

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use **EMTRICITABINE AND TENOFIVIR DISPROXIL FUMARATE TABLETS** safely and effectively. See full prescribing information for **EMTRICITABINE AND TENOFIVIR DISPROXIL FUMARATE TABLETS** for complete information.

EMTRICITABINE AND TENOFIVIR DISPROXIL FUMARATE TABLETS, for oral use

Initial U.S. Approval: 2004

WARNING: POSTTREATMENT ACUTE EXACERBATION OF HEPATITIS B AND RISK OF DRUG RESISTANCE WITH USE OF EMTRICITABINE AND TENOFIVIR DISPROXIL FUMARATE TABLETS FOR HIV PRE-EXPOSURE PROPHYLAXIS (PrEP) IN UNDIAGNOSED EARLY HIV-1 INFECTION

See full prescribing information for complete boxed warning.

Severe acute exacerbation of hepatitis B (HBV) has been reported in HIV-infected individuals who have discontinued emtricitabine and tenofovir disoproxil fumarate. Hepatic function should be monitored closely in these individuals who discontinue emtricitabine and tenofovir disoproxil fumarate. If appropriate, anti-hepatitis B therapy may be warranted. (5.1)

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP must only be prescribed to individuals confirmed to be HIV-negative immediately prior to initiating and at least every 3 months during use. Drug-resistant HIV-1 variants have been identified with the use of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP following undetected acute HIV-1 infection. Do not initiate emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP if signs or symptoms of acute HIV infection are present unless negative infection status is confirmed. (see Warnings and Precautions (5.2))

INDICATIONS AND USAGE

Emtricitabine and tenofovir disoproxil fumarate tablets are a two-drug combination of emtricitabine (FTC) and tenofovir disoproxil fumarate (TDF), both HIV-1 nucleoside analog reverse transcriptase inhibitors, and is indicated:

- in combination with other antiretroviral agents for the treatment of HIV-1 infection in adults and pediatric patients weighing at least 17 kg;
- HIV-1 PrEP (1.2).

Emtricitabine and tenofovir disoproxil fumarate tablets are indicated in at-risk adults and adolescents weighing at least 35 kg for pre-exposure prophylaxis (PrEP) to reduce the risk of sexually acquired HIV-1 infection. Individuals must have a negative HIV-1 test immediately prior to initiating emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP.

Testing: Prior to or when initiating emtricitabine and tenofovir disoproxil fumarate test for hepatitis B virus infection. Prior to initiation and during use of emtricitabine and tenofovir disoproxil fumarate, on a clinically appropriate schedule, assess serum creatinine, estimated creatinine clearance, urine glucose, and urine protein in all individuals. In individuals with chronic kidney disease, also assess serum phosphorus. (2.1)

HIV-1 Screening: Screen all individuals for HIV-1 infection immediately prior to initiating emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP and at least once every 3 months while taking emtricitabine and tenofovir disoproxil fumarate, and upon diagnosis of any other sexually transmitted infections (STIs). (2.2)

Recommended Dosage for Treatment of HIV-1 Infection in Adults and Pediatric Patients Weighing at Least 35 kg

- Recommended Dosage for Treatment of HIV-1 Infection in Pediatric Patients Weighing at Least 17 kg and Adults: Take one tablet (containing 200 mg of FTC and 300 mg of TDF) once daily taken orally with or without food. (2.3)
- Recommended dosage in pediatric patients weighing at least 17 kg: One emtricitabine and tenofovir disoproxil fumarate tablet (100 mg/150 mg, 133 mg/200 mg, or 167 mg/250 mg based on body weight) once daily taken orally with or without food. (2.4)
- Recommended dosage in newly initiated HIV-1 infected adult patients: Take one emtricitabine and tenofovir disoproxil fumarate tablet every 48 hours. (2.6)
- o CrCl below 30 mL/min or hemodialysis: Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended. (2.6)

WARNINGS AND PRECAUTIONS

Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

Lactic Acidosis/Severe Hepatomegaly with Steatosis

Risk of Adverse Reactions Due to Drug Interactions

CONTRAINDICATIONS

Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

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Risk of Adverse Reactions Due to Drug Interactions

FULL PRESCRIBING INFORMATION

WARNING: POSTTREATMENT ACUTE EXACERBATION OF HEPATITIS B AND RISK OF DRUG RESISTANCE WITH USE OF EMTRICITABINE AND TENOFIVIR DISPROXIL FUMARATE TABLETS FOR HIV PRE-EXPOSURE PROPHYLAXIS (PrEP) IN UNDIAGNOSED EARLY HIV-1 INFECTION

Severe acute exacerbations of hepatitis B (HBV) have been reported in HBV-infected individuals who have discontinued emtricitabine and tenofovir disoproxil fumarate. Hepatic function should be monitored closely with both clinical and laboratory follow-up for at least 18 weeks in one tablet (containing 200 mg of FTC and 300 mg of TDF) once daily taken orally with or without food. (see Warnings and Precautions (5.1))

Emtricitabine and tenofovir disoproxil fumarate tablets are indicated in at-risk adults and adolescents weighing at least 35 kg for pre-exposure prophylaxis (PrEP) to reduce the risk of sexually acquired HIV-1 infection. Individuals must have a negative HIV-1 test immediately prior to initiating emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP. (see Dosage and Administration (2.2))

Testing: Prior to or when initiating emtricitabine and tenofovir disoproxil fumarate test for hepatitis B virus infection. Prior to initiation and during use of emtricitabine and tenofovir disoproxil fumarate, on a clinically appropriate schedule, assess serum creatinine, estimated creatinine clearance, urine glucose, and urine protein in all individuals. In individuals with chronic kidney disease, also assess serum phosphorus. (see Warnings and Precautions (2.1))

HIV-1 Screening: Screen all individuals for HIV-1 infection immediately prior to initiating emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP and at least once every 3 months while taking emtricitabine and tenofovir disoproxil fumarate, and upon diagnosis of any other sexually transmitted infections (STIs). (see Indications and Usage (1.2), Contraindications (4), and Warnings and Precautions (5.2))

Recommended Dosage for Treatment of HIV-1 Infection in Adults and Pediatric Patients Weighing at Least 35 kg

Emtricitabine and tenofovir disoproxil fumarate tablets are a two-drug fixed dose combination product containing emtricitabine (FTC) and tenofovir disoproxil fumarate (TDF). The recommended dosage of emtricitabine and tenofovir disoproxil fumarate tablets in adults and in pediatric patients weighing at least 35 kg is one tablet (containing 200 mg of FTC and 300 mg of TDF) once daily taken orally with or without food. (see Clinical Pharmacology (12.3))

The recommended oral dosage of emtricitabine and tenofovir disoproxil fumarate tablets for pediatric patients weighing at least 17 kg and who can swallow a tablet is presented in Table 1. Tablets containing 100 mg of emtricitabine and 150 mg of tenofovir disoproxil fumarate are not recommended, and the emtricitabine and tenofovir disoproxil fumarate tablets dose adjusted accordingly.

Table 1 Dosing for Treatment of HIV-1 Infection in Pediatric Patients Weighing 17 kg to less than 35 kg

Body Weight (kg)	Dosing of Emtricitabine and Tenofovir Disoproxil Fumarate Tablets (FTC/TDF)
17 to less than 22	one 100 mg/150 mg tablet once daily
22 to less than 28	one 133 mg/200 mg tablet once daily
28 to less than 35	one 167 mg/250 mg tablet once daily

2.2 Recommended Dosage for HIV-1 PrEP in Adults and Adolescents Weighing at Least 35 kg

The dosage of emtricitabine and tenofovir disoproxil fumarate tablets for HIV-1 PrEP is one tablet (containing 200 mg of FTC and 300 mg of TDF) once daily taken orally with or without food in HIV-1 uninfected adults and adolescents weighing at least 35 kg. (see Clinical Pharmacology (12.3))

2.6 Dosage Adjustment in Individuals with Renal Impairment

Treatment of HIV-1 Infection

Table 2 provides dosage interval adjustment for patients with renal impairment. No dosage adjustment is necessary for HIV-1 infected patients with mild renal impairment (creatinine clearance \geq 50 mL/min). The safety and effectiveness of the dosing interval recommendations in patients with moderate renal impairment (\geq 30 mL/min) have not been studied. (see Warnings and Precautions (5.3))

No data are available to make dosage recommendations in pediatric patients with renal impairment.

Table 2 Dosage Interval Adjustment for HIV-1 Infected Adult Patients with Altered Creatinine Clearance

Creatinine Clearance (mL/min)	Emtricitabine and Tenofovir Disoproxil Fumarate Tablets
\geq 50	one 100 mg/150 mg tablet once daily
30 to 49 (including Patients Requiring Hemodialysis)	one 133 mg/200 mg tablet once daily
\leq 30	Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended.

Recommended Dosing Interval

Every 24 hours

Every 48 hours

Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended.

Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended in HIV-1 uninfected individuals with estimated creatinine clearance below 60 mL/min. (see Warnings and Precautions (5.3))

5.1 Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Severe acute exacerbations of hepatitis B (HBV) have been reported in HBV-infected individuals who have discontinued emtricitabine and tenofovir disoproxil fumarate. Hepatic function should be monitored closely with both clinical and laboratory follow-up for at least several months in individuals who discontinue emtricitabine and tenofovir disoproxil fumarate. If appropriate, anti-hepatitis B therapy may be warranted, especially in individuals with advanced liver disease or cirrhosis, since posttreatment exacerbation of hepatitis may lead to hepatic decompensation and liver failure. HIV-uninfected individuals should be offered vaccination.

5.2 Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to reduce the risk of HIV-1 infection as part of a comprehensive prevention strategy that includes other prevention measures, including adherence to daily administration and safer sex practices, including the use of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP, are not sufficient to prevent HIV-1 infection. The time from initiation of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to maximal protection against HIV-1 infection is unknown.

5.3 New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

Lactic Acidosis/Severe Hepatomegaly with Steatosis

Risk of Adverse Reactions Due to Drug Interactions

Emtricitabine and tenofovir disoproxil fumarate tablets are available in one dose strength:

200 mg/300 mg: 200 mg of FTC and 300 mg of TDF (equivalent to 245 mg of tenofovir disoproxil fumarate) white to off white (opaque), film-coated biconvex tablets, debossed with "LA49" on one side and plain on the other.

CONTRAINDICATIONS

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP is contraindicated in individuals with known or positive HIV-1 status. (see Warnings and Precautions (5.2))

WARNINGS AND PRECAUTIONS

Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

Lactic Acidosis/Severe Hepatomegaly with Steatosis

Risk of Adverse Reactions Due to Drug Interactions

Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended in HIV-1 uninfected individuals with estimated creatinine clearance below 60 mL/min. (see Warnings and Precautions (5.3))

5.1 Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Severe acute exacerbations of hepatitis B (HBV) have been reported in HBV-infected individuals who have discontinued emtricitabine and tenofovir disoproxil fumarate. Hepatic function should be monitored closely with both clinical and laboratory follow-up for at least several months after stopping treatment. If appropriate, anti-hepatitis B therapy may be warranted, especially in individuals with advanced liver disease or cirrhosis, since posttreatment exacerbation of hepatitis may lead to hepatic decompensation and liver failure. HIV-uninfected individuals should be offered vaccination.

5.2 Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to reduce the risk of HIV-1 infection as part of a comprehensive prevention strategy that includes other prevention measures, including adherence to daily administration and safer sex practices, including the use of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP, are not sufficient to prevent HIV-1 infection. The time from initiation of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to maximal protection against HIV-1 infection is unknown.

5.3 New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

Lactic Acidosis/Severe Hepatomegaly with Steatosis

Risk of Adverse Reactions Due to Drug Interactions

Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended in HIV-1 uninfected individuals with estimated creatinine clearance below 60 mL/min. (see Warnings and Precautions (5.3))

5.1 Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Severe acute exacerbations of hepatitis B (HBV) have been reported in HBV-infected individuals who have discontinued emtricitabine and tenofovir disoproxil fumarate. Hepatic function should be monitored closely with both clinical and laboratory follow-up for at least several months after stopping treatment. If appropriate, anti-hepatitis B therapy may be warranted, especially in individuals with advanced liver disease or cirrhosis, since posttreatment exacerbation of hepatitis may lead to hepatic decompensation and liver failure. HIV-uninfected individuals should be offered vaccination.

5.2 Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to reduce the risk of HIV-1 infection as part of a comprehensive prevention strategy that includes other prevention measures, including adherence to daily administration and safer sex practices, including the use of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP, are not sufficient to prevent HIV-1 infection. The time from initiation of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to maximal protection against HIV-1 infection is unknown.

5.3 New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

Lactic Acidosis/Severe Hepatomegaly with Steatosis

Risk of Adverse Reactions Due to Drug Interactions

Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended in HIV-1 uninfected individuals with estimated creatinine clearance below 60 mL/min. (see Warnings and Precautions (5.3))

5.1 Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Severe acute exacerbations of hepatitis B (HBV) have been reported in HBV-infected individuals who have discontinued emtricitabine and tenofovir disoproxil fumarate. Hepatic function should be monitored closely with both clinical and laboratory follow-up for at least several months after stopping treatment. If appropriate, anti-hepatitis B therapy may be warranted, especially in individuals with advanced liver disease or cirrhosis, since posttreatment exacerbation of hepatitis may lead to hepatic decompensation and liver failure. HIV-uninfected individuals should be offered vaccination.

5.2 Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to reduce the risk of HIV-1 infection as part of a comprehensive prevention strategy that includes other prevention measures, including adherence to daily administration and safer sex practices, including the use of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP, are not sufficient to prevent HIV-1 infection. The time from initiation of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to maximal protection against HIV-1 infection is unknown.

5.3 New Onset or Worsening Renal Impairment

HIV-1 Pre-Exposure Prophylaxis (PrEP)

Recommended dosage for HIV-1 uninfected adults and adolescents weighing at least 35 kg: One emtricitabine and tenofovir disoproxil fumarate tablet (containing 200 mg of FTC and 300 mg of TDF) once daily taken orally with or without food.

Recommended dosage in newly initiated HIV-uninfected individuals: Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended in HIV-uninfected individuals if CrCl is below 60 mL/min. (2.6)

CONTRAINDICATIONS

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP is contraindicated in individuals with known or positive HIV-1 status. (5)

WARNINGS AND PRECAUTIONS

Comprehensive management to reduce the risk of acquiring HIV-1 when emtricitabine and tenofovir disoproxil fumarate is used for HIV-1 PrEP: Use as part of a comprehensive prevention strategy including other prevention measures, strictly adhere to dosing schedule. (5.2)

Management to reduce the risk of acquiring HIV-1 drug resistance when emtricitabine and tenofovir disoproxil fumarate is used for HIV-1 PrEP: refer to full prescribing information for additional detail. (5.2)

New onset or worsening renal impairment: Can include acute renal failure and Fanconi syndrome. (5.3)

Lactic acidosis/severe hepatomegaly with steatosis: Discontinue emtricitabine and tenofovir disoproxil fumarate in individuals who develop symptoms or laboratory findings suggestive of lactic acidosis or pronounced hepatotoxicity. (5.4)

Decreases in bone mineral density (BMD): Consider assessment of BMD in individuals with a history of pathologic fracture or other risk factors for osteoporosis or bone loss. (5.5)

Lactic acidosis/severe hepatomegaly with steatosis: Discontinue emtricitabine and tenofovir disoproxil fumarate in individuals who develop symptoms or laboratory findings suggestive of lactic acidosis or pronounced hepatotoxicity. (5.6)

Emtricitabine and tenofovir disoproxil fumarate tablets are indicated in at-risk adults and adolescents weighing at least 35 kg for pre-exposure prophylaxis (PrEP) to reduce the risk of sexually acquired HIV-1 infection. Individuals must have a negative HIV-1 test immediately prior to initiating emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP.

Testing: Prior to or when initiating emtricitabine and tenofovir disoproxil fumarate test for hepatitis B virus infection. Prior to initiation and during use of emtricitabine and tenofovir disoproxil fumarate, on a clinically appropriate schedule, assess serum creatinine, estimated creatinine clearance, urine glucose, and urine protein in all individuals. In individuals with chronic kidney disease, also assess serum phosphorus. (2.1)

HIV-1 Screening: Screen all individuals for HIV-1 infection immediately prior to initiating emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP and at least once every 3 months while taking emtricitabine and tenofovir disoproxil fumarate, and upon diagnosis of any other sexually transmitted infections (STIs). (2.2)

Recommended Dosage for Treatment of HIV-1 Infection in Adults and Pediatric Patients Weighing at Least 35 kg

Emtricitabine and tenofovir disoproxil fumarate tablets are a two-drug fixed dose combination product containing emtricitabine (FTC) and tenofovir disoproxil fumarate (TDF). The recommended dosage of emtricitabine and tenofovir disoproxil fumarate tablets in adults and in pediatric patients weighing at least 35 kg is one tablet (containing 200 mg of FTC and 300 mg of TDF) once daily taken orally with or without food. (see Clinical Pharmacology (12.3))

The recommended oral dosage of emtricitabine and tenofovir disoproxil fumarate tablets for pediatric patients weighing at least 17 kg and who can swallow a tablet is presented in Table 1. Tablets containing 100 mg of emtricitabine and 150 mg of tenofovir disoproxil fumarate are not recommended, and the emtricitabine and tenofovir disoproxil fumarate tablets dose adjusted accordingly.

Table 1 Dosing for Treatment of HIV-1 Infection in Pediatric Patients Weighing 17 kg to less than 35 kg

Body Weight (kg)	Dosing of Emtricitabine and Tenofovir Disoproxil Fumarate Tablets (FTC/TDF)
17 to less than 22	one 100 mg/150 mg tablet once daily
22 to less than 28	one 133 mg/200 mg tablet once daily
28 to less than 35	one 167 mg/250 mg tablet once daily

2.2 Recommended Dosage for HIV-1 PrEP in Adults and Adolescents Weighing at Least 35 kg

The dosage of emtricitabine and tenofovir disoproxil fumarate tablets for HIV-1 PrEP is one tablet (containing 200 mg of FTC and 300 mg of TDF) once daily taken orally with or without food in HIV-1 uninfected adults and adolescents weighing at least 35 kg. (see Clinical Pharmacology (12.3))

2.6 Dosage Adjustment in Individuals with Renal Impairment

Treatment of HIV-1 Infection

Table 2 provides dosage interval adjustment for patients with renal impairment. No dosage adjustment is necessary for HIV-1 infected patients with mild renal impairment (creatinine clearance \geq 50 mL/min). The safety and effectiveness of the dosing interval recommendations in patients with moderate renal impairment (\geq 30 mL/min) have not been studied. (see Warnings and Precautions (5.3))

No data are available to make dosage recommendations in pediatric patients with renal impairment.

Table 2 Dosage Interval Adjustment for HIV-1 Infected Adult Patients with Altered Creatinine Clearance

Creatinine Clearance (mL/min)	Emtricitabine and Tenofovir Disoproxil Fumarate Tablets
\geq 50	one 100 mg/150 mg tablet once daily
30 to 49 (including Patients Requiring Hemodialysis)	one 133 mg/200 mg tablet once daily
\leq 30	Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended.

Recommended Dosing Interval

Every 24 hours

Every 48 hours

Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended.

Emtricitabine and tenofovir disoproxil fumarate tablets are not recommended in HIV-1 uninfected individuals with estimated creatinine clearance below 60 mL/min. (see Warnings and Precautions (5.3))

5.1 Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Severe acute exacerbations of hepatitis B (HBV) have been reported in HBV-infected individuals who have discontinued emtricitabine and tenofovir disoproxil fumarate. Hepatic function should be monitored closely with both clinical and laboratory follow-up for at least several months in individuals who discontinue emtricitabine and tenofovir disoproxil fumarate. If appropriate, anti-hepatitis B therapy may be warranted, especially in individuals with advanced liver disease or cirrhosis, since posttreatment exacerbation of hepatitis may lead to hepatic decompensation and liver failure. HIV-uninfected individuals should be offered vaccination.

5.2 Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to reduce the risk of HIV-1 infection as part of a comprehensive prevention strategy that includes other prevention measures, including adherence to daily administration and safer sex practices, including the use of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP, are not sufficient to prevent HIV-1 infection. The time from initiation of emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP to maximal protection against HIV-1 infection is unknown.

5.3 New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

Lactic Acidosis/Severe Hepatomegaly with Steatosis

Risk of Adverse Reactions Due to Drug Interactions

Emtricitabine and tenofovir disoproxil fumarate tablets are available in one dose strength:

200 mg/300 mg: 200 mg of FTC and 300 mg of TDF (equivalent to 245 mg of tenofovir disoproxil fumarate) white to off white (opaque), film-coated biconvex tablets, debossed with "LA49" on one side and plain on the other.

CONTRAINDICATIONS

Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP is contraindicated in individuals with known or positive HIV-1 status. (see Warnings and Precautions (5.2))

WARNINGS AND PRECAUTIONS

Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

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Emtricitabine and tenofovir disoproxil fumarate for HIV-1 PrEP is contraindicated in individuals with known or positive HIV-1 status. (see Warnings and Precautions (5.2))

WARNINGS AND PRECAUTIONS

Severe Acute Exacerbation of Hepatitis B in Individuals with HIV Infection

Comprehensive Management to Reduce the Risk of Sexually Transmitted Infections, Including HIV-1, and Development of HIV-1 Resistance When Emtricitabine and Tenofovir Disoproxil Fumarate Is Used for HIV-1 PrEP

New Onset or Worsening Renal Impairment

Bone Loss and Mineralization Defects

Lactic Acidosis/Severe Hepatomegaly with Steatosis

Risk

