

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all of the information needed to use **ABACAVIR AND LAMIVUDINE TABLETS** safely and effectively. See full prescribing information for **ABACAVIR AND LAMIVUDINE TABLETS**.

ABACAVIR AND LAMIVUDINE tablets, for oral use
Initial U.S. Approval: 2004

WARNING: HYPERSENSITIVITY REACTIONS AND EXACERBATIONS OF HEPATITIS B	
See full prescribing information for complete boxed warning.	
Hypersensitivity Reactions	
• Serious and sometimes fatal hypersensitivity reactions have occurred with abacavir-containing products. (5.1)	
• Hypersensitivity to abacavir is a multi-organ clinical syndrome. (5.1)	
• Patients who carry the HLA-B*5701 allele are at a higher risk of experiencing a hypersensitivity reaction to abacavir. (5.1)	
• Abacavir and lamivudine is contraindicated in patients with a prior hypersensitivity reaction to abacavir and in HLA-B*5701-positive patients. (4)	
• Discontinue abacavir and lamivudine as soon as a hypersensitivity reaction is suspected. Regardless of HLA-B*5701 status, permanently discontinue abacavir and lamivudine if hypersensitivity cannot be ruled out, even when other diagnoses are possible. (5.1)	
• Following a hypersensitivity reaction to abacavir and lamivudine, NEVER restart abacavir and lamivudine or any other abacavir-containing product. (5.1)	
Exacerbations of Hepatitis B	
• Severe acute exacerbations of hepatitis B have been reported in patients who are co-infected with hepatitis B virus (HBV) and human immunodeficiency virus (HIV-1) and have discontinued lamivudine, a component of abacavir and lamivudine. Monitor hepatic function closely in these patients and, if appropriate, initiate anti-hepatitis B treatment. (5.2)	

RECENT MAJOR CHANGES

Dosage and Administration, Not Recommended Due to Lack of Dosage Adjustment (2.4) 12/2021

INDICATIONS AND USAGE

Abacavir and lamivudine tablets, are combination of abacavir and lamivudine, both nucleoside analoge HIV-1 reverse transcriptase inhibitors, is indicated in combination with other antiretroviral agents for the treatment of HIV-1 infection. (1)

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

abacavir and in HLA-B*5701-positive patients.

Before starting abacavir and lamivudine, review medical history for prior exposure to any abacavir-containing product. NEVER restart abacavir and lamivudine or any other abacavir-containing product following a hypersensitivity reaction to abacavir, regardless of HLA-B*5701 status.

To reduce the risk of a life-threatening hypersensitivity reaction, regardless of HLA-B*5701 status, discontinue abacavir and lamivudine immediately if a hypersensitivity reaction is suspected, even when other diagnoses are possible (e.g., acute onset respiratory diseases such as pneumonia, bronchitis, pharyngitis, or influenza; gastroenteritis; or reactions to other medications).

If a hypersensitivity reaction cannot be ruled out, do not restart abacavir and lamivudine or any abacavir-containing products because more severe symptoms, which may include life-threatening hypotension and death, can occur within hours.

If a hypersensitivity reaction is ruled out, patients may restart abacavir and lamivudine. Rarely, patients who have stopped abacavir for reasons other than symptoms of hypersensitivity have also experienced life-threatening reactions within hours of reinitiating abacavir therapy. Therefore, reintroduction of abacavir and lamivudine or any other abacavir-containing product is recommended only if medical care can be readily accessed.

A Medication Guide and Warning Card that provide information about recognition of hypersensitivity reactions should be dispersed with each new prescription and refill.

Patients with Hepatitis B Virus Co-infection

Clinical and laboratory evidence of exacerbations of hepatitis have occurred after discontinuation of lamivudine. See full prescribing information for EPIVIR (lamivudine). Patients should be closely monitored with both clinical and laboratory follow-up for at least several months after stopping treatment.

Emergence of Lamivudine-Resistant HBV

Safety and efficacy of lamivudine have not been established for treatment of chronic hepatitis B in subjects daily infected with HIV-1 and HBV. Emergence of hepatitis B virus variants associated with resistance to lamivudine has been reported in HIV-1-infected subjects who have received lamivudine-containing antiretroviral regimens in the presence of concurrent infection with hepatitis B virus. See full prescribing information for EPIVIR (lamivudine).

Lactic Acidosis and Severe Hepatomegaly with Steatosis

Lactic acidosis and severe hepatomegaly with steatosis, including fatal cases, have been reported with the use of nucleoside analogues, including abacavir and lamivudine (components of abacavir and lamivudine). A majority of these cases have been in women. Female sex and obesity may be risk factors for the development of lactic acidosis and severe hepatomegaly with steatosis in patients treated with antiretroviral nucleoside analogues. See full prescribing information for ZIAGEN (abacavir) and EPIVIR (lamivudine). Treatment with abacavir and lamivudine should be suspended in any patient who develops clinical or laboratory findings suggestive of lactic acidosis or pronounced hepatomegaly, which may include hepatomegaly and steatosis even in the absence of marked transaminase elevations.

Immune Reconstitution Syndrome

Immune reconstitution syndrome has been reported in patients treated with combination antiretroviral therapy, including abacavir and lamivudine. During the initial phase of combination antiretroviral treatment, patients whose immune systems respond may develop an inflammatory response to indolent or occult infections (such as *Mycobacterium avium* infection, cytomegalovirus, *Pneumocystis jirovecii* pneumonia [PCP], or tuberculosis), which may necessitate further evaluation and treatment.

Autoimmune disorders (such as Graves' disease, polymyositis, and Guillain-Barré syndrome) have also been reported in patients receiving antiretroviral therapy, and the time to onset is more variable, and can occur many months after initiation of treatment.

Myocardial Infarction

Several prospective, observational, epidemiological studies have reported an association with the use of abacavir and the risk of myocardial infarction (MI). Meta-analyses of randomized, controlled clinical trials have observed an association between abacavir and lamivudine and the risk of myocardial infarction. To date, there is no established biological mechanism to explain the potential increase in risk. In total, the available data from the observational studies and from controlled clinical trials show inconsistent results. Therefore, evidence for a causal relationship between abacavir treatment and the risk of MI is inconclusive.

As a precaution, the underlying risk of coronary heart disease should be considered when prescribing antiretroviral therapies, including abacavir, and action taken to minimize all modifiable risk factors (e.g., hypertension, hyperlipidemia, diabetes mellitus, smoking).

ADVERSE REACTIONS

The following adverse reactions are discussed in other sections of the Boxed Warning, Warnings and Precautions (5.1):

Serious and sometimes fatal hypersensitivity reactions (see Boxed Warning, Warnings and Precautions (5.1)).

Exacerbations of hepatitis B (see Boxed Warning, Warnings and Precautions (5.2)).

Lactic acidosis and severe hepatomegaly with steatosis (see Warnings and Precautions (5.3)).

Immune reconstitution syndrome (see Warnings and Precautions (5.4)).

Myocardial infarction (see Warnings and Precautions (5.5)).

Clinical Trials Experience in Adult Subjects

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared with rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

Serious and Sometimes Fatal Hypersensitivity Reactions

In clinical trials, serious and sometimes fatal hypersensitivity reactions have occurred with abacavir, a component of abacavir and lamivudine (see Boxed Warning, Warnings and Precautions (5.1)). These reactions have been characterized by 2 or more of the following signs or symptoms: (1) fever; (2) rash; (3) gastrointestinal symptoms (including nausea, vomiting, diarrhea, or abdominal pain); (4) oral ulcers; (5) respiratory symptoms (including cough, pharyngitis, or achinitis); (5) respiratory symptoms (including dyspnea, cough, or pharyngitis). Almost all abacavir hypersensitivity reactions include fever and/or rash as part of the syndrome.

Other signs and symptoms have included lethargy, headache, myalgia, edema, arthralgia, and paresthesia. Anaphylaxis, liver failure, renal failure, hypotension, acute respiratory distress syndrome, respiratory failure, myoglobinuria, and death have occurred in association with these hypersensitivity reactions. Physical findings have included lymphadenopathy, mucous membrane lesions (conjunctivitis and mouth ulcerations), and maculopapular or urticarial rash (although some patients

had other types of rashes and others did not have a rash). There were reports of erythema multiforme. Laboratory abnormalities included elevated liver chemistries, elevated creatine phosphokinase, elevated creatinine, and lymphopenia and abnormal chest x-ray findings (predominantly infiltrates, which were localized).

Additional Adverse Reactions with Use of Abacavir and Lamivudine

Therapy-Naïve Adults: Treatment-emergent clinical adverse reactions (rated by the investigator as Grades 2 to 4, Greater than or Equal to 5% Frequency) in Therapy-Naïve Adults (CNA30021) through 48 Weeks of Treatment

Table 1. Treatment-Emergent (All Causality) Adverse Reactions of Least Moderate Intensity (Grades 2 to 4, Greater than or Equal to 5% Frequency) in Therapy-Naïve Adults (CNA30021) through 48 Weeks of Treatment

ZIAGEN 600 mg q.d. plus EPVIR plus Efavirenz (n = 384)

ZIAGEN 300 mg b.i.d. plus EPVIR plus Efavirenz (n = 386)

Adverse Event

Drug Hypersensitivity^a

Insomnia

Depression/Depressed mood

Headache/Migraine

Fatigue/Malaise

Dizziness/Vertigo

Nausea

Diarrhea^a

Flu

Pyrexia

Abdominal pain/gastritis

Nocturnal dreams

Anxiety

9. Subjects receiving ZIAGEN 600 mg once daily, experienced a significantly higher incidence of severe drug hypersensitivity reactions and severe diarrhea compared with subjects who received ZIAGEN 300 mg twice daily. Five percent (5%) of subjects receiving ZIAGEN 600 mg once daily had severe drug hypersensitivity reactions and 2% of subjects received ZIAGEN 600 mg once daily had severe diarrhea. Two percent (2%) of subjects receiving ZIAGEN 600 mg once daily had severe diarrhea while none of the subjects receiving ZIAGEN 300 mg twice daily had this event.

^a CNA30024 was a multi-center, double-blind, controlled trial in which 649 HIV-1-infected, therapy-naïve adults were randomized and received either ZIAGEN (300 mg twice daily), EPIVIR (150 mg twice daily), and efavirenz (600 mg once daily), or zidovudine (300 mg twice daily), EPIVIR (150 mg twice daily), and efavirenz (600 mg once daily). CNA30024 used double-blind ascertainment of suspected hypersensitivity reactions. During the blinded portion of the trial, suspected hypersensitivity reactions were reported by investigators in 9% of 324 subjects in the abacavir group and 5% of 325 subjects in the zidovudine group.

Laboratory Abnormalities: Laboratory abnormalities observed in clinical trials of ZIAGEN were anemia, neutropenia, liver function test abnormalities, and elevations of CPK, blood glucose, and triglycerides. Additional laboratory abnormalities observed in clinical trials of EPIVIR were thrombocytopenia and elevated levels of bilirubin, amylase, and lipase.

The frequencies of treatment-emergent laboratory abnormalities were comparable between treatment groups in CNA30021.

Other Adverse Events: In addition to adverse reactions listed above, other adverse events observed in the expanded access program for abacavir were pancreatitis and increased GGT.

Clinical Trials Experience in Pediatric Subjects

The safety of once-daily compared with twice-daily dosing of abacavir and lamivudine, administered as either single products or as abacavir and lamivudine, was assessed in the ARROW trial (n = 336). Primary safety assessment in the ARROW (CO105677) trial was based on Grade 3 and Grade 4 adverse events. The frequency of Grade 3 and 4 adverse events was similar among subjects randomized to once-daily dosing compared with subjects randomized to twice-daily dosing. One event of Grade 4 hepatitis in the once-daily cohort was considered as uncertain causality by the investigator and all other Grade 3 or 4 adverse events were considered not related by the investigator. No additional safety issues were identified in pediatric subjects receiving abacavir and lamivudine once-daily compared with historical data in adults (see Adverse Reactions (6.1)).

Postmarketing Experience

Adverse events have been identified during postmarketing use. Because these reactions are reported voluntarily from a population of unknown size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Abacavir

Cardiovascular: Myocardial infarction.

Skin: Suspected Stevens-Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN) have been reported in patients receiving abacavir primarily in combination with medications known to be associated with SJS and TEN, respectively. Because of the overlap of clinical signs and symptoms between the two syndromes, and the possibility of multiple drug sensitivities, the diagnosis is difficult in some patients. Abacavir should be discontinued and not restarted in such cases. There have also been reports of erythema multiforme with abacavir use (see Adverse Reactions (6.1)).

Abacavir and Lamivudine

Body as a Whole: Redistribution/accumulation of body fat.

Endocrine and Metabolic: Hypertigemia.

General Weakness:

Hepatic: Lactic acidosis and hepatic steatosis (see Warnings and Precautions (5.3)), posttreatment hepatitis (see Warnings and Precautions (5.2)).

Hypersensitivity: Sensitization reactions (including anaphylaxis), urticaria.

Musculoskeletal: Muscle weakness, creatine phosphokinase (CPK) elevation, rhabdomyolysis.

Neurologic: Headache, dizziness, somnolence, depression, anxiety, seizures.

Respiratory: Abnormal breath sounds, wheezing.

Skin: Alopecia, erythema multiforme, Stevens-Johnson syndrome.

DRUG INTERACTIONS

7.1 Methadone

In a trial of 11 HIV-1-infected subjects receiving methadone-maintenance therapy with 600 mg of ZIAGEN twice daily (twice the currently recommended dose), oral methadone clearance increased (see Clinical Pharmacology (12.3)). This alteration will not result in a methadone dose modification in the majority of patients; however, an increased methadone dose may be required in a small number of patients.

7.2 Sorbitol

Coadministration of single doses of lamivudine and sorbitol resulted in a sorbitol dose-dependent reduction in lamivudine exposures. When possible, avoid use of sorbitol-containing medicines with lamivudine-containing medicines (see Clinical Pharmacology (12.3)).

7.3 Riociguat

Coadministration with fixed-dose abacavir/dolutegravir/lamivudine resulted in increased riociguat exposure, which may increase the risk of riociguat adverse reactions (see Clinical Pharmacology (12.3)). Riociguat dose may need to be reduced. See full prescribing information for ADEMPPAS (riociguat).

USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Exposure Registry

A voluntary pregnancy registry that monitors pregnancy outcomes in women exposed to abacavir and lamivudine during pregnancy. Healthcare providers are encouraged to register patients by calling the Antiretroviral Pregnancy Registry (APR) at 1-800-258-4263.

Risk Summary

Available data from the APR show no difference in the overall risk of birth defects for abacavir or lamivudine compared with the background rate of birth defects of 2.7% in the Metropolitan Atlanta Congenital Defects Program (MACDP) reference population (see Data). The APR uses the MACDP as the U.S. reference population for birth defects in the general population. The MACDP evaluates women from a limited geographic area and does not include outcomes for births that occurred at less than 20 weeks' gestation. The rate of miscarriage is not reported in the APR. The estimated background rate of miscarriage in clinically recognized pregnancies in the U.S. general population is 15% to 20%. The background risk for major birth defects and miscarriage for the indicated population is unknown.

In animal reproduction studies, oral administration of abacavir to pregnant rats during organogenesis resulted in fetal malformations and other embryonic and fetal toxicities at exposures 35 times the human exposure (AUC) at the recommended clinical daily dose. However, no adverse developmental effects were observed following oral administration of abacavir to pregnant rabbits during organogenesis, at exposures approximately 9 times the human exposure (AUC) at the recommended clinical dose. Oral administration of lamivudine to pregnant rabbits during organogenesis resulted in embryofetality at systemic exposures (AUC) similar to the recommended clinical dose; however, no adverse developmental effects were observed with oral administration of lamivudine to pregnant rats during organogenesis at plasma concentrations (C_{max}) 35 times the recommended clinical dose (see Data).

Data

Human Data: Abacavir: Based on prospective reports to the APR of exposures to abacavir during pregnancy resulting in live births (including over 1,300 exposed in the first trimester and over 1,300 exposed in the second/third trimester), there was no difference between the overall risk of birth defects for abacavir compared with the background birth defect rate of 2.7% in the U.S. reference population of the MACDP. The prevalence of defects in live births was 3.2% (95% CI: 2.3% to 4.3%) following first trimester exposure to abacavir-containing regimens and 2.9% (95% CI: 2.1% to 4.0%) following second/third trimester exposure to abacavir-containing regimens.

Abacavir has been shown to cross the placenta and concentrations in neonatal plasma at birth were essentially equal to those in maternal plasma at delivery (see Clinical Pharmacology (12.3)).

Lamivudine: Based on prospective reports to the APR of exposures to lamivudine during pregnancy resulting in live births (including over 5,300 exposed in the first trimester and over 7,400 exposed in the second/third trimester), there was no difference between the overall risk of birth defects for lamivudine compared with the background birth defect rate of 2.7% in the U.S. reference population of the MACDP. The prevalence of birth defects in live births was 3.1% (95% CI: 2.7% to 3.6%) following first trimester exposure to lamivudine-containing regimens and 2.8% (95% CI: 2.5% to 3.3%) following second/third trimester exposure to lamivudine-containing regimens.

Lamivudine pharmacokinetics were studied in pregnant women during 2 clinical trials conducted in South Africa. The trials assessed pharmacokinetics in 16 women at 36 weeks' gestation using 150 mg lamivudine twice daily with zidovudine. 10 women at 38 weeks' gestation using 150 mg lamivudine twice daily with zidovudine and 10 women at 36 weeks' gestation using 150 mg lamivudine once daily without other antiretrovirals. These trials were not designed or powered to provide efficacy information. Lamivudine concentrations were generally similar in maternal, neonatal, and umbilical cord serum samples. In a subset of subjects, amniotic fluid specimens were collected following antenatal administration of lamivudine and confirmed that lamivudine crosses the placenta in humans. Based on limited data at delivery, median (range) amniotic fluid concentrations of lamivudine were 3.9 (1.2 to 12.8)-fold greater compared with paired maternal serum concentration (n = 8).

Animal Data: Abacavir: Abacavir was administered orally to pregnant rats (at 100, 300, and 1,000 mg/kg per day) and rabbits (at 125, 350, or 700 mg/kg per day) during organogenesis (on Gestation Days 6 through 17 and 18 through 20, respectively). Fetal malformations (increased incidences of fetal anasarca and skeletal malformations) or developmental toxicity (decreased fetal body weight and crown-rump length) were observed in rats at doses up to 1,000 mg/kg per day. In rabbits, results were similar to those observed in rats at the recommended daily dose. No developmental effects were observed in rats at 100 mg/kg per day, resulting in exposures (AUC) approximately 4 times the human exposure at the recommended daily dose. Studies in pregnant rats showed that abacavir is transferred to the fetus through the placenta. In pregnant rabbits, no developmental toxicities and no increases in fetal malformations occurred at up to the highest dose evaluated, resulting in exposures (AUC) approximately 9 times the human exposure at the recommended dose.

Lamivudine: Lamivudine was administered orally to pregnant rats (at 90, 600, and 4,000 mg/kg per day) and rabbits (at 90, 300, and 1,000 mg/kg per day and at 15, 40, and 90 mg/kg per day) during organogenesis (on Gestation Days 7 through 16 [rat] and 8 through 20 [rabbit]). No evidence of fetal malformations due to lamivudine was observed in rats and rabbits at doses producing plasma concentrations (C_{max}) approximately 35 times higher than human exposure at the recommended daily dose. Evidence of early embryofetality was seen in the rabbit at systemic exposures (AUC) similar to those observed in humans, but there was no indication of this effect in the rat at plasma concentrations (C_{max}) 35 times higher than human exposure at the recommended daily dose. Studies in pregnant rats showed that lamivudine is transferred to the fetus through the placenta. In the fertility/pre-natal development study in rats, lamivudine was administered orally at doses of 180, 900, and 4,000 mg/kg per day, including from prior to mating through postnatal Day 20). In the study, development of the offspring, including fertility and reproductive performance, were not affected by the maternal administration of lamivudine.

Lactation

8.2 Lactation

The Centers for Disease Control and Prevention recommends that HIV-1-infected mothers in the United States not breast-feed their infants to avoid inadvertent transmission of HIV. A reaction. Abacavir and lamivudine are present in human milk. There is no information on the effects of abacavir and lamivudine on the breastfed infant or the effects of the drug on milk production. Because of the potential for (1) HIV-1 transmission (in HIV-negative infants), (2) developing viral resistance (in HIV-positive infants), and (3) adverse reactions in a breastfed infant similar to those seen in adults, breast mothers not to breastfeed if they are receiving abacavir and lamivudine.

Pediatric Use

The dosing recommendations in this population are based on the safety and efficacy established in a controlled trial conducted using either the combination of EPVIR and ZIAGEN or abacavir and lamivudine (see Dosage and Administration (2.3), Adverse Reactions (6.2), Clinical Studies (14.2)).

In pediatric patients weighing less than 25 kg, use of abacavir and lamivudine as single products is recommended to achieve appropriate dosing.

Geriatric Use

Clinical trials conducted using either the combination of EPVIR and ZIAGEN or abacavir and lamivudine did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. In general, caution should be exercised in the administration of abacavir and lamivudine in elderly patients reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy (see Dosage and Administration (2.4), Use in Specific Populations (6.6, 8.7)).

Patients with Impaired Renal Function

Abacavir and lamivudine is not recommended for patients with creatinine clearance less than 30 mL per min because abacavir and lamivudine is a fixed-dose combination and the dosage of the individual components cannot be adjusted. If a dose reduction of lamivudine, a component of abacavir and lamivudine, is required for patients with creatinine clearance less than 30 mL per min, then the individual components should be used (see Clinical Pharmacology (12.3)).

Patients with a creatinine clearance between 30 and 49 mL per min receiving abacavir and lamivudine may experience an increased risk of lactic acidosis and hepatomegaly with steatosis. In the original lamivudine clinical trial, patients with a creatinine clearance 250 mL per min. There are no safety data from randomized, controlled trials comparing abacavir and lamivudine to the individual components in patients with a creatinine clearance between 30 and 49 mL per min who received abacavir and lamivudine. In patients with a creatinine clearance between 30 and 49 mL per min who receive abacavir and lamivudine should be monitored for hematologic toxicities (neutropenia and anemia), although discontinuations due to neutropenia or anemia each occurred in <1% of subjects. Patients with a sustained creatinine clearance between 30 and 49 mL per min who receive abacavir and lamivudine should be monitored for hematologic toxicities. If new or worsening neutropenia or anemia develop, dose adjustment of lamivudine, per lamivudine prescribing information, is recommended. If lamivudine dose adjustment is indicated, abacavir and lamivudine should be discontinued and the individual components should be used to construct the treatment regimen.

Patients with Impaired Hepatic Function

Abacavir and lamivudine is a fixed-dose combination and the dosage of the individual components cannot be adjusted. If a dose reduction of lamivudine, a component of abacavir and lamivudine, is required for patients with mild hepatic impairment (Child-Pugh Class A), then the individual components should be used (see Clinical Pharmacology (12.3)).

The safety, efficacy, and pharmacokinetic properties of abacavir have not been established in patients with moderate (Child-Pugh Class B) or severe (Child-Pugh Class C) hepatic impairment; therefore, abacavir and lamivudine is contraindicated in these patients (see Contraindications (4)).

OVERDOSAGE

There is no known specific treatment for overdose with abacavir and lamivudine. If overdose occurs, the patient should be monitored, and standard supportive treatment applied as required.

Abacavir: It is not known whether abacavir can be removed by peritoneal dialysis or hemodialysis.

Lamivudine: Because a negligible amount of lamivudine was removed via (4-hour) hemodialysis, continuous ambulatory peritoneal dialysis, or severe (Child-Pugh Class C) hepatic impairment, it is not known if continuous hemodialysis would provide clinical benefit in a lamivudine overdose event.

DESCRIPTION

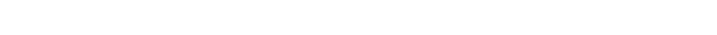
Abacavir and Lamivudine

Abacavir and lamivudine tablets, USP contain the following 2 synthetic nucleoside analogues: abacavir and lamivudine, each a component of TRIZIVIR and lamivudine (also known as EPVIR or 3TC) with inhibitory activity against HIV-1.

Abacavir and lamivudine tablets, USP are for oral administration. Each orange colored, capsule-shaped, biconvex film coated tablet contains the active ingredients 600 mg of abacavir as abacavir sulfate USP and 300 mg of lamivudine USP, and the inactive ingredients magnesium stearate, microcrystalline cellulose, croscarmellose sodium, and sodium starch glycolate. The tablets are coated with a film (OPADRY orange YS-1-13065-A) that is made of FD&C Yellow No. 6, hypromellose, polyethylene glycol 400, polyorbate 80, and titanium dioxide.

Abacavir Sulfate, USP

The chemical name of abacavir sulfate, USP is (1S,4R)-4-(2-cyano-6-(cyclopropylamino)-9H-purin-9-yl)-2-cyclopentene-1-methanol sulfate (salt) (2:1). Abacavir sulfate is the enantiomer with 1S,4R absolute configuration on the cyclopentene ring. It has a molecular formula of C₁₄H₁₈N₆O₄·H₂SO₄ and a molecular weight of 670.74 g/mol. It has the following structural formula:



Abacavir sulfate, USP is a white to almost white powder and is soluble in water.

In vivo, abacavir sulfate dissociates to its free base, abacavir. Dosages are expressed in terms of abacavir.

Lamivudine, USP

The chemical name of lamivudine, USP is (21H)-Pyrimidino[4,5-d]imidazo[1,2-b]hydroxym

