

## **HEPATITIS C AGENTS**

**Epclusa** (sofosbuvir & velpatasvir), **Harvoni** (ledipasvir & sofosbuvir), **Mavyret** (glecaprevir and pibrentasvir), **Sovaldi** (sofosbuvir), **Vosevi** (sofosbuvir, velpatasvir, & voxilaprevir), Zepatier (elbasvir, grazoprevir)

Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

## **Pre - PA Allowance**

None

# **Prior-Approval Requirements**

### Diagnosis

Patient must have the following:

1. Hepatitis C

### **AND ONE** of the following:

- a. Required documented viral load (HCV RNA) at least 6 months prior to request for treatment
- b. Patient has a poor prognosis and treatment cannot be delayed
- c. Past history of hepatitis C infection is evident or suspected

#### AND ALL of the following:

- a. Presence of viral load (HCV RNA) in the serum prior to treatment
- b. If the patient has a history of hepatitis B (HBV) infection
  - i. Prescriber agrees to monitor for HBV reactivation

**AND** the following for each listed medication:

#### <u>Epclusa</u>

- 1. 3 years of age and older
- 2. Genotype 1, 2, 3, 4, 5, or 6

- 1. Treatment naïve
  - a. With or without cirrhosis
    - i. If decompensated cirrhosis must be used in combination with ribavirin, <u>unless ribavirin ineligible</u>
- 2. Treatment experienced with peginterferon alfa/ribavirin with or without an HCV



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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

NS3/4A protease inhibitor (boceprevir, simeprevir or telaprevir)

- a. With or without cirrhosis
  - i. If decompensated cirrhosis must be used in combination with ribavirin, <u>unless ribavirin ineligible</u>
- 3. Treatment experienced with sofosbuvir or an NS5A inhibitor <sup>(9)</sup> (see Appendix 1)
  - a. Decompensated cirrhosis
- 4. Post liver transplant <sup>(10)</sup>
  - a. Treatment naïve or treatment experienced
  - b. With or without cirrhosis
    - i. If decompensated cirrhosis must be used in combination with ribavirin
- 5. Post kidney transplant <sup>(11)</sup>
  - a. NO decompensated cirrhosis

### AND ALL of the following if combined with ribavirin therapy:

- 1. NO significant or unstable cardiac disease
- 2. Females of reproductive potential **only**: pregnancy will be excluded before start of treatment, and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose
- 3. Males with female partners of reproductive potential **only**: pregnancy will be excluded before start of treatment and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose

#### <u>Harvoni</u>

1. 3 years of age and older

- 1. <u>Genotype 1</u> with **ONE** of the following:
  - a. Treatment naïve without cirrhosis
    - i. If pretreatment HCV RNA is less than 6 million IU/mL, prescriber must agree to draw week 4 HCV RNA level
  - b. Treatment naïve with cirrhosis
    - i. Compensated or decompensated cirrhosis
    - ii. If decompensated cirrhosis, must be used in combination with ribavirin
  - c. Treatment experienced with peginterferon +/- ribavirin with or without an



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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

NS3/4A protease inhibitor (boceprevir, simeprevir, or telaprevir)

- i. With or without cirrhosis
- ii. If decompensated cirrhosis, must be used in combination with ribavirin
- 2. <u>Genotype 4, 5 or 6</u>:
  - Treatment naïve or treatment experienced with peginterferon +/- ribavirin with or without an NS3/4A protease inhibitor (boceprevir, simeprevir, or telaprevir)
  - b. NO decompensated cirrhosis
- 3. Post liver transplant (10)
  - a. Genotype 1, 4, 5 or 6
  - b. Treatment naïve or experienced
  - c. With or without cirrhosis
    - i. If decompensated cirrhosis must be used in combination with ribavirin
- 4. Post kidney transplant <sup>(11)</sup>
  - a. Genotype 1, 4, 5 or 6
  - b. Treatment naïve or experienced
  - c. NO decompensated cirrhosis

#### AND ALL of the following if combined with ribavirin therapy:

- 1. **NO** significant or unstable cardiac disease
- 2. Females of reproductive potential **only**: pregnancy will be excluded before start of treatment, and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose
- 3. Males with female partners of reproductive potential **only**: pregnancy will be excluded before start of treatment and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose

#### <u>Mavyret</u>

- 1. 3 years of age and older
- 2. NO moderate or severe hepatic impairment (Child-Pugh Class B or C)
- 3. NO decompensated cirrhosis



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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

- 1. Treatment naïve
  - a. Genotype 1, 2, 3, 4, 5, 6 or unknown
- 2. Treatment experienced and **ONE** of the following:
  - a. Previously treated with peginterferon, ribavirin and an NS5A inhibitor, without prior treatment with an NS3/4A protease inhibitor (see Appendix 1)
    - i. Genotype 1
  - b. Previously treated with peginterferon, ribavirin and an NS3/4A protease inhibitor, without prior treatment with an NS5A inhibitor (see Appendix 1)
     i. Genotype 1
  - c. Previously treated with peginterferon and ribavirin with or without sofosbuvir, without prior treatment with an NS3/4A protease inhibitor or NS5A inhibitor (see Appendix 1)
    - i. Genotype 1, 2, 3, 4, 5 or 6
- 3. Post kidney/liver transplant
  - a. Genotype 1, 2, 3, 4, 5 or 6

## <u>Sovaldi</u>

- 1. Genotype 1 or 4
  - a. 18 years of age and older
  - b. Treatment naïve
  - c. NO decompensated cirrhosis
  - d. Used in combination with peginterferon and ribavirin
    - i. **Genotype 1**: Sovaldi can be used alone <u>if ineligible</u> for interferonbased regimen
- 2. Genotype 2 or 3
  - a. 3 years of age and older
  - b. Treatment naive or treatment experienced with peginterferon +/- ribavirin
  - c. NO decompensated cirrhosis
  - d. Used in combination with ribavirin
- 3. Hepatocellular carcinoma
  - a. 18 years of age and older
  - b. Genotype 1, 2, 3 or 4



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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

- c. Awaiting liver transplantation
- d. Used in combination with ribavirin

### AND ALL of the following if combined with ribavirin therapy:

- 1. NO significant or unstable cardiac disease
- 2. Females of reproductive potential **only**: pregnancy will be excluded before start of treatment, and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose
- 3. Males with female partners of reproductive potential **only**: pregnancy will be excluded before start of treatment and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose

## <u>Vosevi</u>

- 1. 18 years of age and older
- 2. Genotype 1, 2, 3, 4, 5 or 6
- 3. **NO** decompensated cirrhosis

#### **AND ONE** of the following:

- 1. Treatment experienced with **ONE** of the following:
  - a. Previously treated with an NS5A inhibitor (see Appendix 1)
  - b. Previously treated with a sofosbuvir-based regimen<sup>(9)</sup>
    - i. **Genotype 3:** if compensated cirrhosis, must be used in combination with ribavirin <u>unless ribavirin ineligible</u>
- 2. Post liver/kidney transplant (10,11)
  - a. Previously treated with a Direct Acting Antiviral (DAA) (see Appendix 1)

#### AND ALL of the following if combined with ribavirin therapy:

- 1. NO significant or unstable cardiac disease
- 2. Females of reproductive potential **only**: pregnancy will be excluded before start of treatment, and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose
- 3. Males with female partners of reproductive potential **only**: pregnancy will be excluded before start of treatment and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose



## **HEPATITIS C AGENTS**

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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

#### Zepatier

- 1. 12 years of age and older **OR** weighing at least 30 kg
- 2. NO moderate or severe hepatic impairment (Child-Pugh Class B or C)
- 3. NO liver transplant or waiting for a liver transplant
- 4. NO decompensated cirrhosis
- 5. Patient **MUST** have a contraindication to at least **TWO** of the preferred products (Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi)

**AND ONE** of the following:

- 1. Treatment naïve:
  - a. Genotype 1a, 1b or 4
    - i. **Genotype 1a**: must be tested for NS5A resistance-associated polymorphisms. If positive, must be used in combination with ribavirin
- 2. Treatment experienced with peginterferon and ribavirin
  - a. Genotype 1a, 1b or 4
    - i. **Genotype 1a**: must be tested for NS5A resistance-associated polymorphisms. If positive, must be used in combination with ribavirin
    - ii. Genotype 4: must be used in combination with ribavirin
- 3. Treatment experienced with peginterferon, ribavirin and an NS3/4A protease inhibitor (boceprevir, simeprevir, or telaprevir)
  - a. Genotype 1a or 1b
  - b. Must be used in combination with ribavirin

#### AND ALL of the following if combined with ribavirin therapy:

- 1. **NO** significant or unstable cardiac disease
- 2. Females of reproductive potential **only**: pregnancy will be excluded before start of treatment, and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose
- 3. Males with female partners of reproductive potential **only**: pregnancy will be excluded before start of treatment and patient will be advised to use effective contraception during treatment with ribavirin and for 6 months after the final dose



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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

# **Prior - Approval Limits**

EPCLUSA Treatment Duration				
HCV	Patien	t Population	Trea	tment Regimen
Genotype			a	nd Duration
	Treatment naïve <u>or</u> Treatment experience NS3/4A PI NO decompensated c	d with <b>Peg-INF/RBV</b> +/-	Epclus	a 12 weeks
1, 2, 3, 4, 5, 6	NS3/4A PI	d with <b>Peg-INF/RBV</b> +/-	weeks <u>or</u>	a + RBV 12
	Decompensated cirrl	nosis		a 24 weeks, <b>if</b> neligible <sup>(12)</sup>
	Treatment experienced with <b>sofosbuvir</b> or <b>NS5A inhibitor</b> <sup>(9)</sup>			a + RBV 24
	Decompensated cirrl			
	Post kidney <sup>(11)</sup> transpl		Epclus	a 12 weeks
	NO decompensated cirrhosis			
	Post liver <sup>(10)</sup> transplant		Epclus	a 12 weeks
	NO decompensated cirrhosis			
	Post liver <sup>(10)</sup> transplant		•	a + RBV 12
	Treatment naïve		weeks	
	Decompensated cirrl	nosis		
	Post liver <sup>(10)</sup> transplan	t		a + RBV 24
	Treatment experience		weeks	
	Decompensated cirrhosis			
EPCLUSA Dosing				
Ag	e/Weight	EPCLUSA Strength		Quantity per day
Age 18+		400 mg/100 mg tablet		1/day
Age 3-17 and v	veight 30kg or greater	400 mg/100 mg tablet <u>or</u>		1/day <u>or</u>
		200 mg/50 mg tablet		2/day <u>or</u>
		200 mg/50 mg packet of pel	lets	2/day
Age 3-17 and v	veight 17kg to < 30kg	200 mg/50 mg tablet or		1/day <u>or</u>



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	200 mg/50 mg packet of pellets	1/day
Age 3-17 and weight <17kg	150 mg/37.5 mg packet of pellets	1/day

HARVONI Treatment Duration			
HCV Genotype	Patient Population	Treatment Regimen and Duration	
	Treatment naïve <b>NO</b> cirrhosis Pretreatment HCV RNA < than 6 million IU/ML	Harvoni 8 weeks, <i>Must repeat viral</i> <i>load testing at</i> <i>week 4</i>	
	Treatment naïve <b>NO</b> cirrhosis Pretreatment HCV RNA > than 6 million IU/ML	Harvoni 12 weeks	
	Treatment naïve <b>Compensated</b> cirrhosis	Harvoni 12 weeks	
1	Treatment naïve <u>or</u> Treatment experienced with <b>Peg-INF</b> +/- <b>RBV</b> and +/- <b>NS3/4A PI</b>	Harvoni + RBV 12 weeks	
	Decompensated cirrhosis Treatment experienced with Peg-INF +/- RBV and +/- NS3/4A PI NO cirrhosis	Harvoni 12 weeks	
	Treatment experienced with <b>Peg-INF</b> +/- <b>RBV</b> and +/- <b>NS3/4A PI</b>	Harvoni 24 weeks <u>or</u>	
	Compensated cirrhosis	Harvoni + RBV 12 weeks <i>if RBV eligible</i>	
4, 5, 6	Treatment naïve <u>or</u> Treatment experienced with <b>Peg-INF</b> +/- <b>RBV</b> and +/- <b>NS3/4A PI</b> <b>NO</b> decompensated cirrhosis	Harvoni 12 weeks	
1, 4, 5, 6	Treatment naïve/experienced Liver transplant <b>NO</b> decompensated cirrhosis	Harvoni 12 weeks	
Liver transplant (10)	Treatment naïve Liver transplant <b>Decompensated</b> cirrhosis	Harvoni + RBV 12 weeks	
	Treatment experienced	Harvoni + RBV 24	



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	Liver transplant	weeks
	Decompensated cirrhosis	
1, 4, 5, 6	Treatment naïve/experienced	Harvoni 12 weeks
<u>Kidney</u>	Kidney transplant	
transplant <sup>(11)</sup>	NO decompensated cirrhosis	
· ·	•	

HARVONI Dosing				
Age/Weight Strength Quantity per day				
18 years old +	90/400 mg tablet	1/day		
Age 3-17 and weight 35kg or greater	90/400 mg tablet <u>or</u>	1/day <u>or</u>		
	45/200 mg packet of pellets	2/day		
Age 3-17 and weight 17kg to <35kg	45/200 mg packet of pellets	1/day		
Age 3-17 and <17kg	33.75/150 mg packet of	1/day		
	pellets			

MAVYRET Treatment Duration		
HCV Genotype	Patient Population	Treatment Regimen and Duration
1, 2, 3, 4, 5, 6 <u>or</u> unknown	Treatment naïve <b>NO</b> decompensated cirrhosis	Mavyret 8 weeks
1**	Treatment experienced with <b>Peg-INF/RBV + NS5A</b> inhibitor NO prior treatment with an NS3/4A PI NO decompensated cirrhosis	Mavyret 16 weeks**
1	Treatment experienced with <b>Peg-INF/RBV +</b> <b>NS3/4A PI</b> <b>NO</b> prior treatment with an <b>NS5A inhibitor</b> <b>NO</b> decompensated cirrhosis	Mavyret 12 weeks
1, 2, 4, 5, 6	Treatment experienced with <b>Peg-INF/RBV</b> +/- sofosbuvir NO prior treatment with NS3/4A PI or NS5A inhibitor NO cirrhosis Treatment experienced with <b>Peg-INF/RBV</b> +/- sofosbuvir	Mavyret 8 weeks Mavyret 12 weeks



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	NO prior treatment with NS3/4A PI or NS5A inhibitor Compensated cirrhosis	
3**	Treatment experienced with <b>Peg-INF/RBV</b> +/- sofosbuvir NO prior treatment with NS3/4A PI or NS5A inhibitor NO decompensated cirrhosis	Mavyret 16 weeks**
1, 2, 3, 4, 5, 6 <u>Liver / Kidney</u> <u>Transplant</u>	Liver / kidney transplant recipients NO decompensated cirrhosis	Mavyret 12 weeks or Mavyret 16 weeks, if genotype 1 or 3 treatment experienced** ** <u>Genotype 1</u> (NS5A inhibitor experienced without prior treatment with an NS3/4A protease inhibitor) ** <u>Genotype 3</u> (Peg-INF/RBV +/- sofosbuvir experienced, <u>without</u> prior treatment with NS3/4A PI or NS3/4A PI or NS5A inhibitor)

MAVYRET Dosing			
Age/Weight Strength Quantity per Day			
Age 12+	100 mg/40 mg tablet	3/day	
Age 3-12 and weight 45kg or greater***	100 mg/40 mg tablet <u>or</u>	3/day <u>or</u>	
Age 5-12 and weight 45kg of greater	50 mg/20 mg packet of pellets	6/day	
Age 3-12 and weight 30kg to <45kg	50 mg/20 mg packet of pellets	5/day	



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Age 3-12 and weight 20kg to <30kg	50 mg/20 mg packet of pellets	4/day	
Age 3-12 and <20kg 50 mg/20 mg packet of pellets 3/day			
***Pediatric patients weighing 45 kg and greater who are unable to swallow tablets may take			
six 50 mg/20 mg packets of oral pellets once daily. Dosing with oral pellets has not been			
studied for pediatric patients weighing greater than 45 kg.			

SOVALDI Treatment Duration			
HCV Genotype	Patient Population	Treatment Regimen and Duration	
1 <u>Age 18+ only</u>	Treatment naïve	Sovaldi + Peg-INF + RBV 12 weeks <u>or</u> Sovaldi + RBV 24 weeks, <i>if</i> <u>interferon</u> ineligible	
2 <u>Age 3+</u>	Treatment naïve <u>or</u> Treatment experienced with <b>Peg-INF</b> <b>+/- RBV</b>	Sovaldi + RBV 12 weeks	
3 <u>Age 3+</u>	Treatment naïve <u>or</u> Treatment experienced with <b>Peg-INF</b> +/- RBV	Sovaldi + RBV 24 weeks	
4 <u>Age 18+ only</u>	Treatment naïve	Sovaldi + Peg-INF + RBV 12 weeks	
1, 2, 3, 4 Age 18+ only	Hepatocellular carcinoma Awaiting liver transplantation	Sovaldi + RBV up to 48 weeks	

SOVALDI Dosing				
Age/Weight Strength Quantity per Day				
Age 18+	400 mg tablet	1/day		
Age 3-17 and weight at least 35	400 mg tablet <u>or</u>	1/day		
8 8	200 mg tablet <u>or</u>	2/day		
kg	200 mg pellets	2/day		
Age 3-17 and weight 17 to	200 mg tablet <u>or</u>	1/day		
<35kg	200 mg pellets	1/day		
Age 3-17 and weight <17 kg	150 mg pellets	1/day		

VOSEVI Treatment Duration		
HCV Genotype	Patient Population	Treatment Regimen



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		and Duration
1, 2, 3, 4, 5, 6	Treatment experienced with an NS5A inhibitor	Vosevi 12 weeks
1, 2, 3, 4, 3, 0	NO decompensated cirrhosis	
	Treatment experienced with	Vosevi 12 weeks
1, 2, 3, 4, 5, 6 <sup>(9)</sup>	sofosbuvir	
	NO decompensated cirrhosis	
	Treatment experienced with	Vosevi 12 weeks + RBV,
3 <sup>(9)</sup>	sofosbuvir	If RBV eligible
	Compensated cirrhosis	
1, 2, 3, 4, 5, 6	Treatment experienced with a DAA	Vosevi 12 weeks +/-
<u>Liver / Kidney</u>	Liver / kidney transplant	RBV
transplant (10,11)	NO decompensated cirrhosis	

VOSEVI Dosing	
Strength	Quantity per day
400 mg/100 mg/100 mg tablet	1/day

ZEPATIER Treatment Duration		
HCV	Patient Population	Treatment Regimen and
Genotype		Duration
	Treatment naïve <b>NEGATIVE</b> for NS5A polymorphism	Zepatier 12 weeks
	Treatment naïve <u>POSITIVE</u> for NS5A polymorphism	Zepatier + RBV 16 weeks
	Treatment experienced with <b>Peg-INF/RBV</b> <b>NO</b> decompensated cirrhosis <b>NEGATIVE</b> for NS5A polymorphism	Zepatier 12 weeks
1a	Treatment experienced with <b>Peg-INF/RBV POSITIVE</b> for NS5A polymorphism	Zepatier + RBV 16 weeks
	Treatment experienced with Peg-INF/RBV + NS3/4A PI	Zepatier + RBV 12 weeks
	The optimal Zepatier based treatment regimen and duration of therapy for Peg-INF/RBV +	
	NS3/4A PI experienced, genotype 1a, positive for NS5A polymorphism has not been	
	established. NS5A polymorphism testing is <u>not</u> <u>needed</u> for this patient population.	



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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

	Treatment naïve	Zepatier 12 weeks
1 <b>b</b>	Treatment experienced with Peg-INF/RBV	Zepatier 12 weeks
	Treatment experienced with Peg-INF/RBV + NS3/4A PI	Zepatier + RBV 12 weeks
4	Treatment naïve	Zepatier 12 weeks
	Treatment experienced with Peg-INF/RBV	Zepatier + RBV 16 weeks

ZEPATIER Dosing		
Strength	Quantity per day	
50 mg/100 mg tablet	1/day	

# Prior – Approval Renewal Requirements

#### <u>Harvoni Only</u>

Age 3 years of age and older

## Diagnosis

Patient must have the following:

- 1. Hepatitis C
  - a. Genotype 1
  - b. Continuation of therapy for treatment-naïve patients, without cirrhosis, pretreatment HCV RNA < 6 million IU/ml:
    - i. Evaluation of patient at 4 weeks to determine that the viral load was not met within the 8 weeks of treatment has been performed

## Prior - Approval Renewal Limits

#### Harvoni Only

HARVONI Treatment Duration		
HCV Genotype	Patient Population	Treatment Regimen and Duration
1	Treatment naïve <b>NO</b> cirrhosis	Harvoni 4 weeks (1 renewal only)



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HARVONI Dosing		
Age/Weight	Strength	Quantity per Day
Age 18+	90/400 mg tablet	1/day
Age 3-17 and weight 35kg or	90/400 mg tablet	1/day <u>or</u>
greater	45/200 mg packet of pellets	2/day
Age 3-17 and weight 17kg to <35kg	45/200 mg packet of pellets	1/day
Age 3-17 and weight <17kg	33.75/150 mg packet of pellets	1/day



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Preferred hepatitis C products: Epclusa, Harvoni, Mavyret, Sovaldi and Vosevi

## Appendix 1

Direct Acting Antivirals (DAAs)		
NS3/4A Protease Inhibitors	NS5A Inhibitors	NS5B Polymerase Inhibitors
boceprevir (Victrelis)	daclatasvir (Daklinsa)	dasabuvir non-nuclear analog <i>(component of Viekira Pak)</i>
glecaprevir	elbasvir	sofosbuvir (Sovaldi)
(component of Mavyret)	(component of Zepatier)	nuclear analog
		(component of Epclusa,
		Harvoni, Vosevi)
grazoprevir	ledipasvir	
(component of Zepatier)	(component of Harvoni)	
paritaprevir	ombitasvir	
(component of Viekira Pak	(component of Viekira Pak	
and Technivie)	and Technivie)	
simeprevir (Olysio)	pibrentasvir	
	(component of Mavyret)	
telaprevir (Incivek)	velpatasvir	
	(component of Epclusa and	
	Vosevi)	
voxilaprevir		
(component of Vosevi)		