

## Business Strategies by Process Pipeline

### Status of drug candidates (as of July 25, 2019)

Asia: excluding Japan and China

Development code Product name <small>(Generic name)</small>	Category	Indications	Region	Stage		Origin		
				Phase			Filed	
				1	2			3
<b>Immuno-inflammation</b>								
<b>MT-5547</b>	Fully human anti-NGF monoclonal antibody	Osteoarthritis	Japan		Phase 2/3	US: Regeneron		
<b>MT-1303</b>	S1P receptor functional antagonist	Multiple sclerosis	Europe			In-house		
		Crohn's disease	Japan					
<b>MT-7117</b>	Dermatologicals, etc.	Erythropoietic protoporphyria	Global			In-house		
<b>MT-2990</b>	Fully human anti-interleukin-33 (IL-33) monoclonal antibody	Endometriosis	Global			In-house		
		Seasonal Allergic Rhinitis	-					
<b>Diabetes and kidney</b>								
<b>TA-7284 Canaglu (Canagliflozin)</b>	SGLT2 inhibitor	Type 2 diabetes mellitus	Asia			In-house		
		Diabetic nephropathy	Japan					
<b>MP-513 Tenelia (Teneligliptin)</b>	DPP-4 inhibitor	Type 2 diabetes mellitus	Asia			In-house		
			China					
			Europe					
<b>MT-6548 (Vadadustat)</b>	Hypoxia inducible factor prolyl hydroxylase inhibitor	Renal anemia	Japan		19.07	US: Akebia		
<b>MT-3995</b>	Selective mineralocorticoid receptor antagonist	Diabetic nephropathy	Europe			In-house		
			Japan					
		Non-alcoholic steatohepatitis: NASH	Japan					
<b>Central nervous system</b>								
<b>MCI-186 Radicut/Radicava (Edaravone)</b>	Free radical scavenger	Amyotrophic lateral sclerosis: ALS	China		19.04	In-house		
			Asia					
<b>MP-214 (Cariprazine)</b>	Dopamine D3/D2 receptor partial agonist	Schizophrenia	Asia			Hungary: Gedeon Richter		
<b>MT-5199</b>	Vesicular monoamine transporter type 2 inhibitor	Tardive dyskinesia	Japan		Phase 2/3	US: Neurocrine Biosciences		
<b>MT-8554</b>	TRPM8 antagonist	Painful diabetic peripheral neuropathy	Europe			In-house		
		Vasomotor symptoms associated with menopause	Global					
<b>ND0612 (Levodopa/Carbidopa)</b>	Continuous SC pump/patch pump	Parkinson's disease	Global			In-house		
<b>ND0701 (Apomorphine)</b>	Continuous SC pump	Parkinson's disease	-			In-house		
<b>MT-1186 (Edaravone)</b>	Free radical scavenger	Amyotrophic lateral sclerosis: ALS/Oral suspension	-			In-house		
<b>MT-6345</b>	Nervous system	-	-			Japan: Co-developed with Ube Industries		
<b>MT-3921</b>	Anti-RGMa antibody	Spinal cord injury	-			Japan: Co-developed with Osaka University		

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Development code Product name (Generic name)	Category	Indications	Region	Stage				Origin
				Phase			Filed	
				1	2	3		
<b>Vaccines</b>								
<b>MT-2355</b>	Combined vaccine	Prophylaxis of pertussis, diphtheria, tetanus, poliomyelitis and prophylaxis of Hib infection in infants	Japan				Japan: Co-developed with The Research Foundation for Microbial Diseases of Osaka University	
<b>MT-2271</b>	Plant-based VLP vaccine	Prophylaxis of seasonal influenza/adults	US, Europe				Canada: Medicago product	
		Prophylaxis of seasonal influenza/elderly	US, Europe					
<b>MT-8972</b>	Plant-based VLP vaccine	Prophylaxis of H5N1 influenza	Canada				Canada: Medicago product	
<b>MT-7529</b>	Plant-based VLP vaccine	Prophylaxis of H7N9 influenza	–				Canada: Medicago product	
<b>MT-5625</b>	Plant-based VLP vaccine	Prophylaxis of rotavirus gastroenteritis	–				Canada: Medicago product	
<b>Others</b>								
<b>TAU-284 Talion (Bepotastine)</b>	Selective histamine H1 receptor antagonist, anti-allergic agent	Allergic rhinitis, Urticaria	Asia				Japan: Licensed from Ube Industries	
<b>MT-4129</b>	Cardiovascular system, etc.	–	–				In-house	

## Major out-licensed products

Development code Product name (Generic name)	Category	Indications	Region	Stage				licensee
				Phase			Filed	
				1	2	3		
<b>Diabetes and kidney</b>								
<b>TA-7284 INVOKANA (Canagliflozin)</b>	SGLT2 inhibitor	Diabetic nephropathy	US			19.03	US: Janssen Pharmaceuticals	
<b>Central nervous system</b>								
<b>MT-210</b>	5-HT2A/Sigma 2 receptor antagonist	Schizophrenia	US, Europe				US: Minerva Neurosciences	
<b>Others</b>								
<b>MT-4580 Orkedia (Evocalcet)</b>	Ca sensing receptor agonist	Hypercalcemia in patients with parathyroid carcinoma or primary hyperparathyroidism	Japan			19.04	Japan: Licensed to Kyowa Kirin	