

Concept of Therapeutic Areas

R&D Core Disease Areas

Areas where R&D investment is focused on for development as our future growth drivers

Thrombotic Disorders

Malignant Neoplasm Diabetes Mellitus Autoimmune Disorders / RA

Franchise Areas

Areas on which current revenue is based and should be maintained and expanded

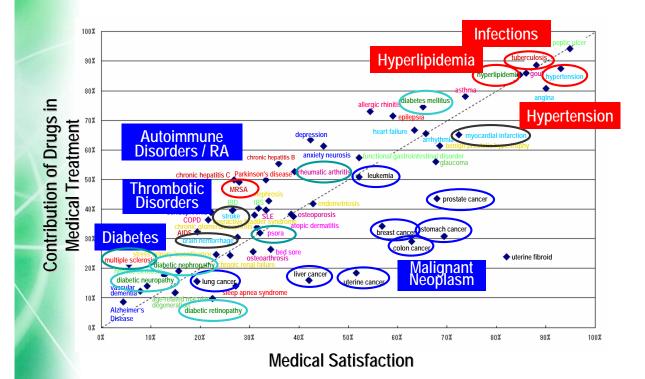
Hypertension

Hyperlipidemia / Atherosclerosis

Bacterial Infections



Medical Satisfaction and Contribution of Drugs



Japan Human Health Sciences Foundation; Investigation of Japan's Fundamental Technology Report - View of medical treatment needs in 2015 (2005)



Development Pipeline

		Phase 1	Phase 2	Phase 3	Application
	Cardiovascular diseases	CS-8080 DB-772d	Olmetec/diuretic Combo (#)	DU-176b Prasugrel (ACS-MM) CS-8635 Olmetec additional indication (#) <diabetic nephropathy=""> Olmetec/Calblock Combo (#)</diabetic>	Prasugrel (ACS-PCI)
	Glucose metabolic disorders	CS-1036 (#)		Rivoglitazone	
	Infectious diseases			Levofloxacin inj (#) CS-8958	Levofloxacin high-dose (#)
	Malignant neoplasm	CS-7017 U3-1287	CS-1008 Nimotuzumab (#) ARQ 197		
i	Immunological allergic diseases	CS-0777	SUN 13834		
	Bone / joint diseases			Denosumab (#) Loxonin gel (#)	
	Others		Human ghrelin	Memantine hydrochloride (#) Silodosin	Feron/Ribavirin combination therapy (#)
	Total	6	6	12	3

Change from October

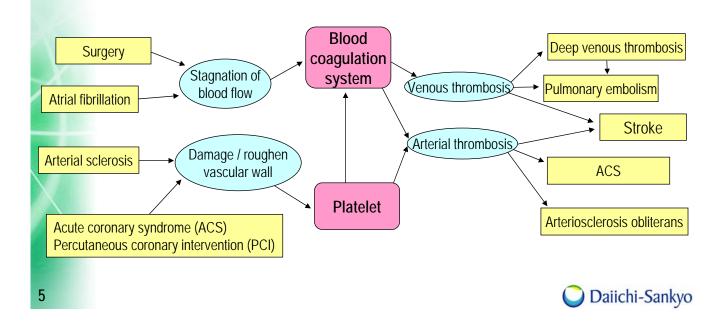
New: ARQ 197
Change of stage:
DU-176b Ph2 ---> Ph3
CS-8958 Ph2 ---> Ph3
Sevikar (EU) Application ---> Approval

- Only the most advanced stages are described for the projects under global development
- Projects with highest priority are <u>underlined (blue)</u>
- #: Developed only in JPN



Targets for Thrombotic Disorders

- Blood clots formed through various causes can result in emboli in the heart, lungs, or brain, and may lead to fatal conditions
- The blood coagulation system and platelet are the two primary targets



To Become a Leader in Thrombotic Disorders

	Arterial thrombosis	Venous thrombosis		
Target	Platelet	Blood coagulation system		
Drugs currently	Anti-platelet	Anticoagulant		
used	Acetylsalicylic acid Low-molecular weight hep Ticlopidine Warfarin Clopidogrel Argatroban			
Daiichi Sankyo's	Prasugrel	DU-176b		
Pipeline	 Higher IPA* Rapid onset of IPA More consistent IPA * IPA: inhibition of platelet aggregation 	Target ProfileEfficacy not inferior to WarfarinWide therapeutic range and lower incidence of bleedingNo hepatotoxicity		

Anti-platelet: Prasugrel

Best-in-class

Thrombotic Disorders

ACS-PCI* (TRITON TIMI-38)

Dec-2007

➤ New Drug Application (NDA) filing in US

Sep 26, 2008

➤ The U.S. Food and Drug Administration (FDA) did not complete its review by PDUFA goal date, and continues to review prasugrel NDA

Europe Feb-2008

US

➤ Marketing Authorization Application (MAA) filing in Europe

As of Dec-2008

➤ Review by the European Medicines Agency (EMEA) underway

ACS-MM** (TRILOGY ACS)

Jun-2008 Phase 3 study

** MM: medically managed (without a planned artery-opening procedure)

* ACS: acute coronary syndrome

PCI: percutaneous coronary intervention

- ➤ Double-blind, parallel-arm, active control study
- ➤ To evaluate safety and efficacy of prasugrel against clopidogrel Reducing the risk of cardiovascular death, heart attack, or stroke
- ➤ About 10,000 patients in more than 800 hospitals in 35 countries
- ➤ Duke Clinical Research Institute (Dr. Magnus Ohman)

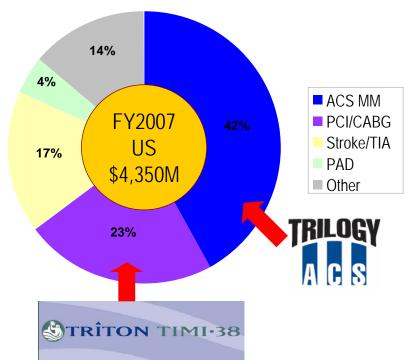
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Anti-platelet: Prasugrel

Thrombotic Disorders

Clopidogrel's Source of Business Fiscal Year 2007 (company analysis)



Source: IMS NPA Mar 2008 MAT Plavix Sales + NDTI (physician audit)





Oral Factor Xa Inhibitor: DU-176b

Best-in-class

Thrombotic Disorders

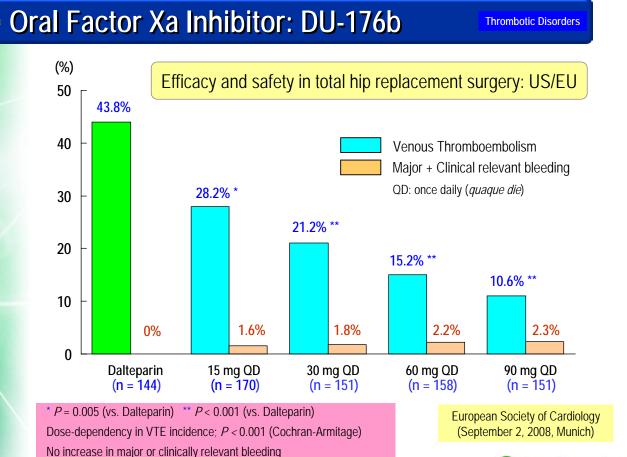
Completed strict dose-finding studies and started phase 3 studies

Target Indication / Development Stage	Phase 2b completed P		Phase 3
Prevention of thromboembolic events in patients with non-valvular	US/EU	Results presented at American Society of Hematology in Dec-08	Phase 3 Started in November Planned
trial fibrillation (AF)	JP	Completed	
Prevention of venous	US/EU	Results presented at European Society of Cardiology in Sep-08 <prevention after="" hip="" in="" of="" patients="" replacement="" surgery="" thromboembolism="" total="" venous=""></prevention>	Dlannod
nromboembolism (VTE)	Results presented at Asian-Pacific Society of Thrombosis and Hemostasis in Sep-08 < Prevention of venous thromboembolism in patients after total knee replacement surgery>		Tailled

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Protocol of Ph2b Studies in AF (US/EU)

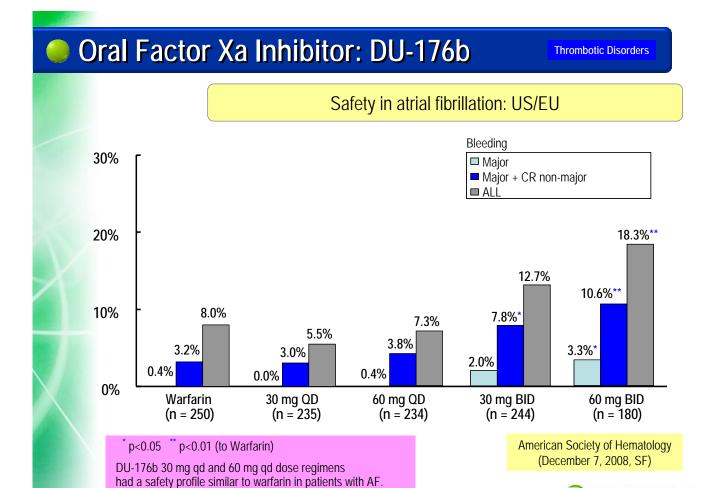
Thrombotic Disorders

- Primary objective
 - Evaluate safety of DU-176b compared to Warfarin
- > Patient population
 - Patients with non-valvular atrial fibrillation
- Design
 - Randomized, double-blind, active-controlled, DU-176b and open—label warfarin study
- Treatment period
 - 3 months treatment
- Number of patients
 - 1,143

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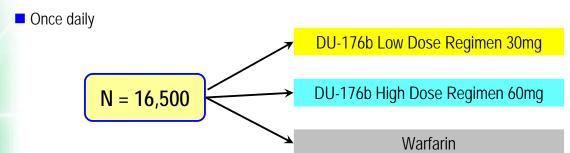


ENGAGE-AF TIMI 48 (DU-176b Ph3)



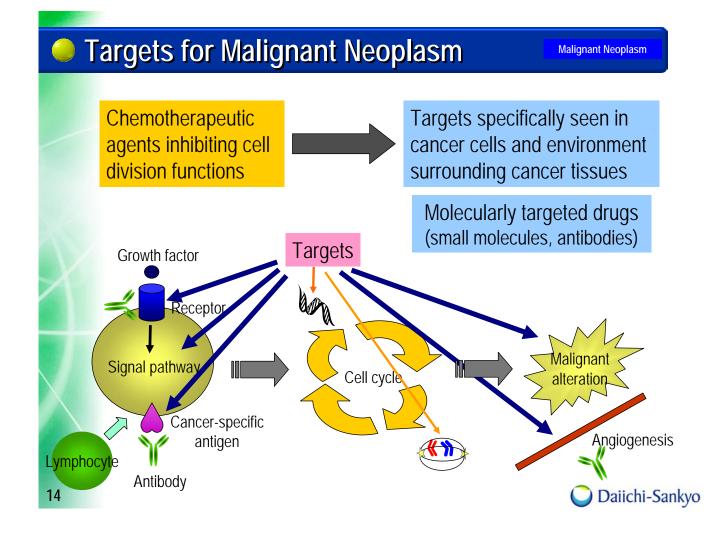
Effective Anticoagulation With Factor Xa Next Generation in Atrial Fibrillation

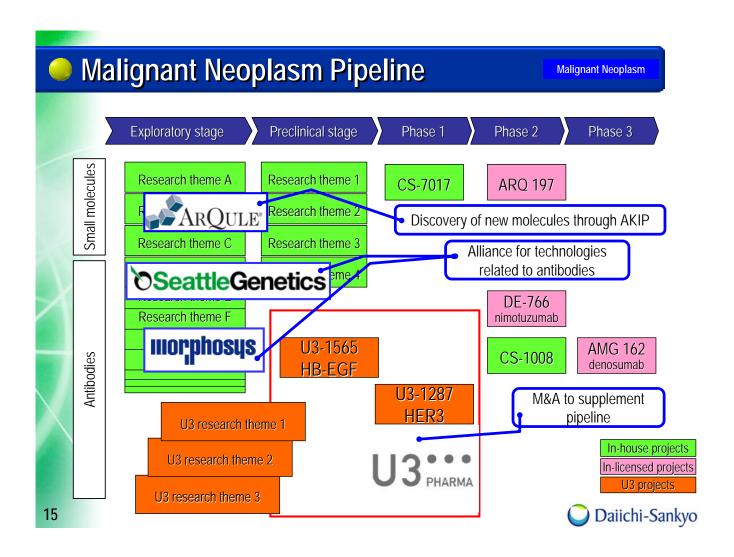
- Randomized, double-blind, double-dummy, parallel group, multi-center, multi-national study
- To evaluate efficacy and safety of DU-176b versus Warfarin in subjects with atrial fibrillation

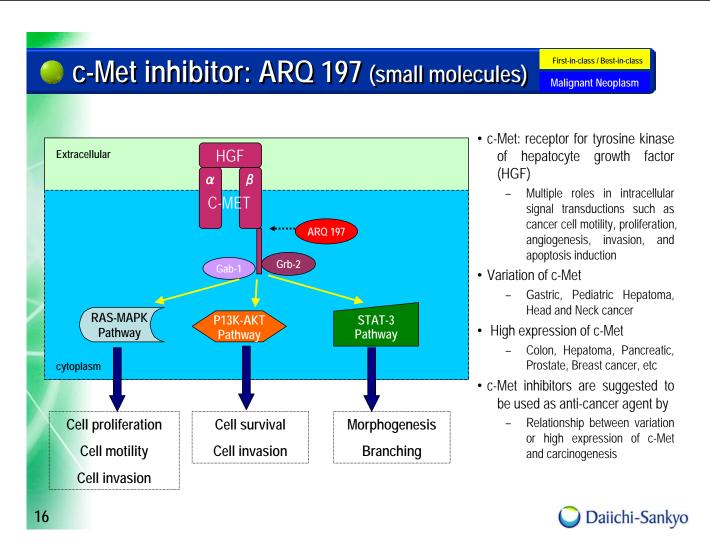


Primary endpoint = Stroke and Systemic Embolic Events (SEE) Secondary endpoint = Stroke, SEE, and All-Cause Mortality Safety Endpoint = Major Bleeding









Antibodies: AMG 162 (Denosumab Anti-RANKL)

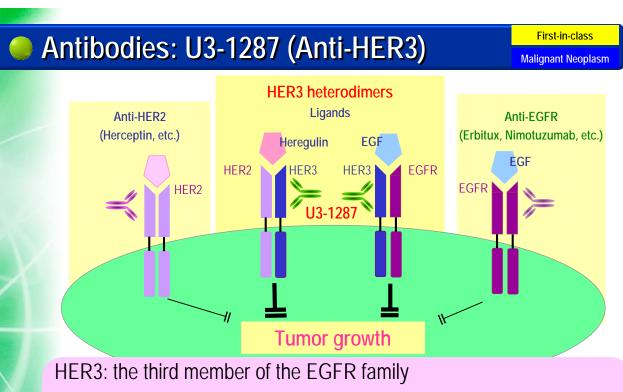
First-in-class

Malignant Neoplasm

Fully human monoclonal antibody that specifically targets the receptor activator of nuclear factor kappa B ligand (RANKL), an essential regulator of the cells that break down bone

- Multinational Phase 3 studies, including in Japan, are in progress for bone metastases of cancer
- Phase 2 study in US for rheumatoid arthritis completed (by Amgen)
- Promising results from studies for postmenopausal osteoporosis
 FREEDOM (presented by Amgen: at American Society for Bone and Mineral Research in September)





- Expression upregulated in several cancer cells
 - ➤ breast, gastrointestinal, lung, pancreas, prostate, skin tumors, etc.
- HER3 heterodimers have relatively higher mitogenic potential than HER2 homodimers or EGFR homodimers





Anti-influenza agent: CS-8958

- Anti-infectious agent; Neuraminidase inhibitor
- Inhaler formulation; Dry powder inhaler and nebulizer
- Long acting
- Target indication; Treatment and Prophylaxis of influenza
- Treatment: Single administration for treatment Prophylaxis: Once weekly (possibility)
- Self Development in Japan Phase 2 completed, POC confirmed Phase 3 on-going
- Collaboration with Biota for out-licensing in US/EU

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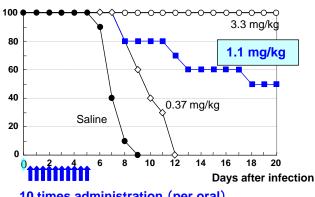
Anti-influenza agent: CS-8958

Lifeprolonging effect of single CS-8958 treatment is same as Oseltamivir repeated treatment

CS-8958 100 ---- Survival rate (%) 0.11 µmol/kg 80 60 0.037 μmol/kg 40 Saline 20 Single administration (per nasal)

Non-clinical Data Summary Pharmacology -

Oseltamivir Carboxylate*



10 times administration (per oral)

Minimum effective dose for significant life prolongation compared with saline arm

CS-8958 single: $0.037 \mu mol/kg = 18 \mu g/kg$ Oseltamivir repeat:

1.1 mg/kg (for mouse) 1.1 mg/body

66 mg/body (in human terms)

Mouse: BALB/c, 9, 6w, N = 10 Infection: A/PR/8/34, 100pfu, i.n. Treatment: CS-8958 single Oseltamivir twice/day 5 days





Anti-influenza agent: CS-8958

Inhibitory activity of Neuraminidase from Tamiflu-resistant strain(IC50, nM)

Non-clinical Data Summary - Pharmacology -

	Influenza Virus		R-125489	Zanamivir	Oseltamivir Carboxylate
	A/Yokohama/67/2006	wt	3.03	2.70	2.28
A/H1N1		H274Y	5.62	3.05	755
		R/wt ratio	1.9	1.1	330
1	A/Kawasaki/IMS22A-955/2003	wt	15.4	8.29	1.25
	A/Kawasaki/IMS22B-955/2003	R292K	10.6	11.2	10400
		R/wt ratio	0.69	1.4	8400
V/H3N2	A/Yokohama/IMS9A-2029/2003	wt	19.2	10.7	1.78
	A/Yokohama/IMS9B-2050/2003	E119V	13.2	7.71	140
		R/wt ratio	0.69	0.72	79
	A/Kawasaki/MS31A-1030/2002	wt	13.4	7.82	1.18
	A/Kawasaki/MS31B-1206/2002	R292K	37.3	13.5	37.2
		R/wt ratio	2.8	1.7	32

wt: Wild type strain

cf.R292K: AA changing point(Resistant st.)

R/wt ratio: IC₅₀ activity ratio

R-125489: CS-8958 active metabolite

Zanamivir: Relenza

Oseltamivir Carboxylate: Tamiflu active metabolite

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Daiichi Sankyo R&D Strategy Vision Statement

As a Global Pharma Innovator,
Daiichi Sankyo R&D will discover and
develop value added first-in-class and
best-in-class therapies expanding on our
legacy of quality and innovation to improve
patient health and raise global standards
for disease treatment and prevention





Corporate Mission, Vision

To Enrich the Quality of Life around the World through the Development of Innovative Pharmaceuticals

Global Pharma Innovator

To Become a World-class Pharmaceutical Innovator

Expanding our Global Reach

Fulfilling Unmet Medical Needs

Creating an Innovative Business Model

Global

Establish our own operations in key areas and strengthen our presence worldwide

Pharma

Focus on pharmaceuticals and continuously develop novel therapies

Innovator

Achieve scientific and technological innovations; create an innovative business model

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The estimates and assumptions underlying the projections involve judgments with respect to, among other things, future economic, competitive, regulatory and financial market conditions and future business decisions that may not be realized and are inherently subject to significant business, economic, competitive and regulatory uncertainties, all of which are difficult to predict and many of which are beyond our control. Accordingly, there can be no assurance that the projected results would be realized or that actual results would not differ materially from those presented in the financial information.

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