



535-2018-01

TEMOVIFOR DISPROXIL FUMARATE TABLETS 204RZ06

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use TEMOVIFOR DISPROXIL FUMARATE TABLETS safely and effectively. See full prescribing information for TEMOVIFOR DISPROXIL FUMARATE TABLETS.

TEMOVIFOR DISPROXIL FUMARATE TABLETS, for oral use

Initial U.S. Approval: 2001

WARNING: POSTTREATMENT EXACERBATION OF HEPATITIS

Severe acute exacerbations of hepatitis have been reported in HBV-infected patients who have discontinued anti-hepatitis B therapy, including tenofovir disoproxil fumarate tablets. Hepatic function should be monitored closely in these patients. If appropriate, resumption of anti-hepatitis B therapy may be warranted. (5.1)

INDICATIONS AND USAGE

RECENT MAJOR CHANGES

Warnings and Precautions, Lactic Acidosis/Severe Hepatomegaly with Steatosis 04/2017

Warnings and Precautions, Lactic Acidosis/Severe Hepatomegaly with Steatosis (5.3) 04/2017

Warnings and Precautions, Coadministration with Other Products (5.4) 04/2017

Warnings and Precautions, Fat Redistribution 04/2017

INDICATIONS AND USAGE

Tenofovir disoproxil fumarate tablets are a nucleoside analog HIV-1 reverse transcriptase inhibitor and an HIV reverse transcriptase inhibitor.

Tenofovir disoproxil fumarate tablets are indicated in combination with other antiretroviral agents for the treatment of HIV-1 infection in adults and pediatric patients 2 years of age and older. (1)

Tenofovir disoproxil fumarate tablets are indicated for the treatment of chronic hepatitis B in adults and pediatric patients 12 years of age and older. (1)

DOSAGE AND ADMINISTRATION

Recommended dose for the treatment of HIV-1 or chronic hepatitis B in adults and pediatric patients 12 years of age and older (35 kg or more): 300 mg once daily taken orally with regard to food. (2.1)

Recommended dose for the treatment of HIV-1 in pediatric patients (2 to less than 12 years of age):

o Tablets: For pediatric patients weighing greater than or equal to 17 kg who can swallow an intact tablet, one tenofovir disoproxil fumarate tablet (300 mg based on body weight) once daily taken orally without regard to food. (2.2)

o Dose recommended in renal impairment in adults:

o Creatinine clearance 30 to 49 mL/min: 300 mg every 48 hours. (2.3)

o Creatinine clearance 10 to 29 mL/min: 300 mg every 72 to 96 hours. (2.3)

o Hemodialysis: 300 mg every 7 days or approximately 12 hours of dialysis. (2.3)

DOSAGE FORMS AND STRENGTHS

Tablets: 300 mg (3)

CONTRAINDICATIONS

None. (4)

FULL PRESCRIBING INFORMATION: CONTENTS

WARNING: POSTTREATMENT EXACERBATION OF HEPATITIS

INDICATIONS AND USAGE

1.1 Chronic Hepatitis B

2. DOSAGE AND ADMINISTRATION

2.1 Recommended Dose in Adults and Pediatric Patients 12 Years of Age and Older (35 kg or more)

2.2 Recommended Dose in Pediatric Patients 2 Years to Less than 12 Years of Age

2.3 Dose Adjustment for Renal Impairment in Adults

3. DOSAGE FORMS AND STRENGTHS

4. CONTRAINDICATIONS

5. WARNINGS AND PRECAUTIONS

5.1 Exacerbation of Hepatitis after Discontinuation of Treatment

5.2 New Onset or Worsening Renal Impairment

5.3 Lactic Acidosis/Severe Hepatomegaly with Steatosis

5.4 Coadministration with Other Products

5.5 Patients Conferred with HIV-1 and HBV

5.6 Bone Effects

5.7 Immune Reconstitution Syndrome

5.8 Early Virologic Failure

6. ADVERSE REACTIONS

6.1 Adverse Reactions from Clinical Trials Experience

6.2 Postmarketing Experience

7. PATIENT COUNSELING INFORMATION

7.1 Didosine

WARNINGS AND PRECAUTIONS

New onset or worsening renal impairment: Can include acute renal failure and Fanconi syndrome. Assess estimated creatinine clearance before initiating treatment with tenofovir disoproxil fumarate tablets. In patients at risk for renal dysfunction, assess estimated creatinine clearance, serum phosphorus, urine glucose, and urine protein before initiating treatment with tenofovir disoproxil fumarate tablets and periodically during treatment. Avoid administering tenofovir disoproxil fumarate tablets with concurrent or recent use of nephrotoxic drugs. (5.2)

Lactic acidosis/severe hepatomegaly with steatosis: Discontinue treatment in patients who develop symptoms or laboratory findings suggestive of lactic acidosis or pronounced hepatotoxicity. (5.3)

Coadministration with other products: Do not use with other tenofovir-containing products (e.g., ATRIPLA, COMPLERA, DESOXY, GENVOYA, ODEFSEY, STRIBILU, TRUVADA, or VEMLDY). Do not administer in combination with HEPSERA. (5.4)

HIV testing: HIV antibody testing should be offered to all HBV-infected patients before initiating therapy with tenofovir disoproxil fumarate tablets. Tenofovir disoproxil fumarate tablets should be used as part of an appropriate antiretroviral combination regimen in HIV-infected patients with or without HIV coinfection. (5.5)

Decreases in bone mineral density (BMD): Consider assessment of BMD in patients with a history of pathologic fracture or other risk factors for osteoporosis or bone loss. (5.6)

Immune reconstitution syndrome: Observed in HIV-infected patients. May necessitate further evaluation and management. (5.7)

Triple nucleoside-only regimens: Early virologic failure has been reported in HIV-infected patients. Monitor carefully and consider treatment modification. (5.8)

ADVERSE REACTIONS

In HIV-infected adult subjects: Most common adverse reactions (incidence greater than or equal to 10%, Grades 2 to 4) are rash, diarrhea, headache, pain, depression, asthenia, and nausea. (6.1)

In HBV-infected subjects with compensated liver disease: Most common adverse reaction (all grades) was nausea. (6.1)

In HBV-infected subjects: Adverse reactions in pediatric subjects were consistent with those observed in adults. (6.1)

In HBV-infected subjects with decompensated liver disease: Most common adverse reactions (incidence greater than or equal to 10%, all grades) were abdominal pain, nausea, insomnia, pruritus, vomiting, dizziness, and dyspepsia. (6.1)

In HBV-infected subjects: Adverse reactions in pediatric subjects were consistent with those observed in adults. (6.1)

In HBV-infected subjects with decompensated liver disease: Most common adverse reactions (incidence greater than or equal to 10%, all grades) were abdominal pain, nausea, insomnia, pruritus, vomiting, dizziness, and dyspepsia. (6.1)

DRUG INTERACTIONS

Didosine: Coadministration increases didanosine concentrations. Use with caution and monitor for evidence of didanosine toxicity (e.g., pancreatitis, neuropathy). Consider dose reductions or discontinuations of didanosine. (5.4)

HIV-1 protease inhibitors: Coadministration decreases atazanavir concentrations and increases tenofovir concentrations. When coadministered with tenofovir disoproxil fumarate tablets, use atazanavir given with food. (5.4)

Ritonavir or lopinavir/ritonavir increases tenofovir concentrations. Monitor for evidence of tenofovir toxicity. (7.2)

USE IN SPECIFIC POPULATIONS

Nursing mothers: Women infected with HIV should be instructed not to breastfeed. (8.3)

See full for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling

Revised: 01/2018

7.2 HIV-1 Protease Inhibitors

7.3 Hepatitis C Antiviral Agents

7.4 Drugs Affecting Renal Function

8. USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

8.2 Nursing Mothers

8.3 Pediatric Use

8.4 Geriatric Use

8.5 Patients with Impaired Renal Function

10. OVERDOSAGE

12. DESCRIPTION

12.1 Mechanism of Action

12.2 Pharmacokinetics

12.3 Microbiology

13. NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

13.2 Animal Toxicology and/or Pharmacology

14. CLINICAL STUDIES

14.1 Clinical Efficacy in Adults with HIV Infection

14.2 Clinical Efficacy in Adults with Chronic Hepatitis B

16. HOW SUPPLIED/STORAGE AND HANDLING

17. PATIENT COUNSELING INFORMATION

*Sections or subsections omitted from the full prescribing information are not listed

Table 5 Grades 3 to 4 Laboratory Abnormalities Reported in >1% of Tenofovir disoproxil fumarate-Treated Subjects in Study 903 (0 to 144 Weeks)

Table with 3 columns: Laboratory Abnormality, Tenofovir disoproxil fumarate Tablets (N=299), and d4T/3TC-EFV (N=301). Rows include Fasting Cholesterol, Creatine Kinase, Serum Amylase, AST, ALT, Hematoma, Neutrophils, and Fasting Triglycerides.

Changes in Bone Mineral Density: In HIV-1 infected adult subjects in Study 903, there was a significantly greater mean percentage decrease from baseline in BMD at the lumbar spine in subjects receiving tenofovir disoproxil fumarate tablets + lamivudine + efavirenz (n=33) compared with subjects receiving stavudine + lamivudine + efavirenz (n=33) at 48 weeks.

Table 6 Selected Treatment-Emergent Adverse Reactions (Grades 2 to 4) Reported in >5% in Any Treatment Group in Study 934 (0 to 144 Weeks)

Table with 3 columns: Adverse Reaction, Tenofovir disoproxil fumarate Tablets (N=257), and AZT/3TC-EFV (N=254). Rows include Gastrointestinal Disorder, Infections and Infestations, General Disorders and Administration Site Condition, Upper respiratory tract infections, Nervous System Disorders, Headache, Dizziness, Psychiatric Disorders, Depression, and Skin and Subcutaneous Tissue Disorders.

a. Frequencies of adverse reactions are based on all treatment-emergent adverse events, regardless of relationship to study drug.

b. From Week 48 to 144 of the trial, subjects received TRUVADA with efavirenz in place of tenofovir disoproxil fumarate tablets + efavirenz.

c. Rash event includes rash, exfoliative rash, generalized rash, macular, rash maculopapular, rash pruritic, and rash vesicular.

Laboratory Abnormalities: Laboratory abnormalities observed in this trial were generally consistent with those seen in clinical trials.

Table 7 Significant Laboratory Abnormalities Reported in >1% of Subjects in Any Treatment Group in Study 934 (0 to 144 Weeks)

Table with 3 columns: Laboratory Abnormality, Tenofovir disoproxil fumarate Tablets (N=257), and AZT/3TC-EFV (N=254). Rows include Any > Grade 3 Laboratory Abnormality, Fasting Cholesterol, Creatine Kinase, Serum Amylase, Alkaline Phosphatase, AST, ALT, Hemoglobin, Hypoglycemia, Hematoma, Glycosuria, Neutrophils, and Fasting Triglycerides.

a. From Week 96 to 144 of the trial, subjects received TRUVADA with efavirenz in place of tenofovir disoproxil fumarate tablets + efavirenz.

Laboratory-Experienced Patients: Treatment-Emergent Adverse Reactions: The adverse reactions seen in treatment-experienced subjects were similar to those seen in treatment-naïve subjects including mild to moderate gastrointestinal events.

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baseline. No significant change in the tolerability profile was observed with continued treatment for up to 384 weeks.

Laboratory Abnormalities: A summary of Grades 3 to 4 laboratory abnormalities through Week 48 is provided in Table 10. Grades 3 to 4 laboratory abnormalities were similar in subjects continuing tenofovir disoproxil fumarate tablets for up to 144 weeks in these trials.

Table 10 Grades 3 to 4 Laboratory Abnormalities Reported in >1% of Tenofovir disoproxil fumarate-Treated Subjects in Studies 0102 and 0103 (0 to 48 Weeks)

Table with 3 columns: Laboratory Abnormality, Tenofovir disoproxil fumarate Tablets (N=426), and HEPSERA (N=215). Rows include Any > Grade 3 Laboratory Abnormality, Creatine Kinase, Serum Amylase, Glycosuria, AST, and ALT.

The overall incidence of on-treatment ALT flares (defined as serum ALT greater than 2x baseline and greater than 10x ULN, with or without associated symptoms) was similar between tenofovir disoproxil fumarate tablets (2.6%) and HEPSERA (2.6%). ALT flares generally occurred within the first 4 to 8 weeks of treatment and were accompanied by decreases in HBV DNA levels. No subject had evidence of decompensation. ALT flares typically resolved within 4 to 8 weeks without changes in study medication.

The adverse reactions observed in subjects with chronic hepatitis B and lamivudine resistance who received treatment with tenofovir disoproxil fumarate tablets were consistent with those observed in other hepatitis B clinical trials in adults.

Clinical Trials in Adult Subjects with Chronic Hepatitis B and Decompensated Liver Disease: In a small randomized, active-controlled trial (0108), subjects with CHB and decompensated liver disease received treatment with tenofovir disoproxil fumarate tablets or other antiviral drugs for up to 48 weeks.

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