

For the use of a Hepatologist only

# Rx Sofosbuvir Tablets IP 400 mg MyHep®

## 1. NAME OF THE MEDICAL PRODUCT

MyHep (Sofosbuvir Tablets IP 400 mg)

## 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film-coated tablet contains: Sofosbuvir IP ..... 400 mg

For the full list of excipients, see section 6.1.

## 3. PHARMACEUTICAL FORM

Peach colored, capsule shape, bicovex, beveled edge film-coated tablets debossed with "SF400" on one side of the tablet and "M" on the other side.

## 4. CLINICAL PARTICULARS

### 4.1 Therapeutic indications

Sofosbuvir 400 mg film-coated tablets is indicated in combination with other medicinal products for the treatment of chronic hepatitis C (CHC) in adults (see sections 4.2, 4.4 and 5.1). For hepatitis C virus (HCV) genotype specific activity, see sections 4.4 and 5.1.

### 4.2 Posology and method of administration

Sofosbuvir 400 mg film-coated tablets treatment should be initiated and monitored by a physician experienced in the management of patients with CHC.

### 4.3 Pharmacological properties

The recommended dose is one 400 mg tablet, taken orally, once daily with food (see section 5.2). Sofosbuvir 400 mg film-coated tablets should be used in combination with other medicinal products. Monotherapy of Sofosbuvir 400 mg film-coated tablets is not recommended (see section 5.1). Refer also to the Summary of Product Characteristics of the medicinal products that are used in combination with Sofosbuvir 400 mg film-coated tablets. The recommended co-administered medicinal product(s) and treatment duration for Sofosbuvir 400 mg film-coated tablets combination therapy are provided in Table 1.

Table 1: Recommended co-administered medicinal product(s) and treatment duration for Sofosbuvir 400 mg film-coated tablets combination therapy

Patient population*	Treatment	Duration
Sofosbuvir 400 mg film-coated tablets + ribavirin + peginterferon alfa		12 weeks <sup>a,b</sup>
Patients with genotype 1, 4, 5 or 6 CHC	Sofosbuvir 400 mg film-coated tablets + ribavirin Only for use in patients ineligible or intolerant to peginterferon alfa (see section 4.4)	24 weeks
Patients with genotype 2 CHC	Sofosbuvir 400 mg film-coated tablets + ribavirin	12 weeks <sup>b</sup>
Patients with genotype 3 CHC	Sofosbuvir 400 mg film-coated tablets + ribavirin + peginterferon alfa	12 weeks <sup>b</sup>
Patients with genotype 4 CHC	Sofosbuvir 400 mg film-coated tablets + ribavirin	24 weeks
Patients with CHC awaiting liver transplantation	Sofosbuvir 400 mg film-coated tablets + ribavirin	Until liver transplantation <sup>c</sup>

\* Includes patients co-infected with human immunodeficiency virus (HIV).

a. For previously treated patients with HCV genotype 1 infection, no data exists with the combination of Sofosbuvir 400 mg film-coated tablets, ribavirin and peginterferon alfa (see section 4.4).

b. Consideration should be given to potentially extending the duration of therapy beyond 12 weeks and up to 24 weeks, especially for those subgroups who have one or more factors historically associated with lower response rates to interferon-based therapies (e.g. advanced fibrosis/cirrhosis, high baseline viral concentrations, black race, IL28B non CC genotype, prior null response to peginterferon alfa and ribavirin therapy).

c. See Special patient populations – Patients awaiting liver transplantation below.

The dose of ribavirin, when used in combination with Sofosbuvir 400 mg film-coated tablets is weight-based (~75 kg = 1,000 mg and ≥75 kg = 1,200 mg) and administered orally in two divided doses with food.

Concerning co-administration with other direct-acting antivirals against HCV, see section 4.4.

Dose modification: Dose reduction of Sofosbuvir 400 mg film-coated tablets is not recommended.

If sofosbuvir is used in combination with peginterferon alfa, and a patient has a serious adverse reaction potentially related to this drug, the peginterferon alfa dose should be reduced or discontinued. Refer to the peginterferon alfa Summary of Product Characteristics for additional information about how to reduce and/or discontinue the peginterferon alfa dose.

If a patient has a serious adverse reaction potentially related to the ribavirin, the ribavirin dose should be modified or discontinued, if appropriate, until the adverse reaction abates or decreases in severity. The following guidelines for dose modifications and discontinuation based on the patient's haemoglobin concentration and cardiac status:

Table 2: Ribavirin dose modification guideline for co-administration with Sofosbuvir 400 mg film-coated tablets

Laboratory values	Reduce ribavirin dose to 600 mg/day if:	Discontinue ribavirin if:
Haemoglobin in subjects with no cardiac disease	<10 g/dL	<8.5 g/dL
Haemoglobin in subjects with history of stable cardiac disease	≥2 g/dL decrease in haemoglobin during any 4-week treatment period	<12 g/dL despite 4 weeks at reduced dose

Once ribavirin has been withheld due to either a laboratory abnormality or clinical manifestation, an attempt may be made to restart ribavirin at 600 mg daily and further increase the dose to 800 mg daily. However, it is not recommended that ribavirin be increased to the original assigned dose (1,000 mg to 1,200 mg daily).

Discontinuation of dosing: If the other medicinal products used in combination with Sofosbuvir 400 mg film-coated tablets are permanently discontinued, Sofosbuvir 400 mg film-coated tablets should also be discontinued (see section 4.4).

### Special patient populations

#### Elderly

No dose adjustment is warranted for elderly patients (see section 5.2).

#### Renal impairment

No dose adjustment of Sofosbuvir 400 mg film-coated tablets is required for patients with mild or moderate renal impairment. The safety and appropriate dose of Sofosbuvir 400 mg film-coated tablets have not been established in patients with severe renal impairment (estimated glomerular filtration rate [eGFR] <30 mL/min/1.73 m<sup>2</sup>) or end stage renal disease (ESRD) requiring haemodialysis (see section 5.2).

#### Hepatic impairment

No dose adjustment of Sofosbuvir 400 mg film-coated tablets is required for patients with mild, moderate or severe hepatic impairment (Child-Pugh-Turcotte [CPT] class A, B or C) (see section 5.2). The safety and efficacy of Sofosbuvir 400 mg film-coated tablets have not been established in patients with compensated cirrhosis.

#### Patients awaiting liver transplantation

The duration of administration of Sofosbuvir 400 mg film-coated tablets in patients awaiting liver transplantation should be guided by an assessment of the potential benefits and risks for the individual patient (see section 5.1).

#### Paediatric population

The safety and efficacy of Sofosbuvir 400 mg film-coated tablets in children and adolescents aged <18 years have not yet been established. No data are available.

#### Method of administration

The film-coated tablet is for oral use. Patients should be instructed to swallow the tablet whole. The film-coated tablet should not be chewed or crushed, due to the bitter taste of the active substance. The tablet should be taken with food (see section 5.2).

Patients should be instructed that if vomiting occurs within 2 hours of dosing an additional tablet should be taken. If vomiting occurs more than 2 hours after dosing, no further dose is needed. These recommendations are based on the absorption kinetics of sofosbuvir and GS-331007 suggesting that the majority of the dose is absorbed within 2 hours after dosing.

If a dose is missed and it is within 18 hours of the normal time, patients should be instructed to take the tablet as soon as possible and then patients should take the next dose at the usual time. If it is after 18 hours then patients should be instructed to wait and take the next dose at the usual time. Patients should be instructed not to take a double dose.

#### 3.5 Contraindications

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

#### 4.4 Special warnings and precautions for use

**General**  
Sofosbuvir 400 mg film-coated tablets is not recommended for administration as monotherapy and should be prescribed in combination with other medicinal products for the treatment of hepatitis C infection. If the other medicinal products used in combination with Sofosbuvir 400 mg film-coated tablets are permanently discontinued, Sofosbuvir 400 mg film-coated tablets should also be discontinued (see section 4.2). Consult the Summary of Product Characteristics for co-prescribed medicinal products before starting therapy with Sofosbuvir 400 mg film-coated tablets.

#### Severe bradycardia and heart block

Sofosbuvir when co-administered with amiodarone and another directly acting anti-HCV drug (DAA) resulted in symptomatic bradycardia. The mechanism for this effect is unknown. When amiodarone was co-administered with Sofosbuvir in combination with daclatasvir or simeprevir, cases of symptomatic bradycardia and cases requiring pacemaker intervention have been reported. In a patient who was taking amiodarone, administration of Ledipasvir/Sofosbuvir combination resulted in late cardiac arrest. Patients who are receiving beta blockers, or those with underlying cardiac comorbidities and/or advanced liver disease may be at increased risk for symptomatic bradycardia when amiodarone is co-administered with Sofosbuvir in combination with another direct acting antiviral (DAA).

Co-administration of amiodarone with Sofosbuvir in combination with another DAA is not recommended.

**Treatment-experienced patients with genotype 1, 4, 5 and 6 HCV infection.**  
Sofosbuvir 400 mg film-coated tablets has not been studied in a Phase 3 study in treatment-experienced patients with genotype 1, 4, 5 and 6 HCV infection. Thus, the optimal treatment duration in this population has not been established (see also sections 4.2 and 5.1).

Consideration should be given to treating these patients, and potentially extending the duration of therapy with sofosbuvir, peginterferon alfa and ribavirin beyond 12 weeks and up to 24 weeks, especially for those subgroups who have one or more factors historically associated with lower response rates to interferon-based therapies (advanced fibrosis/cirrhosis, high baseline viral concentrations, black race, IL28B non CC genotype).

#### Treatment of patients with genotype 5 or 6 HCV infection

The clinical data to support the use of Sofosbuvir 400 mg film-coated tablets in patients with genotype 5 and 6 HCV infection is very limited (see section 5.1).

**Interferon-free therapy for genotype 1, 4, 5 and 6 HCV infection.**  
Interferon-free regimens for patients with genotype 1, 4, 5 and 6 HCV infection with Sofosbuvir 400 mg film-coated tablets have not been investigated in Phase 3 studies (see section 5.1). The optimal regimen and treatment duration have not been established. Such regimens should only be used for patients that are intolerant to or ineligible for interferon therapy, and are in urgent need of treatment. Co-administration with other direct-acting antivirals against HCV.

Sofosbuvir 400 mg film-coated tablets should only be co-administered with other direct-acting antiviral medicinal products if the benefit is considered to outweigh the risks based upon available data. There are no data to support the co-administration of Sofosbuvir 400 mg film-coated tablets and telaprevir or boceprevir. Such co-administration is not recommended (see also section 4.5).

**Pregnancy and concomitant use with ribavirin.**  
When Sofosbuvir 400 mg film-coated tablets is used in combination with ribavirin or peginterferon alfa/ribavirin, women of childbearing potential or their male partners must use an effective form of contraception during the treatment and for a period of time after the treatment as recommended in the Summary of Product Characteristics for ribavirin. Refer to the Summary of Product Characteristics for ribavirin for additional information.

**Use with potent P-gp inducers.**  
Medicinal products that are potent P-glycoprotein (P-gp) inducers in the intestine (e.g. rifampicin, St. John's wort (*Hypericum perforatum*), carbamazepine and phenytoin) may significantly decrease sofosbuvir plasma concentration and reduce therapeutic effect of Sofosbuvir 400 mg film-coated tablets. Such medicinal products should not be used with Sofosbuvir 400 mg film-coated tablets (see section 4.5).

**Renal impairment.**  
The safety of Sofosbuvir 400 mg film-coated tablets has not been assessed in subjects with severe renal impairment (eGFR <30 mL/min/1.73 m<sup>2</sup>) or ESRD requiring haemodialysis. Furthermore, the appropriate dose has not been established. When Sofosbuvir 400 mg film-coated tablets is used in combination with ribavirin or peginterferon alfa/ribavirin, refer also to the Summary of Product Characteristics for ribavirin for patients with creatinine clearance (CrCl) <50 mL/min (see also section 5.2).

**HCV/HIV (hepatitis B virus) co-infection**  
There are no data on the use of Sofosbuvir 400 mg film-coated tablets in patients with HCV/HIV co-infection.

**Paediatric population**  
Sofosbuvir 400 mg film-coated tablets is not recommended for use in children and adolescents under 18 years of age because the safety and efficacy have not been established in this population.

**4.5 Interaction with other medicinal products and other forms of interaction**  
Sofosbuvir is a nucleotide prodrug. After oral administration of Sofosbuvir 400 mg film-coated tablets, sofosbuvir is rapidly absorbed and subject to extensive first-pass hepatic and intestinal metabolism. Intracellular hydrolytic prodrug cleavage catalysed by enzymes including carboxylesterase 1 and sequential phosphorylation steps catalysed by nucleotide kinases result in formation of the pharmacologically active uridine nucleoside analogue triphosphate. The predominant inactive circulating metabolite GS-331007 that accounts for greater than 90% of drug-related material systemic exposure is formed through pathways sequential and parallel to formation of active metabolite. The parent sofosbuvir accounts for approximately 4% of drug-related material systemic exposure (see section 5.2). In clinical pharmacology studies, both sofosbuvir and GS-331007 were monitored for purposes of pharmacokinetic analyses.

**Drug interactions**  
Sofosbuvir is a substrate of drug transporter P-gp and breast cancer resistance protein (BCRP) while GS-331007 is not. Medicinal products that are potent P-gp inducers in the intestine (e.g. rifampicin, St. John's wort, carbamazepine and phenytoin) may decrease sofosbuvir plasma concentration leading to reduced therapeutic effect of Sofosbuvir 400 mg film-coated tablets and thus should not be used with Sofosbuvir 400 mg film-coated tablets (see section 4.4). Co-administration of Sofosbuvir 400 mg film-coated tablets with medicinal products that inhibit P-gp and/or BCRP may increase sofosbuvir plasma concentration without increasing GS-331007 plasma concentration, thus Sofosbuvir 400 mg film-coated tablets may be co-administered with P-gp and/or BCRP inhibitors. Sofosbuvir and GS-331007 are not inhibitors of P-gp and BCRP and thus are not expected to increase exposures of medicinal products that are substrates of these transporters.

The intracellular metabolic activation pathway of sofosbuvir is mediated by generally low affinity and high capacity hydrolytic and nucleotide phosphorylation pathways that are unlikely to be affected by concomitant medicinal products (see section 5.2).

**Other interactions**  
Drug interaction information for Sofosbuvir 400 mg film-coated tablets with potential concomitant medicinal products is summarised in Table 3 below (when 90% confidence interval (CI) of the geometric least-squares mean (GLSM) ratio were within "-1", extended above "+1", or extended below "+1" the predetermined equivalence boundaries). The table is not all-inclusive.

### Table 3: Interactions between Sofosbuvir 400 mg film-coated tablets and other medicinal products

Medicinal product by therapeutic areas	Effects on drug levels. Mean ratio (95% confidence interval) for AUC, C <sub>max</sub> , C <sub>12h</sub> <sup>a,b</sup>	Recommendation concerning co-administration with Sofosbuvir 400 mg film-coated tablets
<b>ANAESTHETICS</b>		
Modafinil	Interaction not studied. Expected: ↓ Sofosbuvir ↓ GS-331007	Co-administration of Sofosbuvir 400 mg film-coated tablets with modafinil is expected to decrease the concentration of Sofosbuvir, leading to reduced therapeutic effect of Sofosbuvir 400 mg film-coated tablets. Such co-administration is not recommended.
<b>ANTIARRHYTHMICS</b>		
Amiodarone	Interaction not studied.	Use only if no other alternative is available. Close monitoring is recommended if this medicinal product is administered with Sofosbuvir + Daclatasvir/Simeprevir/Ledipasvir (see sections 4.4 and 4.8).
<b>ANTICONVULSANTS</b>		
Carbamazepine Phenytoin Phenobarbital Oxcarbazepine	Interaction not studied. Expected: ↓ Sofosbuvir ↓ GS-331007	Co-administration of Sofosbuvir 400 mg film-coated tablets with carbamazepine, phenytoin, phenobarbital or oxcarbazepine is expected to decrease the concentration of Sofosbuvir, leading to reduced therapeutic effect of Sofosbuvir 400 mg film-coated tablets. Such co-administration is not recommended. Sofosbuvir 400 mg film-coated tablets should not be used with carbamazepine, phenytoin, phenobarbital or oxcarbazepine, potent intestinal P-gp inducers (see section 4.4).
<b>ANTIMYCOBACTERIALS</b>		
Rifabutin Rifampicin Rifapentine	Interaction not studied. Expected: ↓ Sofosbuvir ↓ GS-331007	Co-administration of Sofosbuvir 400 mg film-coated tablets with rifabutin or rifampicin is expected to decrease the concentration of sofosbuvir, leading to reduced therapeutic effect of Sofosbuvir 400 mg film-coated tablets. Such co-administration is not recommended. Sofosbuvir 400 mg film-coated tablets should not be used with rifampicin, a potent intestinal P-gp inducer (see section 4.4).
<b>HERBAL SUPPLEMENTS</b>		
St. John's wort ( <i>Hypericum perforatum</i> )	Interaction not studied. Expected: ↓ Sofosbuvir ↓ GS-331007	Sofosbuvir 400 mg film-coated tablets should not be used with St. John's wort, a potent intestinal P-gp inducer (see section 4.4).
<b>HCV ANTIVIRAL AGENTS: HCV PROTEASE INHIBITORS</b>		
Boceprevir (BOC) Telaprevir (TPV)	Interaction not studied. Expected: ↑ Sofosbuvir (TPV) ↔ Sofosbuvir (BOC) ↔ GS-331007 (TPV or BOC)	No drug-drug interaction data exists regarding the co-administration of Sofosbuvir 400 mg film-coated tablets with boceprevir or telaprevir.
<b>NARCOTIC ANALGESICS</b>		
Methadone <sup>c</sup> (Methadone maintenance program) therapy [30 to 130 mg(daily)]	R-methadone ↔ C <sub>max</sub> 0.99 (0.85, 1.16) ↔ AUC 1.01 (0.85, 1.21) S-methadone ↔ C <sub>max</sub> 0.94 (0.77, 1.14) ↔ C <sub>12h</sub> 0.95 (0.79, 1.13) ↔ AUC 0.95 (0.77, 1.17) ↔ C <sub>12h</sub> 0.95 (0.74, 1.22)	No dose adjustment of sofosbuvir or methadone is required when sofosbuvir and methadone are used concomitantly.
Cislociporin <sup>d</sup> (600 mg single dose)	Cislociporin ↔ C <sub>max</sub> 1.06 (0.94, 1.18) ↔ AUC 0.98 (0.85, 1.14) C <sub>12h</sub> (NA) Sofosbuvir ↔ C <sub>max</sub> 2.54 (1.87, 3.45) ↔ AUC 4.53 (3.26, 6.30) C <sub>12h</sub> (NA) GS-331007 ↓ C <sub>max</sub> 0.60 (0.50, 0.69) ↔ AUC 1.04 (0.90, 1.20) C <sub>12h</sub> (NA) Sofosbuvir ↔ C <sub>max</sub> 0.95 (-0.68, 1.33) ↔ AUC 1.30 (-1.00, 1.69) C <sub>12h</sub> (NA) GS-331007 ↓ C <sub>max</sub> 0.79 (0.65, 0.83) ↔ AUC 1.04 (0.89, 1.22) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or cislociporin is required when sofosbuvir and cislociporin are used concomitantly.
Tacrolimus <sup>e</sup> (5 mg single dose)	Tacrolimus ↓ C <sub>max</sub> 0.73 (0.59, 0.90) ↔ AUC 1.09 (0.84, 1.40) C <sub>12h</sub> (NA) Sofosbuvir ↓ C <sub>max</sub> 0.97 (0.65, 1.43) ↔ AUC 1.13 (0.81, 1.57) C <sub>12h</sub> (NA) GS-331007 ↔ C <sub>max</sub> 0.97 (0.83, 1.14) ↔ AUC 1.00 (0.87, 1.13) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or tacrolimus is required when sofosbuvir and tacrolimus are used concomitantly.
<b>Medicinal product by therapeutic areas</b>	<b>Effects on drug levels. Mean ratio (95% confidence interval) for AUC, C<sub>max</sub>, C<sub>12h</sub><sup>a,b</sup></b>	<b>Recommendation concerning co-administration with Sofosbuvir 400 mg film-coated tablets</b>
<b>HIV ANTIVIRAL AGENTS: REVERSE TRANSCRIPTASE INHIBITORS</b>		

<b>Elevirens<sup>f</sup></b> (600 mg once daily) <sup>g</sup>	<b>Elevirens</b> ↔ C <sub>max</sub> 0.95 (0.85, 1.06) ↔ AUC 0.96 (0.91, 1.03) ↔ C <sub>12h</sub> 0.96 (0.93, 0.98) Sofosbuvir ↓ C <sub>max</sub> 0.81 (0.60, 1.10) ↔ AUC 0.94 (0.76, 1.16) C <sub>12h</sub> (NA) GS-331007 ↓ C <sub>max</sub> 0.77 (0.70, 0.84) ↔ AUC 0.84 (0.76, 0.92) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or elevirens is required when sofosbuvir and elevirens are used concomitantly.
<b>Emtricitabine<sup>h</sup></b> (200 mg once daily) <sup>i</sup>	<b>Emtricitabine</b> ↔ C <sub>max</sub> 0.97 (0.88, 1.07) ↔ AUC 0.99 (0.94, 1.05) ↔ C <sub>12h</sub> 1.04 (0.98, 1.11) Sofosbuvir ↓ C <sub>max</sub> 0.81 (0.60, 1.10) ↔ AUC 0.94 (0.76, 1.16) C <sub>12h</sub> (NA) GS-331007 ↓ C <sub>max</sub> 0.77 (0.70, 0.84) ↔ AUC 0.84 (0.76, 0.92) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or emtricitabine is required when sofosbuvir and emtricitabine are used concomitantly.

<b>Tenofovir disoproxil fumarate<sup>j</sup></b> (300 mg once daily) <sup>k</sup>	<b>Tenofovir</b> ↑ C <sub>max</sub> 1.25 (1.08, 1.45) ↔ AUC 0.98 (0.91, 1.05) ↔ C <sub>12h</sub> 0.99 (0.91, 1.07) Sofosbuvir ↓ C <sub>max</sub> 0.81 (0.60, 1.10) ↔ AUC 0.94 (0.76, 1.16) C <sub>12h</sub> (NA) GS-331007 ↓ C <sub>max</sub> 0.77 (0.70, 0.84) ↔ AUC 0.84 (0.76, 0.92) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or tenofovir disoproxil fumarate is required when sofosbuvir and tenofovir disoproxil fumarate are used concomitantly.
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<b>Rilpivirine<sup>l</sup></b> (25 mg once daily)	<b>Rilpivirine</b> ↔ C <sub>max</sub> 1.05 (0.97, 1.15) ↔ AUC 1.06 (1.02, 1.09) ↔ C <sub>12h</sub> 0.99 (0.94, 1.04) Sofosbuvir ↑ C <sub>max</sub> 1.21 (0.90, 1.62) ↔ AUC 0.99 (0.94, 1.27) C <sub>12h</sub> (NA) GS-331007 ↔ C <sub>max</sub> 1.06 (0.99, 1.14) ↔ AUC 1.01 (0.97, 1.04) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or rilpivirine is required when sofosbuvir and rilpivirine are used concomitantly.
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<b>HIV ANTIVIRAL AGENTS: HIV PROTEASE INHIBITORS</b>		
<b>Darunavir boosted with ritonavir<sup>m</sup></b> (800/100 mg once daily)	<b>Darunavir</b> ↔ C <sub>max</sub> 0.97 (0.94, 1.01) ↔ AUC 0.97 (0.94, 1.00) ↔ C <sub>12h</sub> 0.86 (0.78, 0.96) Sofosbuvir ↑ C <sub>max</sub> 1.45 (1.10, 1.92) ↔ AUC 1.34 (1.12, 1.59) C <sub>12h</sub> (NA) GS-331007 ↔ C <sub>max</sub> 0.97 (0.90, 1.05) ↔ AUC 1.24 (1.16, 1.30) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or darunavir (ritonavir boosted) is required when sofosbuvir and darunavir are used concomitantly.
<b>HIV ANTIVIRAL AGENTS: INTEGRASE INHIBITORS</b>		
<b>Raltegravir<sup>n</sup></b> (400 mg twice daily)	<b>Raltegravir</b> ↓ C <sub>max</sub> 0.57 (0.44, 0.75) ↔ AUC 0.73 (0.59, 0.91) ↔ C <sub>12h</sub> 0.95 (0.81, 1.12) Sofosbuvir ↔ C <sub>max</sub> 0.87 (0.71, 1.08) ↔ AUC 0.95 (0.82, 1.09) C <sub>12h</sub> (NA) GS-331007 ↔ C <sub>max</sub> 1.09 (0.99, 1.20) ↔ AUC 1.03 (0.97, 1.08) C <sub>12h</sub> (NA)	No dose adjustment of sofosbuvir or raltegravir is required when sofosbuvir and raltegravir are used concomitantly.

<b>ORAL CONTRACEPTIVES</b>		
<b>Norgestimate/ethinyl estradiol</b>	<b>Norgestromin</b> ↔ C <sub>max</sub> 1.06 (0.93, 1.22) ↔ AUC 1.05 (0.92, 1.20) C <sub>12h</sub> (NA) <b>Norgestrel</b> ↔ C <sub>max</sub> 1.18 (0.99, 1.41) ↔ AUC 1.19 (0.96, 1.44) C <sub>12h</sub> (NA) <b>Ethinyl estradiol</b> ↔ C <sub>max</sub> 1.14 (0.96, 1.36) ↔ AUC 1.08 (0.93, 1.25) C <sub>12h</sub> (NA)	No dose adjustment of norgestimate/ethinyl estradiol is required when sofosbuvir and norgestimate/ethinyl estradiol are used concomitantly.

NA = not available/not applicable

a. Mean ratio (90% CI) of co-administered drug pharmacokinetics with/without sofosbuvir and mean ratio of sofosbuvir and GS-331007 with/without co-administered drug. No effect = 1.00

b. All interaction studies conducted in healthy volunteers

c. Comparison based on historical control

d. Administered as Atipla

e. Bioequivalence boundary 80%-125%

f. Equivalence boundary 70%-143%

g. Medicinal products that are potent P-gp inducers in the intestine (rifampicin, St. John's wort, carbamazepine and phenytoin) may significantly decrease sofosbuvir plasma concentration leading to reduced therapeutic effect. For this reason, sofosbuvir should not be co-administered with known inducers of P-gp.

h. Women of childbearing potential should use effective contraception during treatment and for a period of time after the treatment has concluded as recommended in the Summary of Product Characteristics for ribavirin. Refer to the Summary of Product Characteristics for ribavirin for additional information.

i. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with rilpivirine and ritonavir (ritonavir boosted) is ongoing.

j. Women of childbearing potential should use effective contraception during treatment and for a period of time after the treatment has concluded as recommended in the Summary of Product Characteristics for ribavirin. Refer to the Summary of Product Characteristics for ribavirin for additional information.

k. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with tenofovir disoproxil fumarate is ongoing.

l. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with rilpivirine is ongoing.

m. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with darunavir (ritonavir boosted) is ongoing.

n. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with raltegravir is ongoing.

o. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with norgestimate/ethinyl estradiol is ongoing.

p. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with norgestrel is ongoing.

q. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with ethinyl estradiol is ongoing.

r. Assessment of safety and efficacy of Sofosbuvir 400 mg film-coated tablets in combination with ethinyl estradiol is ongoing.



