

R&D Pipeline

	* antibody	ဳ protein 🔏	small molecule	w Molecular E	ntity	→ Up	dated sind	e Dec. 31,	2019	4 (14 04 0000	
Nephrology Code Name Generic Name Mechanism		Mechanism of Action	Indication	Area	Stage					As of Mar. 31, 2020 [In-House or Licensed]	
	Formulation	Wechanism of Action	mulcation	Alea	Ph I	PhⅡ	PhⅢ	Filed	Approve d	Remarks	
	KRN321 Darbepoetin Alfa Injection	Long-Acting Erythropoiesis Stimulating Agent	Renal Anemia (on Dialysis)	CN				—		[Kirin-Amgen]	
sk.	KHK7580 Evocalcet Oral	Calcimimetic	Secondary Hyperparathyroidism	CN KR TW HK			\rightarrow			[Mitsubishi Tanabe Pharma]	
- A -	© RTA 402 Bardoxolone Methyl Oral	Antioxidant Inflammation Modulator	Diabetic Kidney Disease	JP			\rightarrow			[Reata]	
8	KW-3357 Antithrombin Gamma Injection	Recombinant Human Antithrombin	Preeclampsia	JP						[In-House]	
×	KHK7791 Tenapanor	INHER Inhibitor	Hyperphosphatemia Under Maintenance Dialysis	JP						[Ardelyx]	

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Code Name Generic Name		Mechanism of Action	Indication	Area			Stage	[In-House or Licensed]		
	Formulation	Wechanism of Action	mulcation	Alea	Ph I	PhⅡ	PhⅢ	Filed	Approve d	Remarks
Y	KW-0761 Mogamulizumab Injection	Anti-CCR4 Humanized Antibody	Mycosis Fungoides and Sézary Syndrome	AU						[In-House] POTELLIGENT [®]
			Adult T-cell Leukemia/ Lymphoma	US EU others						
*	© KHK2375 Entinostat Oral		Breast Cancer	JP						[Syndax]
		Long-Acting	Mobilization of Hematopoietic stem cell into Peripheral blood	JP						
8	KRN125 Pegfilgrastim Injection	Granulocyte Colony Stimulating Factor Product	Automated Injection Device for Decreasing the Incidence of Febrile Neutropenia in Patients Receiving Cancer Chemotherapy	JP	—					[Kirin-Amgen]
*	© KHK2455 Oral	IDO1 Inhibitor	Solid Tumor	US						[In-House] Combination with KW-0761
			Urothelial carcinoma	US						[In-House] Combination with avelumab
×	© ME-401 Oral	PI3Kδ Inhibitor	B-cell malignancies	JP	\Rightarrow					[MEI Pharma]

Immun	ology/Allergy Code Name		Mechanism of Action Indication	Area	Stage					[In-House or Licensed]
	Generic Name Formulation	Mechanism of Action			Ph I	Ph II	PhⅢ	Filed	Approve d	Remarks
Y	KHK4827 Brodalumab Injection	Anti-IL-17 Receptor A Fully Human Antibody	Axial Spondyloarthritis (axSpA)	TW				\rightarrow		[Kirin-Amgen] Concurrent submit of an application for Psoriatic
				JP						[Kirin-Amgen]
			Psoriasis	MY CN MO						
			Systemic Sclerosis	JP						
			Palmoplantar Pustulosis	JP			J			
	©KHK4083 Injection	Anti-OX40 Fully Human Antibody	Ulcerative Colitis	US EU others						[In-House] POTELLIGENT [®] Human Antibody-Producing Technology
Y				JP	\rightarrow					
			Atopic Dermatitis	JP US CA EU						
Y	ASKP1240 Bleselumab Injection	Anti-CD40 Fully Human Antibody	Recurrence of Focal Segmental Glomerulosclerosis (FSGS) in de novo kidney transplant recipients							[In-House] Human Antibody-Producing Technology Jointly Developed with Astellas



protein mall molecule **Y** antibody O New Molecular Entity Updated since Dec. 31, 2019 As of Mar. 31, 2020 Central Nervous System Code Name Stage [In-House or Licensed] Generic Name Mechanism of Action Indication Area Approve Remarks Filed $\operatorname{Ph} \operatorname{I\!I}$ PhⅢ Formulation Ph I KW-6002 Adenosine A2A Istradefylline Parkinson's Disease EU [In-House] Receptor Antagonist Oral KW-0761 Anti-CCR4 Humanized HTLV-1 associated [In-House] Mogamulizumab JΡ POTELLIGENT® Antibody myelopathy (HAM) Injection ©KW-6356 Adenosine A2A JР Parkinson's Disease [In-House] Oral Receptor Antagonist © KHK6640 JP EU Anti-Amyloid Beta Alzheimer's Disease [Immunas Pharma] Injection Peptide Antibody

Other Code Name							Stage	[In-House or Licensed]		
	Generic Name Formulation	Mechanism of Action	Indication	Area	Ph I	Ph II	PhⅢ	Filed	Approve d	Remarks
*	KRN23 Burosumab Injection	Anti-FGF23 Fully Human Antibody	X-linked Hypophosphatemia (XLH) Adult X-linked Hypophosphatemia (XLH) FGF23-Related Hypophosphatemic Rickets and Osteomalacia Tumor Induced Osteomalacia (TIO) Tumor Induced Osteomalacia (TIO) / Epidermal Nevus Syndrome (ENS)	CH TW KW SA CN HK SG BH OM EU KR US JP KR US						[In-House] Human Antibody-Producing Technology Jointly Developed with Ultragenyx in US and EU
8	AMG531 Romiplostim Injection	Thrombopoietin Receptor Agonist	Aplastic Anemia Who Have Had an Inadequate Response to Conventional Therapy Idiopathic (Immune) Thrombocytopenic Purpura Aplastic Anemia Who Were Previously Untreated with Immunosuppressive Therapy	TW KR CN JP KR TW			→	PhII/ PhIII PhII/ PhIII		[Kirin-Amgen]
8	KW-3357 Antithrombin Gamma Injection	Recombinant Human Antithrombin	Disseminated Intravascular Coagulation, Congenital Antithrombin Deficiency	EU						[In-House]