

(Sofosbuvir + Velpatasvir)

▼ This medicinal product is subject to additional monitoring. This will allow quick identification of new safety information

## WARNING: RISK OF HEPATITIS B VIRUS REACTIVATION IN PATIENTS COINFECTED WITH HCV AND HBV

Test all patients for evidence of current or prior hepatitis B virus (HBV) infection before initiating treatment with OCVIR®V. HBV reactivation has been reported in HCVIHBV coinfected patients who were undergoing or had completed treatment with HCV direct acting antivirials and were not receiving HBV antivirial therapy. Some cases have resulted in full minant hepatitis, hepatic failure, and death. Monitor HCV/HBV coinfected patients for hepatitis flare or HBV reactivation during HCV treatment and post-treatment follow-up. Initiate appropriate part management for HBV infections as clinically indicates of circles) indicated patients for hepatitis flare or HBV reactivation during HCV treatment and post-treatment follow-up. Initiate appropriate part management for HBV infections as clinically indicated and initiate appropriate part management for HBV infections as clinically indicated and initiate appropriate patients are management for HBV infections as clinically indicated and initiate part of the management of the HBV infections as clinically indicated and initiate appropriate patients are management for HBV infections as clinically indicated patients for hepatitisms are management for the HBV infections as clinically indicated patients are management for the HBV infections as clinically indicated patients for hepatitisms and the HBV infections are clinically indicated patients.

### QUALITATIVE & QUANTITATIVE COMPOSITION

OCVIR®-V 400mg/100mg Tablets Each film coated tablet contains:

Sofosbuvir MS......400mg Velpatasvir MS......100mg

PHARMACEUTICAL FORM

### CLINICAL PARTICULARS

THERAPEUTIC INDICATIONS: OCVIR® V is a fixed-dose combination of sofosbuvir, a hepatitis C virus (HCV) nucleotide analog NS5B polymerase inhibitor, and velpatasvir, an HCV NS5A inhibitor, and is indicated for the treatment of adult and paediatric patients 6 years of age and older or weighing at least 17 kg with chronic HCV genotype 1, 2, 3, 4, 5, or 6 infection.

\*\*without cirribos or with compensated cirribosis.\*\* • with decompensated cirribosis.\*\* • with decompensated cirribosis.\*\*

\*POSOLOGY AND METHOD OF ADMINISTRATION: Posology: OCVIR® V treatment should be initiated and monitored by a physician experienced in the management of patients with HCV infection. The recommended

dos of OCVIR®-V is one tablet, taken orally, once daily with or without food. Testing Prior to the Initiation of Therapy: Test all patients for evidence of current or prior HBV infection by measuring hepatitis B surface antigen (HBsAg) and hepatitis B core antibody (anti-HBc) before initiating HCV treatment. Recommended Treatment Regimen and Duration in Patients 6 Years of Age and Older or Weighing at Least 17kg: Table 1 shows the recommended treatment regimen and duration in a patients of Years of Age and Older or Weighing at Least 17kg: Table 1 shows the recommended treatment regimen and duration based on patient population. For patients with HCV/HP4-1 coinfliction, follow the dosage recommendations in Table 1. For treatment-naive and treatment-experienced liver transplant recipients without cirrhosis or with compensated cirrhosis (Chid-Pugh A), the recommended regimen is once daily for 12 weeks

Table 1: Recommended Treatment Regimen and Duration in Patients 6 Years of Age and Older or Weighing at Least 17kg with Genotype 1, 2, 3, 4, 5, or 6 HCV

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Patient Population						Treatment Regimen and Duration
Treatment-naïve and treatment-experienced, without cirrhosis and with compensated cirrhosis (Child-Pugh A)						OCVIR®-V 12 weeks
Treatment-naïve and treatment-experienced, with decompensated cirrhosis (Child-Pugh B or C)						OCVIR®-V + ribavirin 12 weeks

Recommended Dosage in Adults: The recommended dosage in adults is one tablet (400mg sofosbuvir and 100mg velpatasvir) taken orally once daily with or without food.

When administered the recommended dosage of ribavirin is based on weight (administered with food): 1,000mg per day for patients less than 75kg and 1,200mg for those weighing at least 75kg, divided and administered twice daily. The starting dosage and on-releament dosage of ribavirin can be decreased based on hemoglobin arcelatinic scleamane. For ribavirin dosage modifications refer to the ribavirin prescribing information.

Recommended Dosage in Paediatric Patients & Years of Age and Older or Weighting at Least 17kg: The recommended dosage in paediatric patients (years of age and older or weighing at least 17kg is based on weight and provided in Table 2. Table 3 provides the weight-based dosage of ribavirin when used in combination for paediatric patients. Take once daily with or without food.

Table 2: Dosing for Paediatric Patients 6 Years and Older or Weighing at least17 kg with Genotype 1, 2, 3, 4, 5, or 6 HCV

Body Weight (kg)	Dosing of OCVIR®-V	OCVIR®-V Daily Dose		
At least 30	One 400mg/100mg tablet once daily or Two 200mg/50mg tablets once daily	400mg/100mg per day		
17 to less than 30	One 200mg/50mg tablet once daily	200mg/50mg per day		

# Table 3: Recommended Dosing for Ribavirin in Combination Therapy for Paediatric Patients 6 Years and Older

Body Weight (kg)	Oral Ribavirin Daily Dosage				
Less than 47	15mg per kg per day (divided dose AM & PM)				
47–49	600mg per day (1 x 200mg AM, 2 x 200mg PM)				
50-65	800mg per day (2 x 200mg AM, 2 x 200mg PM)				
66–80	1,000mg per day (2 x 200mg AM, 3 x 200mg PM)				
Greater than 80	1,200 mg per day (3 x 200mg AM, 3 x 200mg PM)				

The daily dosage of ribayirin is weight-based and is administered orally in two divided doses with food

Renal Impairment: No dosage adjustment is recommended in patients with any degree of renal impairment, including patients requiring dialysis. Administer with or without ribavirin according to the recommendations in Table 1. Refer to ribavirin tablet prescribing information for ribavirin dosage modification for patients with CrCI less than or equal to 50mL per minute.

Hepatic Impairment: No dose adjustment of OCVIR® V is required for patients with mild, moderate, or severe hepatic impairment. Elderly patients: No dose adjustment is warranted for elderly patients. Method of Administration: For oral use, Patients should be instructed to swallow the tablet whole with or without food, Due to the bitter taste, it is recommended that the film coated tablet is not chewed or crushed,

CONTRAINDICATIONS: • OCVIR®-V and ribavirin combination regimen is contraindicated in patients for whom ribavirin is contraindicated. • Hypersensitivity to the active substances or to any of the excipients.
• Medicinal products that are strong P-glycoprotein (P-gp) and/or strong cytochrome P450 (CYP) inducers (carbamazepine, phenobarbital, phenytoin, rifampicin, rifabutin and St. John's wort). Co-administration will significantly decrease sofosbuvir or velpatasvir plasma concentrations and could result in loss of efficacy.

significantly decrease sofosbuvir or velpitatavir plasma concentrations and could result in loss of efficacy.

SPECIAL WARNINGS AND PRECAUTIONS FOR USE: Severe bradycardia and heart block: Life-threatening cases of severe bradycardia and heart block have been observed when sofosbuvir-containing regimens are used in combination with amiodarone. Bradycardia has generally occurred within hours to days, but cases with a longer time to onset have been observed mostly up to 2 weeks after initiating HCV treatment. Amiodarone should only be used in patients on OCVIR<sup>2</sup>V when other alternative anti-errhythmic treatments are not tolerated or are contraindicated. Should concomitant use of amiodarone be considered necessary, it is recommended that patients undergo cardiac monitoring in an in-patient setting for the first 48 hours of co-administration, after which outpatient or self-monitoring of the heart rate should occur on a daily basis frow monits and are to be initiated. All patients with hour current to recent use of amiodarone, cardiac monitoring as outlined above should also be carried out for patients who have discontinued amiodarone within the past few monits and are to be initiated. All patients with outpatients of undergoted contrained to the symptoms of bradycardia and heart block and should be advised to seek medical advice upgently should they experience them. HCV/HBV (hepatitis B virus) co-infected spatients are at risk of HBV reactivation, and should therefore be monitored and managed according to current clinical guidelines. Patients who have previously failed therapy with an MSSA-containing regimen. There are no clinical data to support the efficacy of sofosburive/healtavir for the treatment of patients who have previously failed therapy with an MSSA-containing regimen. There are no clinical data to support the efficacy of sofosburive/healtavir for the treatment of patients who have required patien pagetts with creatinities clearatines 9 of inflimitin us with minimarity and incorrect program of the control o Safety and efficacy of OCVIR®-V has not been assessed in patients with CPT Class C cirrhosis. Liver transplant patients: The safety and efficacy in the treatment of HCV infection in patients who are post-liver transplant has not been assessed. Treatment in accordance with the recommended posology should be guided by an assessment of the potential benefits and risks for the individual patient.

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION: As OCVIR® V contains sofosbuvir and velpatasvir, any interactions that have been identified with these active substances individually may occur with OCVIR®V.

Potential to affect other medicinal products: Velpatasvir is an inhibitor of drug transporter P-gp, breast cancer resistance protein (BCRP), organic anion-transporting polypeptide (OATP) 1B1 and OATP1B3. Co-

Potential to affect other medicinal products: Velpatasivir is an innibitor of drug transporter P-gp, breast cancer resistance protein (BCMP), organic anion-transporting popipeptice (OAIP) Bit and OAIP183. Co-administration of OCVIER\*V with medicinal products that are substantates of these transporters may increase the exposure of such medicinal products affect OCV: Sofosbuvir and velpatasivi and velpatasivi products.

Nedicinal products that are strong inducers of P-gp and/or strong inducers of CYP28A (x PCXP3A (a CVP2A) and CYP3A) was observed.

Medicinal products that are strong inducers of P-gp and/or strong inducers of CYP28B, CYPC28, or CYP3A4 (e.g., carbamazepine, phenobarbital and phenyloin, rifampicin, rifabultin and St. John's wort) may decrease plasma concentrations of sofosbuvir or velpatasivi relating to reduced therapeutic effect of sofosbuvir or velpatasivir, the use of such medicinal products is contraindicated. Medicinal products that are moderate P-gp inducers and/or moderate CYP2 inducers (e.g., elavierar, modafinii, oxcarbazepine or rifapentine) may decrease sofosbuvir or velpatasivir plasma concentration leading to reduced therapeutic effect. Co-administration with such medicinal products is not recommended.

Co-administration with medicinal products that inhibit P-gp or BCRP may increase sofosbuvir or velpatasivir plasma concentration of velpatasivir, Clinically significant medicinal product interactions mediated by P-gp, BCRP, OATP, or CYP450 inhibitors are not expected; may be co-administered with P-gp, BCRP, OATP and CYP1 inhibitors.

CYP inhibitors.

Patients treated with vitamin K antagonists: As liver function may change during treatment with sofosbuvir / velpatasvir, a close monitoring of International Normalised Ratio (INR) values is recommended. Impact of DAA therapy on drugs metabolized by the liver: The pharmocynical properties of drugs that are metabolized by the liver (e.g., immune suppressive agents such as calcineurin inhibitors) may be impacted by heapen of DAA therapy, related to clearance of HCV.

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### INTERACTIONS BETWEEN OCVIR®-V AND OTHER MEDICINAL PRODUCTS: Effects on medicinal product levels. Mean ratio (90% confidence interval)a,b Medicinal product by therapeutic areas / Possible Recommendation concerning co-administration with Sofosbuvir / Velpatasvir Active C<sub>max</sub> AUC C<sub>min</sub> ACID REDUCING AGENTS Velpatasvir solubility decreases as pH increases. Medicinal products that increase gastric pH are expected to decrease the concentration of velpatasvir. e.g. Aluminium or magnesium hydroxide; calcium carbonate (Increase in gastric pH) Interaction not studied. Expected. ↔ Sofosbuvir ↓ Velpatasvir It is recommended to separate antacid and sofosbuvir / velpatasvir administration by 4 hours. H2-receptor antagonists Famotidine (40mg single dose)/ sofosbuvir / velpatasvir (400 / 100mg single dose). Famotidine dosed simultaneously with sofosbuvir / velpatasvir, Cimetidine, Nizatidine, Ranitidine (Increase in gastric pH) H2-receptor antagonists may be administered simultaneously with or staggered from sofosbuvir / velpatasvir at a dose that does not exceed doses comparable to famotidine 40mg twice daily. $\leftrightarrow$ $\leftrightarrow$ ↓ 0.80 (0.70, 0.91 ↓ 0.81 (0.71, 0.91 Famotidine (40mg single dose)/ sofosbuvir / velpatasvir (400 / 100mg single dose)c Sofosbuvi ↓ 0.77 1.0.80 (0.68, 0.87) (0.73, 0.88) Famotidine dosed 12 hours prior to sofosbuvir / velpatasvir d (Increase in gastric pH) Velpatasvi $\leftrightarrow$ $\leftrightarrow$ Proton pump inhibitors Co-administration with proton pump inhibitors is not recommended. If it is considered necessary to co-administer, then sofosbuvir / velpatasvir should be administered with food and taken 4 hours before proton pump inhibitor at max doses comparable to omeprazede 20mg. ↓ 0.66 ↓ 0.71 (0.55, 0.78) (0.60, 0.83) Omeprazole (20mg once daily)/ sofosbuvir / velpatasvir (400 / 100mg single dose fasted)c Sofoshuvir Omeprazole dosed simultaneously with sofosbuvir / velpatas Lansoprazole, Rabeprazole, Pantoprazole, Esomeprazole (Increase in gastric pH) ↓ 0.63 (0.50, 0.78) 1.0.64 (0.52, 0.79) Omeprazole(20mg once daily)/ sofosbuvir / velpatasvii (400 / 100mg single dose fed)c ↓ 0.79 (0.68, 0.92) Sofosbuvi $\leftrightarrow$ Omeprazole dosed 4 hours after sofosbuvir / velpatasvir (Increase in gastric pH) ↓ 0.67 ↓ 0.74 Velpatasvir (0.58, 0.78) (0.63, 0.86) ANTIARRHYTHMICS Amiodarone Effect on amiodarone, velpatasvir, and sofosbuvir Co-administration of amiodarone with a sofosbuvir containing regimen may result in serious symptomatic bradycardia. Use only if no other alternative is available. Close monitoring is concentrations unknown recommended if this medicinal product is administered with sofosbuvir / velpatasvir. Interaction only studied with velpatasvir Expected: ↔ Sofosbuvir Co-administration of sofosbuvir / velpatasvir with digoxin may increase the concentration of digoxin. Caution is warranted and therapeutic concentration monitoring of digoxin is recommended when co-administered with sofosbuvir / velpatasvir. Digoxin Effect on velpatasvir exposure not studied Expected: ↔ Velpatasvir Digoxin (0.25mg single dose)f / velpatasvir (100mg Observed: ↑ 1.9 Digoxin (1.7, 2.1) ANTICOAGULANTS Interaction not studied. Expected: ↑ Dabigatran → Sofosbuvir ↔ Velpatasvir Clinical monitoring, looking for signs of bleeding and anaemia, is recommended when dabigatran etexilate is co-administered with sofosbuvir / velpatasvir. A coagulation test helps to identify patients with an increased bleeding risk due to increased dabigatran exposure. Dabigatran etexilate (Inhibition of P-gp) Close monitoring of INR is recommended with all vitamin K antagonists. This is due to liver function changes during treatment with sofosbuvir / velpatasvir . Vitamin K antagonists Interaction not studied ANTICONVIII SANTS Phenytoin, Phenobarbital (Induction of P-gp CYPs) Interaction not studied. Sofosbuvir / velpatasvir is contraindicated with phenobarbital and phenytoin. Expected: ↓ Sofosbuvir ↓ Velpatasvir Carbamazepine (Induction of P-gp and CYPs) Interaction not studied, Expected: Velpatasvir Sofosbuvir / velpatasvir is contraindicated with carbamazepine. Observed: \$\int 0.52 \\ \ \ \ 0.52 \\ \ \ \ \ \ (0.46, 0.59)\$ Co-administration of sofosbuvir / velpatasvir with oxcarbazepine is expected to decrease the concentration of sofosbuvir and velpatasvir, leading to reduced therapeutic effect of sofosbuvir / velpatasvir . Co-administration is not recommended. Interaction not studied. Expected: ↓ Sofosbuvir ↓ Velpatasvir Oxcarbazepine (Induction of P-gp and CYPs) ANTIFLINGALS No dose adjustment of sofosbuvir / velpatasvir or ketoconazole is required. Interaction only studied with velpatasvir Expected: ↔ Sofosbuvir Effect on ketoconazole exposure not studied. Expected: ← Ketoconazole Ketoconazole (200mg twice daily)/ velpatasvir (100mg single dose)d (Inhibition of P-gp and CYPs) Itraconazole, Voriconazole, Posaconazole, Isavuconazole Observed: ↑1.3 ↑1.7 Velpatasvir (1.0, 1.6) (1.4, 2.2) ANTIMYCOBACTERIALS Effect on rifampicin exposure not studied Rifampicin (600mg once daily) / sofosbuvir (400mg single dose)d Sofosbuvir / velpatasvir is contraindicated with rifampicin. Expected: ↔ Rifampicin Observed: \$\ \dot 0.23 \\ \sqrt{0.19, 0.29} \dot 0.24, 0.32 \right) (Induction of P-gp and CYPs) Effect on rifampicin exposure not studied Expected: ↔ Rifampicin Rifampicin (600mg once daily)/ velpatasvir (100mg single dose) (Induction of P-gp and CYPs) Observed: ↓ 0.29 ↓ 0.18 Velpatasvir (0.23, 0.37) ( 0.15, 0.22) Interaction not studied. Expected: ↓ Velpatasvi Sofosbuvir / velpatasvir is contraindicated with rifabutin. Rifabutin (Induction of P-gp and CYPs) Observed: \$\int 0.64\$ \$0.65, 0.77\$ \$\int 0.63, 0.77\$ \$\int 0.63, 0.91\$ Co-administration of sofosbuvir / velpatasvir with rifapentine is expected to decrease the concentration of sofosbuvir and velpatasvir, leading to reduced therapeutic effect of sofosbuvir / velpatasvir. Co-administration is not recommended. Interaction not studied. Expected: ↓ Sofosbuvir ↓ Velpatasvir Rifapentine (Induction of P-gp and CYPs) HIV ANTIVIRAL AGENTS: REVERSE TRANSCRIPTASE INHIBITORS Softshurir / velpatasvir has been shown to increase tendovir exposure (P-gy-inhibition). The increase in tendovir exposure (AUC and Cm<sub>0</sub>) was around 40-80% during co-treatment with softosburir / velpatasvir and tendovir disoproxil fumarate / emtricitabine as part of various HIV regimens. Patients receiving tendovir disoproxil fumarate and softosburir / velpatasvir concentratily should be monitored for adverse reactions associated with tendovir disoproxil fumarate. Refer to the tendovir disoproxil fumarate-containing product's Summary of Product Characteristics for recommendations on renal monitoring. Tenofovir disoproxil fumarate

Efavirenz/ emtricitabine/ tenofovir disoproxil fumarate	Efavirenz	↔	$\leftrightarrow$	$\leftrightarrow$	Co-administration of sofosbuvir / velpatasvir with efavirenz/ emtricitabine / tenofovir disopro
(600/ 200/ 300mg once daily)/ sofosbuvir / velpatasvir (400 / 100mg once daily)c, d	Sofosbuvir	↑1.4 (1.1, 1.7)	$\leftrightarrow$		fumarate is expected to decrease the concentration of velpatasvir. Co-administration sofosbuvir / velpatasvir with efavirenz-containing regimens is not recommended.
	Velpatasvir	↓ 0.53 (0.43, 0.64)	↓ 0.47 (0.39, 0.57)	↓ 0.43 (0.36, 0.52)	
Emtricitabine/ rilpivirine/ tenofovir disoproxil fumarate (200/ 25/	Rilpivirine	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	No dose adjustment of sofosbuvir / velpatasvir or emtricitabine / rilpivirine / tenofovir
300mg once daily)/ sofosbuvir / velpatasvir (400/ 100mg once daily)c, d	Sofosbuvir Velpatasvir	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	disoproxil fumarate is required.
HIV ANTIVIRAL AGENTS: HIV PROTEASE INHIBITORS				l	
Atazanavir boosted with ritonavir (300 / 100mg once daily) + emtricitabine / tenofovir disoproxil fumarate (200 / 300mg once	Atazanavir	$\leftrightarrow$	$\leftrightarrow$	1.4 (1.2, 1.6)	No dose adjustment of sofosbuvir / velpatasvir, atazanavir (ritonavir boosted) or emtricitabine/ tenofovir disoproxil fumarate is required.
daily)/ sofosbuvir / velpatasvir (400 / 100mg once daily)c, d	Ritonavir	$\leftrightarrow$		1.3 (1.5, 1.4)	
	Sofosbuvir Velpatasvir	→ ↑ 1.6		↑ 4.0	
	Darunavir	(1.4, 1.7)	(2.2, 2.6)	(3.6, 4.5)	
Darunavir boosted with ritonavir (800 / 100mg once daily) + emtricitabine / tenofovir disoproxil fumarate (200/ 300mg once	Ritonavir	↔	<b>↔</b>	$\leftrightarrow$	No dose adjustment of sofosbuvir / velpatasvir, darunavir (ritonavir boosted) or emtricitabin / tenofovir disoproxil fumarate is required.
daily) / sofosbuvir / velpatasvir (400 / 100mg once daily)c, d	Sofosbuvir	↓ 0.62	↓ 0.72		
	Velpatasvir	(0.54, 0.71) ↓ 0.76 (0.65, 0.89)	(0.66, 0.80)	↔	
Lopinavir boosted with ritonavir (4 x 200mg/ 50mg once daily) +	Lopinavir	↔	$\leftrightarrow$	$\leftrightarrow$	No dose adjustment of sofosbuvir / velpatasvir, lopinavir (ritonavir boosted) or emtricita
emtricitabine / tenofovir disoproxil fumarate (200 / 300mg once daily) / sofosbuvir / velpatasvir (400 / 100mg once daily)c, d	Ritonavir	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	tenofovir disoproxil fumarate is required.
daily) / 3010354411 / velpatas411 (400 / 10011g office daily)c, d	Sofosbuvir	↓ 0.59 (0.49, 0.71)	↓ 0.7 (0.6, 0.8)		
	Velpatasvir	↓ 0.70 (0.59, 0.83)	$\leftrightarrow$	↑1.6 (1.4, 1.9)	
HIV ANTIVIRAL AGENTS: INTEGRASE INHIBITORS	Raltegravir		$\leftrightarrow$	0.70	
Raltegravir (400mg twice daily)g + emtricitabine / tenofovir disoproxil fumarate (200 / 300mg once daily)/ sofosbuvir / velpatasvir (400 / 100mg once daily)c, d	Sofosbuvir	↔	↔	↓ 0.79 (0.42, 1.5)	No dose adjustment of sofosbuvir / velpatasvir, raltegravir or emtricitabine / tenofovir disoproxil fumarate is required.
	Velpatasvir	$\leftrightarrow$	↔	$\leftrightarrow$	•
Elvitegravir/ cobicistat/ emtricitabine/ tenofovir alafenamide	Elvitegravir	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	No dose adjustment of sofosbuvir / velpatasvir or elvitegravir / cobicistat / emtricitabine /
fumarate (150 / 150 / 200 / 10mg once daily)/ sofosbuvir / velpatasvir (400 / 100mg once daily)c, d	Cobicistat	↔	↔	1.7, 2.5)	tenofovir alafenamide fumarate is required.
	Tenofovir alafenamide	$\leftrightarrow$	$\leftrightarrow$		
	Sofosbuvir	$\leftrightarrow$	1.4 (1.2, 1.5)		
	Velpatasvir	1.3 (1.2, 1.5)	↑ 1.5 (1.4, 1.7)	1.6 (1.4, 1.8)	
Elvitegravir/ cobicistat/ emtricitabine/ tenofovir disoproxil	Elvitegravir	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	No dose adjustment of sofosbuvir / velpatasvir or elvitegravir/ cobicistat / emtricitabine /
fumarate (150/ 150/ 200/ 300mg once daily)/ sofosbuvir / velpatasvir (400 / 100mg once daily)c, d	Cobicistat	$\leftrightarrow$	$\leftrightarrow$	1.7 (1.5, 1.9)	tenofovir disoproxil fumarate is required.
	Sofosbuvir Velpatasvir	↔	↔	↑1.4 (1.0.4.5)	
Dolutegravir (50mg once daily) / sofosbuvir / velpatasvir	Dolutegravir	$\leftrightarrow$	$\leftrightarrow$	(1.2, 1.5)	No dose adjustment of sofosbuvir / velpatasvir or dolutegravir is required.
(400 / 100mg once daily)	Sofosbuvir Velpatasvir	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$	
HERBAL SUPPLEMENTS	1 voipataovii				
St. John's wort (Induction of P-gp and CYPs)	Interaction r Expected: ↓	ot studied. Sofosbuvir	Velpatasvir		Sofosbuvir / velpatasvir is contraindicated with St. John's wort.
HMG-CoA REDUCTASE INHIBITORS					
Atorvastatin (40mg single dose) + sofosbuvir / velpatasvir (400 / 100mg once daily)d	Observed: Atorvastatin	↑ 1.7 (1.5, 1.9)	1.5 (1.5, 1.6)		No dose adjustment of sofosbuvir / velpatasvir or atorvastatin is required.
Rosuvastatin		nly studied wi → Sofosbuvir	th velpatasvir		Co-administration of sofosbuvir / velpatasvir with rosuvastatin increases the concentration of rosuvastatin, which is associated with increased risk of myopathy, including
Rosuvastatin (10mg single dose) / velpatasvir (100mg once dailvid	Expected: - Sofosbuvir   Classifier   Sofosbuvir   Classifier   Clas		or rosuvastatin, which is associated with increased risk or myopathy, including rhabdomyolysis. Rosuvastatin, at a dose that does not exceed 10mg, may be administered with sofosbuvir / velpatasvir.		
(Inhibition of OATP1B and BCRP)	Effect on ve		ir exposure not studied		
Pravastatin	Interaction o	nly studied wi → Sofosbuvir			No dose adjustment of sofosbuvir / velpatasvir or pravastatin is required.
Pravastatin (40mg single dose) / velpatasvir (100mg once daily)d	Observed: Pravastatin	1.3 (1.1, 1.5)	1.4 (1.2, 1.5)		
(Inhibition of OATP1B)	Effect on velpatasvir exposure not studied  Expected: ↔ Velpatasvir				
Other statins	Expected:	, roipaidavii	· .		Interactions cannot be excluded with other HMG-CoA reductase inhibitors.Wh co-administered with sofosbuvir / velpatasvir , careful monitoring for statin adverse reactio
NARCOTIC ANALGESICS	i oldulis				should be undertaken and a reduced dose of statins should be considered if require
Methadone (Methadone maintenance therapy [30 to 130mg	R-methadon	el ↔	$\leftrightarrow$	$\leftrightarrow$	No dose adjustment of sofosbuvir / velpatasvir or methadone is required.
daily]) / sofosbuvir (400mg once daily)d	S-methadon Sofosbuvir		↔ ↑ 1,3	<b>↔</b>	The accessional relation solution in a repart of the tribution is required.
Methadone		only studied wi	(1.0, 1.7)		
	Expected:	→ Velpatasvir			
IMMUNOSUPPRESSANTS Cyclosporin	Cyclosporin	$\leftrightarrow$	$\leftrightarrow$		No dose adjustment of sofosbuvir / velpatasvir or cyclosporin is required at initiation
(600mg single dose) / sofosbuvir (400mg single dose)f	Sofosbuvir	↑ 2.5 (1.9, 3.5)	↑ 4.5 (3.3, 6.3)		No dose adjustment of sofosbuvir / velpatasvir or cyclosporin is required at initiation co-administration. Afterwards, close monitoring and potential dose adjustment of cyclospo may be required.
yclosporin 00mg single dose)f / velpatasvir (100mg single dose)d	Cyclosporin	↔	↓ 0.88 (0.78, 1.0)		
fooding angle good) is selbarassii (1001119 siiidle good)a	Velpatasvir	↑1.6	↑ 2.0		
		[ (1.2, 2.0)]	(1.5, 2.7)		

Tacrollimus (5mg single dose)f / sofosbuvir (400mg single dose)d		0.73 0.59, 0.90)	↑1.1 (0.84, 1.4)		No dose adjustment of sofosbuvir / velpatasvir or tacrolimus is required at initiation co-administration. Afterwards, close monitoring and potential dose adjustment of tacrolim		
		0.97 (0.65, 1.4)	↑ 1.1 (0.81, 1.6	)	may be required.		
Tacrolimus	Effect on velpatasvir exposure not studied. Expected: ↔ Velpatasvir			ed.			
ORAL CONTRACEPTIVES							
Vorgestimate / ethinyl estradiol (norgestimate 0.180mg / 0.215mg/ 0.25 mg/ ethinyl estradiol 0.025 mg) / sofosbuvir 400mg once daily)d	Norel-gestromin	1 ↔	$\leftrightarrow$	$\leftrightarrow$	No dose adjustment of oral contraceptives is required.		
	Norgestrel	$\leftrightarrow$	1.2 (0.98, 1.5)	1.2 (1.0, 1.5)			
	Ethinyl estradio	↔	$\leftrightarrow$	$\leftrightarrow$			
0.215mg / 0.25mg / ethinyl estradiol 0.025mg) / velpatasvir	Norel-gestromin	1 ↔	$\leftrightarrow$	$\leftrightarrow$			
	Norgestrel	$\leftrightarrow$	$\leftrightarrow$	$\leftrightarrow$			
	Ethinyl estradio	1 1.4 (1.2, 1.7)	$\leftrightarrow$	↓ 0.83 (0.65, 1.1)			

a. Mean ratio (90% CI) of co-administered drug pharmacokinetics of study medicinal products alone or in combination. No effect = 1.00. b. All interaction studies conducted in healthy volunteers. c. Administered as sofosbuvir / velpatasvir. d. Lack of pharmacokinetics interaction bounds 70-143%. e. These are medicinal products within class where similar interactions could be predicted.

a. Mean ratio (90% CI) of co-administered drug pharmacokinetics of study medicinal products alone or in combination. No effect = 1.00. b. All interaction studies conducted in healthy volunteers.
c. Administered as sofosburir / helpatasvir.
d. Lack of pharmacokinetics interaction bounds 70-1439.
g. Lack of pharmacokinetics interaction bounds 50-200%
FERTILITY, PEGNANCY AND LACTATION: Fortility: No human data on the effect of sofosburir / helpatasvir on fertility are available. Animal studies do not indicate harmful effects of sofosburir or velpatasvir on fertility. If inbavirin is co-administered with sofosburir / velpatasvir in effect of sofosburir / helpatasvir on fertility are available. Animal studies do not indicate harmful effects of sofosburir / velpatasvir on fertility are available. Animal studies on ont indicate harmful effects of sofosburir / velpatasvir on fertility are available. Animal studies on ont indicate harmful effects of sofosburir / velpatasvir or velpatasvir on fertility are available. Animal studies on ont indicate harmful effects of sofosburir / velpatasvir in represent women. Sofosburir Animal studies do not indicate harmful effects of sofosburir / velpatasvir in represent women. Sofosburir / velpatasvir in a retraitive to the exposure in human man and velocity. As a precautionary measure, sofosburir / velpatasvir in or representation of velpatasvir and metabolities of sofosburir in milk. A risk to the newborns/infants cannot be excluded. Therefore, sofosburir / velpatasvir should not be used during breast-feeding. newborns/infants cannot be excluded. Therefore, sofosbuvi EFFECTS ON ABILITY TO DRIVE AND USE MACHINES:

EFFECTS ON ABILITY TO RRIVE AND USE MACHINES:

Sofosburi / velapatasvir has no rengligible influence on the ability to drive and use machines,

UNDSSIRABLE EFFECTS: In clinical studies, headache, fatigue and nausea were the most common (incidence ≥ 10%) treatment emergent adverse events reported in patients treated with 12 weeks of sofosburi /

velapatasvir. These and other adverse events were reported at a similar frequency in placebo treated patients compared with sofosburir / velapatasvir treated patients in the Phase 3 pivotal clinical studies.

Tabulated summary of adverse reactions: Assessment of adverse reactions for sofosburir / velapatasvir is based on safety data from clinical studies and postmarketing experience. All adverse reactions are presented

Frequency	Adverse drug reaction
Skin and subcutaneous tissue disorders:	
Common	rash
Uncommon	angioedema

Adverse reaction identified through post-marketing surveillance for sofosbuvir / velpatasvir-containing products

Adverse reaction identified through post-marketing surveillance for sofosbuvir / velpatasvir-containing products

Patients with decompensated cirrhosis: The safety profile of sofosbuvir / velpatasvir has been evaluated in one open-label study in which patients with CPT Class B cirrhosis received sofosbuvir / velpatasvir for 12 weeks (n = 90), sofosbuvir / velpatasvir + RBV for 12 weeks (n = 87) or sofosbuvir / velpatasvir for 24 weeks (n = 90). The adverse events lossered were consistent with expected clinical sequelae of decompensated liver disease, or the known toxicity profile of ribavirin for patients receiving sofosbuvir / velpatasvir in combination with ribavirin, among the 87 patients who were treated with sofosbuvir / velpatasvir + RBV for 12 weeks due to adverse events. Patients with renal impairment: The safety of sofosbuvir / velpatasvir has been evaluated in a 12-week non-controlled study including 59 subjects with ESRD requiring dialysis, in this limited clinical safety data set, the rate of adverse events and deaths was not clearly elevated must is expected in ESRD patients. Description of selected adverse reactions: of cardiac arrhythmias: Cases of severe bradycardia and heart block have been observed when sofosbuvir-containing regimens are used in combination with amiodarone and/or other medicinal products that lower heart rate.

\*\*OVERDOSE:\*\* The highest documented doses of sofosbuvir and velpatasvir were a single dose of 1,200mg and a single dose of 500mg, respectively. The effects of higher doses/exposures are not known. No specific antidote is available for overdose with sofosbuvir and velpatasvir. Velpatasvir, overdose occurs the patient Insulted the monitored for evidence of toxicity. Treatment of overdose with sofosbuvir, velpatasvir, overdose occurs the patient Insulted to monitoring of vital signs, as well as observation of the clinical status of the patient. Haemodolisys is can efficiently remove the predominant circulating metabolite of sofosbuvir, with an extraction ratio of 5%. Haem

PHARMACOLOGICAL PROPERTIES
PHARMACODVANAIC PROPERTIES: Therapeutic classification: Direct acting antiviral, ATC code: J05AP55
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MECHANISM OF ACTION: Solosbuvir is a para-genotypic inhibitor of the HCV NS5B RNA-dependent RNA polymerase, which is essential for viral replication, Sofosbuvir is a nucleotide prodrug that undergoes intracellular metabolism to form the pharmacologically active undine analogue triphosphate (GS-461203), which can be incorporated into HCV RNA by the NS5B polymerase and acts as a chain terminator. GS-461203 (the active metabolise of sofosbuvir is neither an inhibitor of human DNA and RNA polymerases nor an inhibitor of mitochondrial RNA polymerases. Velpatasvir is a HCV inhibitor targeting the HCV NSSB protein, which is essential for both RNA replication and the assembly of HCV virions. In-virion resistance selection and cross-resistance sudies lack eyelapsivir incapets NSSA as its mode of action. Elderly: Clinical studies of sofosbuvir / velpatasvir included 156 patients aged 65 and over (12% of total number of patients in the Phase 3 clinical studies). The response rates observed for patients ≥ 65 years of age were similar to that of patients < 65 years of age were similar to that of patients < 65 years of age. Accross treatment or roots.

for both RNA replication and the assembly of HCV virions, In-vitor resistance selection and cross-resistance studies indicate velopatasvir tangets NSSA as its mode of action, Elderly: Clinical studies of sofosbuvir / replatasvir included 156 patients aged 65 and over (12% of total number of patients in the Phase 3 clinical studies). The response rates observed for patients = 65 years of age across treatment groups.

PHARMACONIETIC PROPERTIES: Absorption: The pharmacokinetic properties of sofosbuvir, GS-331007 and velopatasvir have been evaluated in healthy adult subjects and in patients with chronic hepatitis C, Following oral administration of sofosburir / velopatasvir was absorbed quickly and the peak median plasma concentration was observed 1 hour post-dose. Median peak plasma concentration or GS-331007.

PHARMACONETIC PROPERTIES: Absorption: The pharmacokinetic properties of sofosburyir, GS-331007 and velopatasvir have been evaluated in healthy adult subjects and in patients with the administration of a single dose of sofosburyir velopatasvir with a moderate fat (-600 kcal. 30% fat) or high fat (-600

STABILITY

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# 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. Store in the original package in order to protect from moisture.

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

(سوفوسبور+ويليا ٹسور) خوراک: ڈاکٹر کی ہدایت کےمطابق استعال کریں۔صرف رجٹر ڈڈاکٹر کے نینجے کےمطابق فروخت کریں۔ بچوں کی بڑنچ سے دورر کھیں ۔ دوا کو دھوب، گرمی اورنمی ہے محفوظ ۱۵ سے ۳۰ ڈگری سنٹی گریڈ کے درمیان میں رکھیں ۔ ور نہ دواخراب ہو جائیگی۔ دواکوئی ہے محفوظ رکھنے کے لیے اسکی اصل پیکنگ میں رکھیں۔

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