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This English version is intended to be a reference material to provide convenience for users. In the event of inconsistency between the Japanese original and this English translation, the former shall prevail.

Revision of Precautions Lopinavir/ritonavir

September 13, 2022

Therapeutic category

Anti-virus agents

Non-proprietary name

Lopinavir/ritonavir

Safety measure

Precautions should be revised.

Pharmaceuticals and Medical Devices Agency

Revision in line with the Instructions for Electronic Package Inserts of Prescription Drugs, etc. PSEHB Notification No. 0611-1 by the Director of Pharmaceutical Safety and Environmental Health Bureau, MHLW, dated June 11, 2021 (New instructions): Revised language is underlined.

Current			Revision	
2. CONTRAINDICATIONS			2. CONTRAINDICATIONS	
Patients receiving the following drugs: Pimozide, ergotamine			Patients receiving the following drugs: Pimozide, ergotamine	
tartrate/anhydrous caffeine/isopropylantipyrine, dihydroergotamine			tartrate/anhydrous caffeine/isopropylantipyrine, dihydroergotamine	
mesilate, ergometrine maleate, methylergometrine maleate,			mesilate, ergometrine maleate, methylergometrine maleate,	
midazolam, triazolam, lurasidone hydrochloride, vardenafil			midazolam, triazolam, lurasidone hydrochloride, vardenafil	
hydrochloride hydrate, sildenafil citrate (Revatio), tadalafil (Adcirca),			hydrochloride hydrate, sildenafil citrate (Revatio), tadalafil (Adcirca),	
blonanserin, azelnidipine, azelnidipine/olmesartan medoxomil,			blonanserin, azelnidipine, azelnidipine/olmesartan medoxomil,	
rivaroxaban, lomitapide mesilate, venetoclax [during its dose escalation			rivaroxaban, lomitapide mesilate, venetoclax [during its dose escalation	
phase for relapsed or refractory chronic lymphocytic leukemia			phase for relapsed or refractory chronic lymphocytic leukemia	
(including small lymphocytic lymphoma)], riociguat, voriconazole, or			(including small lymphocytic lymphoma)], voriconazole, or grazoprevir	
grazoprevir hydrate			hydrate	
10. INTERACTIONS			10. INTERACTIONS	
10.1 Contraindications for Co-administration			10.1 Contraindications for Co-administration	
Drugs	Signs, Symptoms, and	Mechanism and Risk	(deleted)	
	Treatment	Factors		
<u>Riociguat</u>	It has been reported	The inhibitory activity		
	that the blood	of lopinavir/ritonavir		
	concentration of	against cytochrome		
	riociguat was increased	P450 and that of		
	and the clearance of	ritonavir against		

riociguat was decreased	transporters (P-gp,
when co-administered	BCRP) may cause
with ketoconazole.	similar drug
	interactions.

10.2 Precautions for Co-administration (N/A)

10.2 Precautions for Co-administration

Drugs	Signs, Symptoms, and	Mechanism and Risk
	Treatment	Factors
Riociguat	The blood	The clearance of
	concentration of	riociguat is decreased
	riociguat may increase.	by the inhibition of
	When co-administration	CYP1A1 and CYP3A
	with lopinavir/ritonavir	by lopinavir/ritonavir.
	is necessary, patients	
	should be monitored for	
	their conditions and	
	dose reduction of	
	riociguat should be	
	considered as	
	necessary.	

N/A: Not Applicable. No corresponding language is included in the current Precautions.