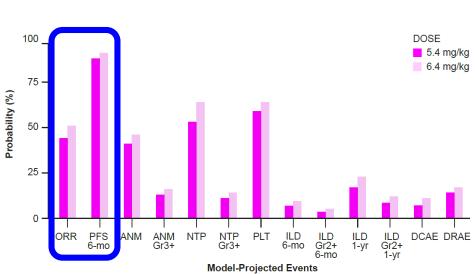
DS-8201: Poster at SABCS Efficacy comparison of 5.4·6.4mg/kg







Model-projected Event Rates for DS-8201 Doses of 5.4 and 6.4 mg/kg



Based on the predicted benefit/risk profile, 5.4 mg/kg was chosen as the recommended dose for continued development in HER2-positive breast cancer for DESTINY-Breast01 and in the phase 3 trials (DESTINY-Breast02, DESTINY-Breast03)

Abbreviations



Abbreviation	
BTD	Breakthrough therapy designation
CR	Complete response
DCR	Disease control rate
DLT	Dose limiting toxicity
DOR	Duration of response
EGFR	Epidermal growth factor receptor
MTD	Maximum tolerated dose
NSCLC	Non-small-cell lung cancer
ORR	Overall response rate Objective response rate
OS	Overall survival
PD	Progress disease
PFS	Progression-free survival
PR	Partial response
RDE	Recommended dose for expansion
TTR	Time to response

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