19-07-2021



Since early embryonic deaths and teratogenicity have been observed in animal studies for favipiravir, do not administer the drug to women known or suspected to be pregnant.

When administering favipiravir to women of child-bearing potential, confirm a negative pregnancy test result before starting treatment. Explain the risks fully and instruct thoroughly to use the most effective contraceptive methods with her partner during and for seven days after the end of treatment. If pregnancy is suspected during the treatment, instruct to discontinue the treatment immediately and to consult at doctor.

Favipiravir is distributed in sperm, When administering the drug to male patients, explain fully the risks and instruct thoroughly to use the most effective contraceptive methods in sexual intercourse during and for seven days after the end of the treatment (men must wear a condom). In addition, instruct not to have sexual intercourse with pregnant women.

Prior to the treatment, explain thoroughly the efficacy and risks (including risks of exposure to fetus) in writing to patients or their family members and obtain their written consent. Examine carefully the necessity of favipiravir before use.

Favipiravir is a drug the use of which is considered only when there is an outbreak of novel or re-emerging influenza virus infections in which other anti-influenza virus agents are not effective or insufficiently effective, and the government decides to use the drug as a counter measure against such influenza viruses. When administering the drug, obtain the latest information including government's direction of counter measures against such influenza viruses, and prescribe only to appropriate patients. Favipriavir has not been used for rovel or re-emerging influenza virus infections. Information about adverse reactions and clinical study results in this package insert is based on Japanese clinical studies with dose levels lower than the approved dosage and overseas clinical studies.

PHARMACEUTICAL FORM

CLINICAL PARTICULARS THERAPEUTIC INDICATIONS:

Novel or re-emerging influenza virus infections (limited to cases in which other anti-influenza virus agents are not effective or insufficiently effective)

POSOLOGY AND METHOD OF ADMINISTRATION
Posology: The usual dosage of favipiravir for adults is 1600mg orally twice daily for 1 day followed by 600mg orally twice daily for 4 days. The total administration period

CONTRAINDICATIONS: Women known or suspected to be pregnant (Early embryonic deaths and teratogenicity have been observed in animal studies)
 Patients with a history of hypersensitivity to any ingredient of the drug.

SPECIAL WARNINGS AND PRECAUTIONS FOR USE:

SPECIAL WARRINGS AND PRECAD LIMB FOR USE:

Precautions: Purpriavir is a drug the use of which is considered only when there is an outbreak of novel or re-emerging influenza virus infections in which other anti-influenza virus agents are not effective or insufficiently effective, and the government decides to use the drug as a counterwise against such influenza virus agents are not effective or insufficiently effective, and the government of countermeaves against such influenza virus agent influenza virus against such influenza virus against such influenza virus against such influenza virus dependent in experiments direction of countermeaves against such influenza virus against such influenza virus virus influenza virus v

Favipiravir is not effective against bacterial infections.

Favipiravir has not been administered to children.

The administration should be started promptly after the onset of influenza-like symptoms.

Careful Administration (favipiravir should be administered with car uric acid level may increase), and symptoms may be aggravated. nistered with care in the following patients.): Patients with gout or a history of gout, and patients with hyperuricaemia (blood

No clinical study has been conducted to examine the efficacy and safety of favipiravir with the approved dosage. The approved dosage was estimated based on the rest of a placebo-controlled phase III clinical study in patients with influenza virus infection and the pharmacokinetic data from Japanese and overseas studies, Increase of plass level of abaptivary has been reported in patients with liver function impairment in pharmacokinetic study conducted outdoor Japan.

Although the causal relationship is unknown, psychoneurotic symptoms such as abnormal behavior after administration of anti-influenza virus agents including favipiravir have been reported. For the treatment of children and minors, as a preventive approach in case of an accident due to abnormal behavior such as fall, patients/their family should be instructed that, after the start of treatment with anti-influenza virus agents, (i) abnormal behavior may be developed, and (ii) guardians and others should make an arrangement so that children/minors are not left alone for at least 2 days when they are treated at home, Since similar symptoms associated with influenza encephalopathy have been reported, the same instruction as above should be given.

Influenza virus infection may be complicated with bacterial infections or may be confused with influenza-like symptoms. In case of bacterial infection or suspected to be bacterial infection, appropriate measures should be taken, such as administration of anti-bacterial agents.

Other Precautions: In animal studies, histopathological changes of testis in rats (12 weeks old) and young dogs (7 to 8 months old), and abnormal findings of sperm in mice (11 weeks old) have been reported. Recovery or tendency of recovery has been observed in those studies after the administration was suspended.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION:
Favipiravir is not metabolized by cytochrome P-450 (CYP), mostly metabolized by aldehyde oxidase (AO), and partly metabolized by xanthine oxidase (XO). The drug inhibits AO and CYP2C8, but does not induce CYP.

Drugs	Signs, Symptoms, and Treatment	Mechanism and Risk Factors	
Pyrazinamide	Blood uric acid level increases. When pyrazinamide 1.5g once daily and favipiravir 1200mg/400mg BID were administered, the blood uric acid level was 11.6mg/dL when pyrazinamide was administered alone, and 13.9mg/dL in combination with favipiravir.	Reabsorption of uric acid in the renal tubule is additively enhanced.	
Repaglinide	Blood level of repaglinide may increase, and adverse reactions to repaglinide may occur.	Inhibition of CYP2C8 increases blood level of repaglinide	
Theophylline ⁵	Blood level of favipiravir may increase, and adverse reactions to favipiravir may occur.	Interaction with XO may increase blood level of favipiravir.	
Famciclovir, Sulindac	Efficacy of these drugs may be reduced.	Inhibition of AO by favipiravir ³ may decrease blood level of active forms of these drugs.	

- PRESTANCE AND LOCATION.

 1. Do not administer favipriave to women known or suspected to be pregnant. (Early embryonic deaths [rats] and teratogenicity [monkeys, mice, rats and rabbits] have been observed in animal studies with exposure levels similar to or lower than the clinical exposure)

 2. When administering to lacating women, instruct to stop lacating, (The major metabolite of favipriavir, a hydroxylated form, was found to be distributed in breast milk)

UNDESIRABLE EFFECTS:

Favipriavir has never been administered with the approved dosage, In Japanese clinical studies and the global phase III study (studies conducted with dose levels lower than the approved dosage), adverse reactions were observed in 100 of 501 subjects (19,96%) evaluated for the safety (including abnormal laboratory test values). Major adverse reactions included increase of blood uris call evel in 24 subjects (19,76%), diarrhoea in 24 subjects (4,79%), decrease of neutrophil count in 9 subjects (1,80%), increase of AST (GOT) in 9 subjec

Shock, anaphylaxis.
 Pneumonia

19-07-2021

Hepatitis fulminant, hepatic dysfunction, jaundice.
 Toxic epidermal necrolysis (TEN), oculomucocutaneous syndrome (Stevens-Johnson syndrome).
 Acute kidney fujny.
 White blood cell count decreased, neutrophil count decreased, platelet count decreased.
 Neurological and psychiatric symptoms (consciousness disturbed, abnormal behavior, deliria, hallucination, delusion, convulsion, etc.).
 Collish haemorrhagic.

Other adverse reactions*: If the following adverse reactions occur, appropriate measures should be taken according to the symptoms.

	≥1%	0.5 - < 1%	< 0.5% Eczema, pruritus		
Hypersensitivity		Rash			
Hepatic	AST (GOT) increased, ALT (GPT) increased, Y GTP increased		Blood ALP increased, blood bilirubin increased		
Gastrointestinal	Diarrhoea (4.79%)	Nausea, vomiting, abdominal pain	Abdominal discomfort, duodenal ulcer, haematochezia, gastritis		
Hematologic	Neutrophil count decreased, white blood cell count decreased		White blood cell count increased, reticulocyte count decreased, monocyte increased		
Metabolic disorders	Blood uric acid increased (4.79%), blood triglycerides increased	Glucose urine present	Blood potassium decreased		
Respiratory			Asthma, oropharyngeal pain, rhinitis, nasopharyngitis		
Others			Blood CK (CPK) increased, blood urine present, tonsil polyp, pigmentation, dysgeusia, bruise, vision blurred, eye pain, vertigo, supraventricular extrasystoles		

*Adverse reactions observed in Japanese clinical studies and the global phase III clinical study (studies conducted with dose levels lower than the approval dosage).

Use in the Elderly: Since the elderly often have reduced physiological functions, it should be administered with care to them by monitoring their general conditions. Use during Pregnancy, Delivery or Lactation: Do not administer to women known or suspected to be pregnant. (Early embryonic deaths [rats] and teratogenicity [monkeys, mice, rats and rabbits] have been observed in animal studies with exposure levels smillar to or lower than the clinical exposure.)
When administering to lactating women, instruct to stop lactating. The major metabolite, a hydroxylated form, was found to be distributed in breast milk.
Paediatric Use: Favipravir has not been administered to children. (In a one month study with juvenile dogs [8 weeks old], death cases have been reported after day 20 with a dosage (60mg/kg/day) which was lower than the cliental dosage for young dogs [7 to 8 months old]. In juvenile animals [6-day-old rats and 8-week-old dogs], abnormal gait, alrophy and vacuolation of skeletal muscular fiber, degeneration/necrosis/mineralization of papillary muscle have been reported.)

PHARMACOLOGICAL PROPERTIES PHARMACODYNAMIC PROPERTIES: ATC Cod: J05AX27

Mechanism of action: It is considered that favipiravir is metabolised in cells to a ribosyl triphosphate form (favipiravir RTP) and that favipiravir RTP selectively inhibits RNA polymerase involved in influenza viral replication. With regards to the activity against human DNA polymerases O, β and Υ, favipiravir RTP (1000 μmol/L) showed no inhibitory effect on C, β or 11.3% inhibitory RTP on human RNA polymerase II was 900 μmol/L).

Resistance: No change of susceptibility of type A influenza viruses to favipiravir was observed after 30 passages in the presence of favipiravir, and no resistant viruses have been selected. In clinical studies including the global phase III study, information about emergence of favipiravir-resistant influenza viruses has not been obtained.

PHARMACOKINETIC PROPERTIES:

PHARMACURINE IC PROPERTIES:

Blood Concentrations: The following lable shows pharmacokinetic parameters of favipiravir after an oral administration in 8 healthy adults at 1600mg twice daily for 1 day, then 600mg twice daily for 4 days followed by 600mg once daily for 1 day (1600mg/600mg B.I.D.).

Pharmacokinetic parameters of favipiravir:

Dosage		*C _{max} (µg/mL)	**AUC (µg* hr/mL)	\$T _{max} (hr)	^^T1/2 (hr)
1600mg/600mg B. I. D.	Day 1	64.56 (17.2)	446.09 (28.1)	1.5 (0.75, 4)	4.8±1.1
	Day 6	64.69 (24.1)	553.98 (31.2)	1.5 (0.75, 2)	5.6±2.3

Distribution: Results in non-Japanese: When favipiravir was orally administered to 20 healthy adult male subjects at 1200mg lwice daily for 1 day followed by 800mg lwice daily for 4 days (1200mg/800mg B.I.D.) Note 7, the geometric mean concentration of the drug in semen was 18.341µgmL on Day 3, and 0.053µg/mL on the second day after the treatment.

The semen levels became below the limit of quantification (0.02µg/mL) in all subjects in 7 days after the end of the treatment. The mean ratio of the drug concentration in semen to that in plasma was 0.53 on Day 3 and 0.45 on the second day after the treatment.

The approved dosage of favipriari is "1600mg orally twice daily for 1 day followed by 600mg orally twice daily for 4 days". The serum protein binding ratio was 53.4 to 54.4% (in-vitro, centrifugal ultrafiltration) at 0.3 to 30µgmL.

(in-vitro, centrifugal ultrafiltration) at 0.3 to 30 upon the control of the cont

When favipiravir was orally administered to subjects with severe liver function impairment (Child-Pugh classification C, 4 subjects) at 800mg twice daily for 1 days (800mg/400mg B.I.D.)* No. compared to healthy adult subjects, C_{max} and AUC at day 3 were approximately 2.1 fold and 6.3 fold, respectively. "The approved obsage of favipiraris" is 1600mg orally twice daily for 1 day followed by 600mg orally twice daily for 1 day followed by 600mg orally twice daily for 1 days followed by 600mg orally followed by 600m

FAVUZA 200mg tablets in a pack of 30's.

INSTRUCTIONS
Dosage: As advised by the physician.
To be sold on the prescription of registered medical practitioner.
Keep out of reach of children.
Avoid exposure to heat, light and humidity.
Store between 15 to 30°C.
Improper storage may deteriorate the medicine.





Manufactured by: SAMI Pharmaceuticals (Pvt.) Ltd. F-95, S.I.T.E., Karachi-Pakistan www.samipharmaps. Mfg Lic. No. 000072 www.samipharmapk.com

^{**}Day 1: AUC_{0-∞}, Day 6: AUC_t \$ Median (minimum, maximum)

^{^^}Mean+SD