

Underlined items indicate changes from the previous announcement on Oct 31, 2018.

Oncology (1/2)

*Compounds with "In-house" in this column include ones discovered by collaborative research.

Generic Name Code No. (Brand Name)	Classification	Target Disease	Phase / Area	Dosage Form	Licensors*	Focus Area approach
enzalutamide MDV3100 (XTANDI®)	Androgen receptor inhibitor	Non-metastatic hormone-sensitive prostate cancer	P-III / US, Europe, Asia	Oral	Pfizer	
		Metastatic hormone-sensitive prostate cancer	P-III / US, Europe, Japan, Asia			
gilteritinib ASP2215 (XOSPATA®)	FLT3 inhibitor	Relapsed or refractory acute myeloid leukemia	<u>Approved (Nov. 2018) / US</u> P-III / Europe, Asia	Oral	In-house	
		Post-chemo maintenance acute myeloid leukemia	P-III / US, Europe, Japan, Asia			
		Post-HSCT maintenance acute myeloid leukemia	P-III / US, Europe, Japan, Asia			
		Newly diagnosed acute myeloid leukemia with low intensity induction of chemotherapy	P-III / US, Europe, Japan, Asia			
		Newly diagnosed acute myeloid leukemia with high intensity induction of chemotherapy	P-I / US, Japan			
degarelix ASP3550 (GONAX®)	GnRH antagonist	Prostate cancer (12-week formulation)	<u>Approved (Jan. 2019) / Japan</u>	Injection	Ferring	
zolbetuximab IMAB362	Anti-Claudin 18.2 monoclonal antibody	Gastric and gastroesophageal junction adenocarcinoma	P-III / US, Europe, Japan, Asia	Injection	In-house (Ganymed)	
		<u>Pancreatic adenocarcinoma</u>	<u>P-II / US, Europe, Japan, Asia</u>			
enfortumab vedotin ASG-22ME	ADC targeting nectin-4	Urothelial cancer	P-III / US, Europe, Japan, Asia	Injection	In-house [Co-development with Seattle Genetics]	
AGS-16C3F	ADC targeting ENPP3	Renal cell carcinoma	P-II / US, Europe	Injection	In-house [ADC technology in-licensed from Seattle Genetics]	
ASP1650	Anti-Claudin 6 monoclonal antibody	Testicular cancer	P-II / US	Injection	In-house (Ganymed)	

Oncology (2/2)

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Generic Name Code No. (Brand Name)	Classification	Target Disease	Phase / Area	Dosage Form	Licensor*	Focus Area approach
ASP1235/AGS62P1		Acute myeloid leukemia	P-I	Injection	In-house (ADC technology, EuCODE license from Ambrx)	
ASP8374/PTZ-201		Cancer	P-I	Injection	In-house (Potenza Therapeutics)	Biology: Cancer Immunology
ASP1948/PTZ-329		Cancer	P-I	Injection	In-house (Potenza Therapeutics)	Biology: Cancer Immunology
ASP1951/PTZ-522		Cancer	P-I	Injection	In-house (Potenza Therapeutics)	Biology: Cancer Immunology

Updates from the previous announcement (Oct. 2018):

enzalutamide (MDV3100): Removed the description of the approval in Europe for non-metastatic castration-resistant prostate cancer in Oct 2018.

blinatumomab (AMG 103): Removed the description of the approval in Japan for relapsed or refractory B-cell acute lymphoblastic leukemia in Sep 2018.

degarelix(ASP3550): 12-week formulation for prostate cancer approved in Japan in Jan 2019.

gilteritinib (ASP2215): Approved in US for FLT3 mutation positive relapsed or refractory acute myeloid leukemia in Nov 2018. Removed the description of approval in Japan for the same indication in Sep 2018.

zolbetuximab (IMAB362): Added a Phase 2 program for pancreatic adenocarcinoma.

Immunology, Muscle disease and Ophthalmology

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Generic Name Code No. (Brand Name)	Classification	Target Disease	Phase / Area	Dosage Form	Licensor*	Focus Area approach
peficitinib ASP015K	JAK inhibitor	Rheumatoid arthritis	Filed (May 2018) / Japan	Oral	In-house	
bleseelumab ASKP1240	Anti-CD40 monoclonal antibody	Recurrence of focal segmental glomerulosclerosis in de novo kidney transplant recipients	P-II / US	Injection	Kyowa Hakko Kirin	
ASP5094	Anti- α -9 integrin monoclonal antibody	Rheumatoid arthritis	P-II / Japan	Injection	In-house	
reldesemtiv CK-2127107	Fast skeletal muscle troponin activator	Spinal muscular atrophy	P-II / US	Oral	Cytokinetics	Biology: Molecular motor
		Amyotrophic lateral sclerosis	P-II / US			
ASP7317	Cell therapy (Retinal pigment epithelium cell)	Dry age-related macular degeneration, Stargardt's disease	P-II / US	Injection	In-house (Astellas Institute for Regenerative Medicine)	Modality/Technology: Cell therapy
ASP0367/MA-0211		Duchenne muscular dystrophy	P-I	Oral	In-house (Mitobridge)	Biology: Mitochondria
ASP0892		Peanut allergy	P-I	Injection	Immunomic Therapeutics	Modality/Technology: LAMP-vax technology

Update from the previous announcement (Oct. 2018):

ASP4070/JRC2-LAMP-vax: Discontinued the development of this program which was in Phase 2 for pollinosis caused by Japanese red cedar. Phase 2 study did not meet its primary endpoint.

reldesemtiv(CK-2127107): Discontinued the development for chronic obstructive pulmonary disease because Phase 2 study did not meet its primary endpoint.

Urology and Nephrology

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Generic Name Code No. (Brand Name)	Classification	Target Disease	Phase / Area	Dosage Form	Licensor*	Focus Area Approach
solifenacin YM905	Muscarine M ₃ receptor antagonist	Neurogenic detrusor overactivity in pediatric patients	Filed (Feb. 2017) / US	Oral	In-house	
roxadustat ASP1517/FG-4592	HIF stabilizer	Anemia associated with chronic kidney disease in patients on dialysis	Filed (Sep. 2018) / Japan P-III / Europe	Oral	FibroGen	
		Anemia associated with chronic kidney disease in patients not on dialysis	P-III / Europe P-III / Japan			
mirabegron YM178	β ₃ receptor agonist	Neurogenic detrusor overactivity in pediatric patients	P-III / Europe	Oral	In-house	
ASP6294	Nerve Growth Factor (NGF) neutralization antibody	Bladder pain syndrome / Interstitial cystitis	P-II / Europe	Injection	In-house	
ASP8302	Muscarine M ₃ receptor positive allosteric modulator	Underactive bladder	P-II / Europe, Japan	Oral	In-house	
ASP1128/MA-0217	<u>PPARδ</u> modulator	Acute kidney injury	<u>P-II / US</u>	Injection	In-house (Mitobridge)	Biology: Mitochondria

Update from the previous announcement (Oct. 2018):

ASP7713: Discontinued Phase 1 program for underactive bladder.

ASP1128/MA-0217: Progressed from Phase 1 to Phase 2.

Others

*Compounds with "In-house" in this column include ones discovered by collaborative research.

Generic Name Code No. (Brand Name)	Classification	Target Disease	Phase / Area	Dosage Form	Licensor*	Focus Area approach
ipragliflozin ASP1941 (Suglat [®])	SGLT2 inhibitor	Type 1 diabetes	<u>Approved (Dec. 2018) / Japan</u>	Oral	In-house [Co-development with Kotobuki]	
romosozumab AMG 785 (EVENITY [®])	Anti-Sclerostin monoclonal antibody	Osteoporosis in patients at high risk of fracture	<u>Approved (Jan. 2019) / Japan</u>	Injection	Amgen [Co-development with Amgen Astellas]	
evolocumab AMG 145 (Repatha [®])	Anti-PCSK-9 monoclonal antibody	Statin intolerant hypercholesterolemia	Filed (Aug. 2018) / Japan	Injection	Amgen [Co-development with Amgen Astellas]	
fidaxomicin	Macrocyclic antibiotic	<i>Clostridium difficile</i> infection in pediatric patients	P-III / Europe	Oral	Merck	
fezolinetant ESN364	NK3 receptor antagonist	Menopause-related vasomotor symptoms	P-II / US P-I / Japan	Oral	In-house (Ogeda)	
ASP0819	Ca ²⁺ activated K ⁺ channel opener	Fibromyalgia	P-II / US	Oral	In-house	
ASP4345	Dopamine D ₁ receptor positive allosteric modulator	Cognitive impairment associated with schizophrenia	P-II / US	Oral	In-house	
isavuconazole ASP9766	Azole antifungal	Invasive aspergillosis and mucormycosis in pediatric patients	P-II / US	Injection	Basilea	
MucoRice-CTB		Prophylaxis of diarrhea caused by <i>Vibrio cholerae</i>	P-I	Oral	The Institute of Medical Science, the University of Tokyo	
ASP3772		<u>Prevention of pneumococcal disease</u>	<u>P-I</u>	<u>Injection</u>	<u>Affinivax</u>	

Updates from the previous announcement (Oct. 2018):

linaclotide (ASP0456): Removed the description of the approval in Japan for chronic constipation in Aug 2018.

romosozumab (AMG 785): Approved in Japan for osteoporosis in patients at high risk of fracture in Jan 2019.

ipragliflozin (ASP1941): Approved in Japan for type 1 diabetes in Dec 2018.

ASP1807/CC8464: Discontinued the development of this program which was in Phase 1 for neuropathic pain.

ASP3772: Progressed to Phase 1 for prevention of pneumococcal disease.