PREZCOBIX®
darunavir and cobicistat) tablets, for oral use

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use PREZCOBIX® safely and effectively. See full prescribing information for PREZCOBIX.

PREZCOBIX (darunavir and cobicistat) tablets, for oral use

Initial U.S. Approval: 2015

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**RECENT MAJOR CHANGES**

DOSAGE AND ADMINISTRATION, Not Recommended During Pregnancy (2.5) 06/2018
Contraindications (4) 05/2019
Warnings and Precautions, Immune Reconstitution Syndrome (5.10) 05/2019

**INDICATIONS AND USAGE**

PREZCOBIX is a two-drug combination of darunavir, a human immunodeficiency virus (HIV-1) protease inhibitor, and cobicistat, a CYP3A inhibitor, and is indicated for the treatment of HIV-1 infection in treatment-naïve and treatment-experienced adults with no darunavir resistance-associated substitutions (V11I, V32I, L33F, I47V, I50V, I54L, I54M, T74P, L76V, I84V, L89V). (1)

**DOSE AND ADMINISTRATION**

Recommended dosage: One tablet taken once daily with food. (2.1)

Testing Prior to Initiation: HIV genotypic testing is recommended for antiretroviral treatment experienced patients. Assess estimated creatinine clearance in all patients prior to starting PREZCOBIX. When used with tenofovir DF: Assess uric acid, glucose and protein at baseline and monitor creatinine clearance, uric acid, and protein. Monitor serum phosphorus in patients with or at risk for renal impairment. (2.2)

**DOSE FORMS AND STRENGTHS**

Tablets: 800 mg of darunavir and 150 mg of cobicistat. (3)

**CONTRAINDICATIONS**

PREZCOBIX is contraindicated in patients receiving certain co-administered drugs for which altered plasma concentrations are associated with serious and/or life-threatening events or loss of therapeutic effect. (4, 7.2)

**WARNINGS AND PRECAUTIONS**

- Drug-induced hepatitis (e.g., acute hepatitis, cytolytic hepatitis), liver injury, including some fatalities can occur with PREZCOBIX. Monitor liver function before and during therapy, especially in patients with underlying chronic hepatitis, cirrhosis, or in patients who have pre-treatment elevations of transaminases. (6.1)

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Revised: 05/2019
PREZCOBIX (darunavir and cobicistat) tablets

FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE


2 DOSAGE AND ADMINISTRATION

2.1 Recommended Dosage

PREZCOBIX is a fixed-dose combination product containing 800 mg of darunavir and 100 mg of cobicistat. In treatment-naïve and treatment-experienced adults with no darunavir resistance-associated substitutions, the recommended dosage of PREZCOBIX is one tablet taken once daily orally with food. Administer PREZCOBIX in conjunction with other antiretroviral agents.

2.2 Testing Prior to Initiation of PREZCOBIX

HIV Genotypic Testing

HIV genotypic testing is recommended for antiretroviral treatment-experienced patients. However, when HIV genotypic testing is not feasible, PREZCOBIX can be used in protease inhibitor-naïve patients, but is not recommended in protease inhibitor-experienced patients.

Creatinine Clearance

Prior to starting PREZCOBIX, assess estimated creatinine clearance because cobicistat decreases estimated creatinine clearance due to inhibition of tubular secretion of creatinine without affecting actual renal glomerular function [see Warnings and Precautions (5.3)]. When co-administering PREZCOBIX with tenofovir disoproxil fumarate (tenofovir DF) assess estimated creatinine clearance, urine glucose, and urine protein at baseline [see Warnings and Precautions (5.4)].

2.3 Not Recommended in Severe Renal Impairment

PREZCOBIX co-administered with tenofovir DF is not recommended in patients who have an estimated creatinine clearance below 70 mL per minute [see Warnings and Precautions (5.4) and Adverse Reactions (6.1)].

2.4 Not Recommended in Severe Hepatic Impairment

PREZCOBIX is not recommended for use in patients with severe hepatic impairment [see Use in Specific Populations (8.6) and Clinical Pharmacology (12.3)].

2.5 Not Recommended During Pregnancy

PREZCOBIX is not recommended during pregnancy because of substantially lower exposures of darunavir and cobicistat during the second and third trimesters [see Use in Specific Populations (8.1) and Clinical Pharmacology (12.3)].

PREZCOBIX should not be initiated in pregnant individuals. An alternative regimen is recommended for those who become pregnant during therapy with PREZCOBIX.

3 DOSAGE FORMS AND STRENGTHS

PREZCOBIX is supplied as pink, oval-shaped, film-coated tablets containing darunavir ethanolate equivalent to 800 mg of darunavir and 150 mg cobicistat. Each tablet is debossed with “800” on one side and “TG” on the other side.

4 CONTRAINDICATIONS

PREZCOBIX is contraindicated in patients receiving the following co-administered drugs [see Drug Interactions (7.3) and Clinical Pharmacology (12.3)].

• Alpha 1-adrenergic receptor antagonist: alfuzosin
• Anticonvulsants: carbamazepine, phenobarbital, phenytoin
• Anti-gout: colchicine, in patients with renal and/or hepatic impairment
• Antimycobacterial: rifampin
• Antipsychotics: luridazine, pimozide
• Cardiac Disorders: dronedarone, ivabradine, ranolazine
• Ergot derivatives, e.g. dihydroergotamine, ergotamine, methylergonovine
• GI motility agent: cisapride
• Herbal product: Hypericum perforatum (Hypericum perforatum)
• Hepatitis C direct acting antiviral: elbasvir/grazoprevir
• Lipid modifying agents: lomitapide, lovastatin, simvastatin
• Opioid Antagonist: naloxegol
• PDE-5 inhibitor: sildenafil when used for treatment of pulmonary arterial hypertension
• Sedatives/hypnotics: orally administered midazolam, triazolam

5 WARNINGS AND PRECAUTIONS

5.1 Hepatotoxicity

During the darunavir clinical development program (N=3063), where darunavir was co-administered with ritonavir 100 mg once or twice daily, drug-induced hepatitis (e.g., acute hepatitis, cytolytic hepatitis) was reported in 0.5% of subjects. Patients with pre-existing liver dysfunction, including chronic active hepatitis B or C, have an increased risk for liver function abnormalities including severe hepatic adverse reactions.
PREZCOBIX (darunavir and cobicistat) tablets

See Table 1 for steps to prevent or manage these possible and known significant drug interactions, including dosing recommendations. Consider the potential for drug interactions prior to and during PREZCOBIX therapy; review concomitant medications during PREZCOBIX therapy; and monitor for the adverse reactions associated with concomitant medications [see Contraindications (4) and Drug Interactions (7)].

When used with concomitant medications, PREZCOBIX may result in different drug interactions than those observed or expected with darunavir co-administered with ritonavir. Complex or unknown mechanisms of drug interactions preclude extrapolation of drug interactions with darunavir co-administered with ritonavir to certain PREZCOBIX interactions [see Drug Interactions (7) and Clinical Pharmacology (12.3)].

5.6 Antiretrovirals Not Recommended

PREZCOBIX is not recommended in combination with other antiretroviral drugs that require pharmacokinetic boosting (i.e., another protease inhibitor or elvitegravir) because dosing recommendations for such combinations have not been established. Co-administration may result in decreased plasma concentrations of the antiretroviral agents, leading to loss of therapeutic effect and development of resistance.

PREZCOBIX is not recommended in combination with products containing the individual components of PREZCOBIX (darunavir and cobicistat) or with ritonavir. For additional recommendations on use of PREZCOBIX with other antiretroviral agents, [see Drug Interactions (7)].

5.7 Sulfur Allergy

Darunavir contains a sulfonamide moiety. Monitor patients with a known sulfonamide allergy after initiating PREZCOBIX. In clinical studies with darunavir co-administered with ritonavir, the incidence and severity of rash were similar in subjects with or without a history of sulfonamide allergy.

5.8 Diabetes Mellitus/Hyperglycemia

New onset diabetes mellitus, exacerbation of pre-existing diabetes mellitus, and hyperglycemia have been reported during postmarketing surveillance in HIV infected patients receiving HIV protease inhibitor (PI) therapy. Some patients required either initiation or dose adjustments of insulin or oral hypoglycemic agents for treatment of these events. In some cases, diabetic ketoacidosis has occurred. In those patients who discontinued PI therapy, hyperglycemia persisted in some cases. Because these events have been reported voluntarily during clinical practice, estimates of frequency cannot be made and causal relationships between HIV PI therapy and these events have not been established.

5.9 Fat Redistribution

Redistribution/accumulation of body fat, including central obesity, dorsocervical fat enlargement (buffalo hump), peripheral wasting, facial wasting, breast enlargement, and “cushingoid appearance” have been observed in patients receiving antiretroviral therapy. The mechanism and long-term consequences of these events are currently unknown. A causal relationship has not been established.

5.10 Immune Reconstitution Syndrome

Immune reconstitution syndrome has been reported in patients treated with combination antiretroviral therapy, including PREZCOBIX. During the initial phase of combination antiretroviral treatment, patients whose immune systems respond may develop an inflammatory response to indolent or residual opportunistic infections (such as Mycobacterium avium infection, cytomegalovirus, Pneumocystis jiroveci pneumonia [PCP], or tuberculosis), which may necessitate further evaluation and treatment. Autoimmune disorders (such as Graves’ disease, polymyositis, Guillain-Barré syndrome and autoimune hepatitis) have also been reported to occur in the setting of immune reconstitution; however, the time to onset is more variable, and can occur many months after initiation of antiretroviral treatment.

5.11 Hemophilia

There have been reports of increased bleeding, including spontaneous skin hematomas and hemorrhath in patients with hemophilia type A and B treated with HIV PIs. In some patients, additional factor VIII was given. In more than half of the reported cases, treatment with HIV PIs was continued or reintroduced if treatment had been discontinued. A causal relationship between PI therapy and these episodes has not been established.

6. ADVERSE REACTIONS

The following adverse reactions are discussed in other sections of the labeling:

• Hepatotoxicity [see Warnings and Precautions (5.1)]
• Severe skin reactions [see Warnings and Precautions (5.2)]
• Effects on serum creatinine [see Warnings and Precautions (5.3)]
• New onset or worsening renal impairment when used with tenofovir DF [see Warnings and Precautions (5.4)]
• Immune Reconstitution Syndrome [see Warnings and Precautions (5.10)]

6.1 Clinical Trials Experience

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

During the darunavir clinical development program, where darunavir was co-administered with ritonavir 100 mg once or twice daily, the most common clinical adverse reactions (incidence greater than or equal to 5%) of at least moderate intensity (greater than or equal to Grade 2) were diarrhea, nausea, rash, headache, abdominal pain, and vomiting. See the darunavir full prescribing information for additional information on adverse reactions reported with darunavir co-administered with ritonavir. See cobicistat full prescribing information for clinical trial information on adverse reactions reported with cobicistat.

One single arm clinical trial was conducted with darunavir and cobicistat administered as single entities in 313 HIV-infected subjects. Adverse reactions evaluated through Week 24 did not differ substantially from those reported in clinical trials with darunavir co-administered with ritonavir.

6.2 Postmarketing Experience

The following events have been identified during post-approval use of darunavir. Because these events are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

7. DRUG INTERACTIONS

7.1 Potential for PREZCOBIX to Affect Other Drugs

Darunavir co-administered with cobicistat is an inhibitor of CYP3A and CYP2D6. Cobicistat inhibits the following transporters: P-glycoprotein (P-gp), BCRP, MATE1, OATP1B1 and OATP1B3. Therefore, co-administration of PREZCOBIX with drugs that are primarily metabolized by CYP3A and/or CYP2D6 or are substrates of P-gp, BCRP, MATE1, OATP1B1 or OATP1B3 may result in increased plasma concentrations of such drugs, which could increase or prolong their therapeutic effect and can be associated with adverse events (see Table 1).

7.2 Potential for Other Drugs to Affect PREZCOBIX

Darunavir is metabolized by CYP3A. Cobicistat is metabolized by CYP3A, and to a minor extent, by CYP2D6. Co-administration of PREZCOBIX and drugs that induce CYP3A activity are expected to increase the clearance of darunavir and cobicistat, resulting in lowered plasma concentrations of darunavir and cobicistat which may lead to loss of therapeutic effect and development of resistance. Co-administration of PREZCOBIX and other drugs that inhibit CYP3A may result in increased plasma concentrations of darunavir and cobicistat (see Table 1).

7.3 Established and Other Potentially Significant Drug Interactions

Table 1 provides dosing recommendations for expected clinically relevant interactions with PREZCOBIX (this table is not all inclusive). These recommendations are based on either drug interaction trials or predicted interactions due to the expected magnitude of interaction and potential for serious adverse events or loss of therapeutic effect. The table includes potentially significant interactions but is not all inclusive. For the list of contraindicated drugs, [see Contraindications (4)].

Table 1: Established and Other Potentially Significant* Drug Interactions: Alterations in Dose or Regimen May Be Recommended

<table>
<thead>
<tr>
<th>Concomitant Drug Class: Drug Name</th>
<th>Effect on Concentration of Darunavir, Cobicistat, or Concomitant Drug</th>
<th>Clinical Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIV-1 antiviral agents: Nucleoside Reverse Transcriptase Inhibitors (NRTIs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>didanosine</td>
<td>↓ darunavir</td>
<td>Didanosine should be administered one hour before or two hours after PREZCOBIX (administered with food).</td>
</tr>
<tr>
<td>efavirenz</td>
<td>↓ cobicistat, ↓ darunavir</td>
<td>Co-administration with efavirenz is not recommended because it may result in loss of therapeutic effect and development of resistance to darunavir.</td>
</tr>
<tr>
<td>etravirine</td>
<td>↓ cobicistat</td>
<td>Co-administration with etravirine is not recommended because it may result in loss of therapeutic effect and development of resistance to darunavir.</td>
</tr>
<tr>
<td>nevirapine</td>
<td>↓ cobicistat, ↓ darunavir: effect unknown</td>
<td>Co-administration with nevirapine is not recommended because it may result in loss of therapeutic effect and development of resistance to darunavir.</td>
</tr>
</tbody>
</table>

HIV-1 antiviral agents: Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTIs) | | |
| didanosine | ↑ cobicistat | |
### Table 1: Established and Other Potentially Significant* Drug Interactions: Alterations in Dose or Regimen May Be Recommended (continued)

<table>
<thead>
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</thead>
<tbody>
<tr>
<td><strong>HIV-1 antiviral agents: CCR5 co-receptor antagonists</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>maraviroc</td>
<td>↑ maraviroc</td>
<td>Maraviroc is a substrate of CYP3A. When co-administered with PREZCOBIX, patients should receive maraviroc 150 mg twice daily.</td>
</tr>
<tr>
<td><strong>Other agents</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alpha 1-adrenoreceptor antagonist: alfuzosin</td>
<td>↑ alfuzosin</td>
<td>Co-administration is contraindicated due to potential for serious and/or life-threatening reactions such as hypotension.</td>
</tr>
<tr>
<td>Antibacterials: clarithromycin, erythromycin, telithromycin</td>
<td>↑ darunavir ↑ cobicistat ↑ antibacterial</td>
<td>Consider alternative antibiotics with concomitant use of PREZCOBIX.</td>
</tr>
<tr>
<td>Anticancer agents: dasatinib, nilotinib</td>
<td>↑ anticancer agent</td>
<td>A decrease in the dosage or an adjustment of the dosing interval of dasatinib or nilotinib may be necessary when co-administered with PREZCOBIX. Consult the dasatinib and nilotinib prescribing information for dosing instructions. For vincristine and vinblastine, consider temporarily withholding the cobicistat-containing antiretroviral regimen in patients who develop significant hematologic or gastrointestinal side effects when PREZCOBIX is administered concurrently with vincristine or vinblastine. If the antiretroviral regimen must be withheld for a prolonged period, consider initiating a revised regimen that does not include a CYP3A or P-gp inhibitor.</td>
</tr>
<tr>
<td>vinblastine, vincristine</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Anticoagulants:</strong> Direct Oral Anticoagulants (DOACs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apixaban</td>
<td>↑ apixaban</td>
<td>Due to potentially increased bleeding risk, dosing recommendations for co-administration of apixaban with PREZCOBIX depends on the apixaban dose. Refer to apixaban dosing instructions for co-administration with strong CYP3A and P-gp inhibitors in apixaban prescribing information.</td>
</tr>
<tr>
<td>rivaroxaban</td>
<td>↑ rivaroxaban</td>
<td>Co-administration of rivaroxaban with PREZCOBIX is not recommended because it may lead to an increased bleeding risk. No dose adjustment is needed when rivaroxaban, dabigatran, or edoxaban is co-administered with PREZCOBIX.</td>
</tr>
<tr>
<td>betrixaban</td>
<td>↔ betrixaban</td>
<td>Monitor the international normalized ratio (INR) when co-administering with warfarin.</td>
</tr>
<tr>
<td>dabigatran etexilate</td>
<td>↔ dabigatran</td>
<td></td>
</tr>
<tr>
<td>edoxaban</td>
<td>↔ edoxaban</td>
<td></td>
</tr>
<tr>
<td>warfarin: effect unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Antidepressants:</strong> Tricyclic Antidepressants (TCAs):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e.g. amitriptyline, desipramine, imipramine, nortriptyline</td>
<td>↑ trazodone</td>
<td></td>
</tr>
<tr>
<td><strong>Other antidepressants:</strong> trazodone</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Antifungals:</strong> Antifungals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>itraconazole, isavuconazole, ketoconazole, posaconazole</td>
<td>↑ darunavir ↑ cobicistat</td>
<td>Monitor for increased darunavir or cobicistat and/or antifungal adverse reactions.</td>
</tr>
<tr>
<td>voriconazole</td>
<td>↔ posaconazole voriconazole: effects unknown</td>
<td>Co-administration with voriconazole is not recommended unless benefit/risk assessment justifies the use of voriconazole.</td>
</tr>
<tr>
<td><strong>Anticonvulsants with CYP3A induction:</strong> e.g. eslicarbazepine, oxcarbazepine</td>
<td>↑ cobicistat darunavir: effect unknown</td>
<td></td>
</tr>
<tr>
<td><strong>Antidepressants:</strong> Selective Serotonin Reuptake Inhibitors (SSRIs): e.g. paroxetine, sertraline</td>
<td>SSRIs: effects unknown</td>
<td>When co-administering with SSRIs, TCAs, or trazodone, careful dose titration of the antidepressant to the desired effect, including the lowest feasible initial or maintenance dose, and monitoring for antidepressant response are recommended.</td>
</tr>
<tr>
<td><strong>Anticonvulsants that are metabolized by CYP3A:</strong> e.g. clonazepam</td>
<td>↑ clonazepam</td>
<td>Clinical monitoring of anticonvulsants is recommended.</td>
</tr>
<tr>
<td><strong>Anticonvulsants with CYP3A induction:</strong> e.g. eslicarbazepine, oxcarbazepine</td>
<td></td>
<td></td>
</tr>
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*Alterations in Dose or Regimen May Be Recommended (continued)*
**Table 1: Established and Other Potentially Significant Drug Interactions: Alterations in Dose or Regimen May Be Recommended (continued)**

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<th>Effect on Concentration of Darunavir, Cobicistat, or Concomitant Drug</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Anti-gout: colchicine</td>
<td>↑ colchicine</td>
<td>Co-administration is contraindicated in patients with renal and/or hepatic impairment due to potential for serious and/or life-threatening reactions. For patients without renal or hepatic impairment:  - Treatment of gout flares – co-administration of colchicine: 0.6 mg (1 tablet) x 1 dose, followed by 0.3 mg (half tablet) 1 hour later. Treatment course to be repeated no earlier than 3 days.  - Treatment of familial Mediterranean fever – co-administration of colchicine: If the original regimen was 0.6 mg twice a day, the regimen should be adjusted to 0.3 mg once a day. If the original regimen was 0.6 mg once a day, the regimen should be adjusted to 0.3 mg once every other day.</td>
</tr>
<tr>
<td>Antimalarial: artemether/ lumefantrine</td>
<td>artemether: effect unknown, lumefantrine: effect unknown</td>
<td>Monitor for potential decrease of antimalarial efficacy or potential QT prolongation.</td>
</tr>
<tr>
<td>Antimycobacterials: rifampin</td>
<td>↓ darunavir, ↑ cobicistat</td>
<td>Co-administration is contraindicated due to potential for loss of therapeutic effect and development of resistance. When used in combination with PREZCOBIX, the recommended dose of rifabutin is 150 mg every other day. Monitor for rifabutin-associated adverse reactions including neutropenia and uveitis.</td>
</tr>
<tr>
<td>rifabutin</td>
<td>↑ rifabutin cobicistat: effects unknown, darunavir: effects unknown</td>
<td>Co-administration with rifabutin is not recommended.</td>
</tr>
<tr>
<td>rifapentine</td>
<td>↓ darunavir</td>
<td>Co-administration is contraindicated due to potential for serious and/or life-threatening reactions.</td>
</tr>
<tr>
<td>Antipsychotics: lurasidone</td>
<td>↑ lurasidone</td>
<td>Co-administration is contraindicated due to potential for serious and/or life-threatening reactions.</td>
</tr>
<tr>
<td>pimozide</td>
<td>↑ pimozide</td>
<td>Co-administration is contraindicated due to potential for serious and/or life-threatening reactions such as cardiac arrhythmias. A decrease in the dose of antipsychotics that are metabolized by CYP3A or CYP2D6 may be needed when co-administered with PREZCOBIX.</td>
</tr>
<tr>
<td>e.g. perphenazine, risperidone, thioridazine</td>
<td>↑ antipsychotic</td>
<td></td>
</tr>
</tbody>
</table>
### Table 1: Established and Other Potentially Significant* Drug Interactions: Alterations in Dose or Regimen May Be Recommended (continued)

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<th>Effect on Concentration of Darunavir, Cobicistat, or Concomitant Drug</th>
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</thead>
<tbody>
<tr>
<td><strong>Systemic/Inhaled/Nasal/Ophthalmic Corticosteroids:</strong> e.g. betamethasone budesonide ciclesonide dexamethasone fluticasone methylprednisolone mometasone triamcinolone</td>
<td>↓ darunavir † cobicistat † corticosteroids</td>
<td>Co-administration with systemic dexamethasone or other systemic corticosteroids that induce CYP3A may result in loss of therapeutic effect and development of resistance to PREZCOBIX. Consider alternative corticosteroids. Co-administration with corticosteroids of which exposures are significantly increased by strong CYP3A inhibitors can increase the risk for Cushing’s syndrome and adrenal suppression. Alternative corticosteroids including beclomethasone, prednisone and prednisolone (for which PK and/or PD are less affected by strong CYP3A inhibitors relative to other steroids) should be considered, particularly for long term use.</td>
</tr>
<tr>
<td><strong>Endothelin receptor antagonists:</strong> bosentan</td>
<td>↓ darunavir † cobicistat † bosentan</td>
<td>Initiation of bosentan in patients taking PREZCOBIX. In patients who have been receiving PREZCOBIX for at least 10 days, start bosentan at 62.5 mg once daily or every other day based upon individual tolerability. Co-administration of PREZCOBIX in patients on bosentan: Discontinue use of bosentan at least 38 hours prior to initiation of PREZCOBIX. After at least 10 days following the initiation of PREZCOBIX, resume bosentan at 62.5 mg once daily or every other day based upon individual tolerability. Switching from darunavir co-administered with ritonavir to PREZCOBIX in patients on bosentan: Maintain bosentan dose.</td>
</tr>
<tr>
<td><strong>Ergot derivatives:</strong> e.g. dihydroergotamine, ergotamine, methylergonostrine</td>
<td>↑ ergot derivatives</td>
<td>Co-administration is contraindicated due to potential for serious and/or life-threatening reactions such as peripheral vasoconstriction and ischemia of the extremities and other tissues.</td>
</tr>
<tr>
<td><strong>GI motility agent:</strong> cisapride</td>
<td>† cisapride</td>
<td>Co-administration is contraindicated due to potential for serious and/or life-threatening reactions such as cardiac arrhythmias.</td>
</tr>
<tr>
<td><strong>Hormonal contraceptives:</strong></td>
<td></td>
<td>Additional or alternative (non-hormonal) forms of contraception should be considered when estrogen-containing contraceptives are co-administered with PREZCOBIX (see Use in Specific Populations (8.3)). For co-administration with drospirenone, clinical monitoring is recommended due to the potential for hyperkalemia.</td>
</tr>
<tr>
<td><strong>Immunosuppressants:</strong> cyclosporine, sirolimus, tacrolimus</td>
<td>↑ immunosuppressants</td>
<td>These immunosuppressant agents are metabolized by CYP3A. Therapeutic drug monitoring is recommended with concomitant use.</td>
</tr>
<tr>
<td><strong>Immunosuppressant/neoplastic:</strong> everolimus, irinotecan</td>
<td>↑ immunosuppressants</td>
<td>Co-administration is contraindicated due to potential for serious adverse drug interactions. Discontinue PREZCOBIX at least 1 week prior to starting irinotecan therapy. Do not administer PREZCOBIX with irinotecan unless there are no therapeutic alternatives.</td>
</tr>
<tr>
<td><strong>Inhaled beta agonist:</strong> salmeterol</td>
<td>↑ salmeterol</td>
<td>Co-administration with salmeterol is not recommended and may result in increased risk of cardiovascular adverse events associated with salmeterol, including QT prolongation, palpitations, and sinus tachycardia.</td>
</tr>
</tbody>
</table>

---

*Immunosuppressants These immunosuppressant agents are metabolized by CYP3A. Therapeutic drug monitoring is recommended with concomitant use.
### Table 1: Established and Other Potentially Significant Drug Interactions: Alterations in Dose or Regimen May Be Recommended (continued)

<table>
<thead>
<tr>
<th>Lipid Modifying Agents</th>
<th>Effect on Concentration of Darunavir, Cobicistat, or Concomitant Drug</th>
<th>Clinical Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMG-CoA reductase inhibitor: lovastatin, simvastatin</td>
<td>↑ lovastatin ↑ simvastatin</td>
<td>Co-administration is contraindicated due to potential for serious reactions such as myopathy including rhabdomyolysis. For atorvastatin, fluvastatin, pitavastatin, pravastatin, and rosuvastatin, start with the lowest recommended dose and titrate while monitoring for safety (e.g. myopathy). Dosage recommendations with atorvastatin or rosuvastatin are as follows: • atorvastatin dosage should not exceed 20 mg/day • rosuvastatin dosage should not exceed 20 mg/day</td>
</tr>
<tr>
<td>HMG-CoA reductase inhibitor: atorvastatin, fluvastatin, pitavastatin, pravastatin, rosuvastatin</td>
<td>↑ atorvastatin ↑ fluvastatin ↑ pravastatin ↑ rosuvastatin ↑ pitavastatin: effect unknown</td>
<td>Co-administration is contraindicated due to potential for markedly increased transaminases associated with increased plasma concentrations of lomitapide.</td>
</tr>
<tr>
<td>Other lipid modifying agents: lomitapide</td>
<td>↑ lomitapide</td>
<td></td>
</tr>
<tr>
<td>Narcotic analgesics metabolized by CYP3A: e.g. fentanyl, oxycodone</td>
<td>↑ fentanyl ↑ oxycodone</td>
<td>Careful monitoring of therapeutic effects and adverse reactions associated with CYP3A-metabolized narcotic analgesics (including potentially fatal respiratory depression) is recommended with co-administration. A dose decrease may be needed for tramadol with concomitant use.</td>
</tr>
<tr>
<td>Narcotic analgesic for treatment of opioid dependence: buprenorphine, buprenorphine/naloxone, methadone</td>
<td>buprenorphine or buprenorphine/naloxone: effects unknown methadone: effects unknown</td>
<td></td>
</tr>
<tr>
<td>Opioid Antagonist naloxegol</td>
<td>↑ naloxegol</td>
<td>Co-administration of PREZCOBIX and naloxegol is contraindicated due to potential for precipitating opioid withdrawal symptoms.</td>
</tr>
</tbody>
</table>

**Table 2:**

| Phosphodiesterase PDE-5 inhibitors: e.g. avanafil, sildenafil, tadalafil, vardenafil | ↑ PDE-5 inhibitors | Co-administration with avanafil is not recommended because a safe and effective avanafil dosage regimen has not been established. Co-administration with PDE-5 inhibitors may result in an increase in PDE-5 inhibitor-associated adverse reactions including hypotension, syncpe, visual disturbances and priapism. Use of PDE-5 inhibitors for pulmonary arterial hypertension (PAH): Co-administration with sildenafil used for PAH is contraindicated due to potential for sildenafil associated adverse reactions (which include visual disturbances, hypotension, prolonged erection, and syncpe). The following dose adjustments are recommended for use of tadalafil with PREZCOBIX: • Initiation of tadalafil in patients taking PREZCOBIX: in patients receiving PREZCOBIX for at least one week, start tadalafil at 20 mg once daily. Increase to 40 mg once daily based upon individual tolerability. • Initiation of PREZCOBIX in patients taking tadalafil: Avoid use of tadalafil during the initiation of PREZCOBIX. Stop tadalafil at least 24 hours prior to starting PREZCOBIX. After at least one week following the initiation of PREZCOBIX, resume tadalafil at 20 mg once daily. Increase to 40 mg once daily based upon individual tolerability. • Patients switching from buprenorphine co-administered with ritonavir to PREZCOBIX: Maintain tadalafil dose. Use of PDE-5 inhibitors for erectile dysfunction: Sildenafil at a single dose not exceeding 25 mg in 48 hours, vardenafil at a single dose not exceeding 2.5 mg dose in 72 hours, or tadalafil at a single dose not exceeding 10 mg dose in 72 hours can be used with increased monitoring for PDE-5 inhibitor-associated adverse reactions. | |
| Platelet aggregation inhibitor: ticagrelor | ↑ ticagrelor | Co-administration of PREZCOBIX and ticagrelor is not recommended. | |

<table>
<thead>
<tr>
<th>Clinical Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiation of PREZCOBIX in patients taking buprenorphine, buprenorphine/naloxone or methadone: A dose adjustment for buprenorphine, buprenorphine/naloxone or methadone may be needed. Monitor clinical signs and symptoms.</td>
</tr>
<tr>
<td>Initiation of PREZCOBIX in patients taking buprenorphine, buprenorphine/naloxone or methadone: Carefully titrate the dose of buprenorphine, buprenorphine/naloxone or methadone to the desired effect; use the lowest feasible initial or maintenance dose.</td>
</tr>
<tr>
<td>Initiation of PREZCOBIX in patients taking buprenorphine, buprenorphine/naloxone or methadone: in patients receiving PREZCOBIX for at least one week, start tadalafil at 20 mg once daily. Increase to 40 mg once daily based upon individual tolerability.</td>
</tr>
</tbody>
</table>
PREZCOBIX (darunavir and cobicistat) tablets

**Table 1: Established and Other Potentially Significant Drug Interactions: Alterations in Dose or Regimen May Be Recommended (continued)**

<table>
<thead>
<tr>
<th>Concomitant Drug Class: Drug Name</th>
<th>Effect on Concentration of Darunavir, Cobicistat, or Concomitant Drug</th>
<th>Clinical Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sedatives/hypnotics: orally administered midazolam, triazolam</td>
<td>↑ midazolam ↑ triazolam</td>
<td>Co-administration is contraindicated due to potential for serious and/or life-threatening reactions such as prolonged or increased sedation or respiratory depression. Triazolam and orally administered midazolam are extensively metabolized by CYP3A. Co-administration of triazolam or orally administered midazolam with PREZCOBIX may cause large increases in the concentrations of these benzodiazepines.</td>
</tr>
<tr>
<td>Metabolized by CYP3A: e.g. buspirone, diazepam, estazolam, zolpidem</td>
<td>↑ sedatives/hypnotics</td>
<td>With concomitant use, titration is recommended with sedatives/hypnotics metabolized by CYP3A and a lower dose of the sedatives/hypnotics should be considered with monitoring for increased and prolonged effects or adverse reactions.</td>
</tr>
<tr>
<td>Parenterally administered midazolam</td>
<td></td>
<td>Co-administration of parenteral midazolam should be done in a setting that ensures close clinical monitoring and appropriate medical management in case of respiratory depression and/or prolonged sedation. Dose reduction for parenteral midazolam should be considered, especially if more than a single dose of midazolam is administered.</td>
</tr>
<tr>
<td>Urinary antispasmodics</td>
<td>↑ fesoterodine ↑ solifenacin</td>
<td>When fesoterodine is co-administered with PREZCOBIX, do not exceed a fesoterodine dose of 4 mg once daily. When solifenacin is co-administered with PREZCOBIX, do not exceed a solifenacin dose of 5 mg once daily.</td>
</tr>
</tbody>
</table>

* this table is not all inclusive

7.4 Drugs without Clinically Significant Interactions with PREZCOBIX

Clinically relevant drug-drug interactions have not been observed or are not anticipated with concomitant use of darunavir and cobicistat with rilpivirine, dolutegravir, raltegravir, abacavir, emtricitabine, emtricitabine/tenofovir alafenamide, tenofovir DF, lamivudine, stavudine, zidovudine, or acid modifying medications (antacids, H₂-receptor antagonists, proton pump inhibitors).

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

**Pregnancy Exposure Registry**

There is a pregnancy exposure registry that monitors pregnancy outcomes in individuals exposed to PREZCOBIX during pregnancy. Healthcare providers are encouraged to register patients by calling the Antiretroviral Pregnancy Registry (APR) 1-800-258-4283.

**Risk Summary**

There are insufficient data with PREZCOBIX in pregnant individuals from the APR to inform a drug-associated risk of pregnancy outcomes. Available data from the APR show no difference in rate of major birth defects of 2.7% in a U.S. reference population of the Metropolitan Atlanta Congenital Defects Program (MACDP) (see Data). 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 15-20%. The background risk of major birth defects and miscarriage for the indicated population is unknown.

In animal reproduction studies, no adverse developmental effects were observed when the components of PREZCOBIX were administered separately at darunavir exposures less than 1 (mice and rabbits) and 3-times (rats), and at cobicistat exposures 1.8 (rats) and 3.8 (rabbits) times human exposures at the recommended daily dose of these components in PREZCOBIX (see Data). No adverse developmental effects were seen when cobicistat was administered to rats through lactation at cobicistat exposures up to 1.2 times the human exposure at the recommended therapeutic dose.

**Clinical Considerations**

**Not Recommended During Pregnancy**

PREZCOBIX should not be recommended for use during pregnancy because of substantially lower exposures of darunavir and cobicistat during pregnancy (see Data) and [see Clinical Pharmacology (12.3)].

PREZCOBIX should not be initiated in pregnant individuals. An alternative regimen is recommended for individuals who become pregnant during therapy with PREZCOBIX.

**Data**

**Human Data**

Darunavir/Cobicistat: PREZCOBIX in combination with a background regimen was evaluated in a clinical trial of 7 pregnant individuals taking PREZCOBIX prior to enrollment and who were willing to remain on PREZCOBIX throughout the study. The study period included the second and third trimesters, and through 12 weeks postpartum. Six pregnant individuals completed the trial.

Exposure to darunavir and cobicistat as part of an antiretroviral regimen was substantially lower during the second and third trimesters of pregnancy compared with postpartum [see Clinical Pharmacology (12.3)].

One out of 6 pregnant individuals who completed the study experienced virologic failure with HIV-1 RNA >1,000 copies/mL from the third trimester visit through the postpartum period. Five pregnant individuals had sustained virologic response (HIV RNA <50 copies/mL) throughout the study period. There are no clinical data on the virologic response when PREZCOBIX is initiated during pregnancy.

There were no new clinically relevant safety findings compared with the known safety profile of PREZCOBIX in HIV-1-infected adults.

**Darunavir:** Based on prospective reports to the APR of 679 live births following exposure to darunavir-containing regimens during pregnancy (including 425 exposed in the first trimester and 254 exposed in the second/third trimester), there was no difference in rate of overall birth defects for darunavir compared with the background rate for major birth defects in a U.S. reference population of the MACDP.

The prevalence of birth defects in live births was 2.1% (95% CI: 1.0% to 4.0%) with first trimester exposure to darunavir-containing regimens and 2.4% (95% CI: 0.9% to 5.1%) with second/third trimester exposure to darunavir-containing regimens.

**Cobicistat:** Insufficient numbers of pregnancies with exposure to cobicistat have been reported to the APR to estimate the rate of birth defects.

**Animal Data**

Darunavir: Reproduction studies conducted with darunavir showed no embryotoxicity or teratogenicity in mice (doses up to 1000 mg/kg from gestation day (GD) 6-15 with darunavir alone) and rats (doses up to 1000 mg/kg from GD 7-19 in the presence or absence of ritonavir) as well as in rabbits (doses up to 75 mg/kg/day on GD 6-17). Increases in post-implantation loss and decreased fetal weights were observed at a maternal toxic dose of 125 mg/kg/day. No malformations were noted at doses up to 125 mg/kg/day in pregnant females. 1.6 times higher than human exposures at the recommended daily dose of cobicistat.

In pregnant rabbits, cobicistat was administered orally at doses up to 125 mg/kg/day on GD 6-17. Increases in post-implantation loss and decreased fetal weights were observed at a maternal toxic dose of 125 mg/kg/day. No malformations were noted at doses up to 125 mg/kg/day. Systemic exposures (AUC) at 50 mg/kg/day in pregnant females were 3.8 times higher than human exposures at the recommended daily dose of cobicistat.

In a pre/postnatal developmental study in rats, cobicistat was administered orally at doses up to 75 mg/kg from GD 6 to postnatal day 20, 21, or 22. At doses of 75 mg/kg/day, neither maternal nor developmental toxicity was noted. Systemic exposures (AUC) at this dose were 1.2 times the human exposures at the recommended daily dose of cobicistat.
PREZCOBIX (darunavir and cobicistat) tablets

8.2 Lactation
Risk Summary
The Centers for Disease Control and Prevention recommend that HIV infected mothers in the United States not breastfeed their infants to avoid risking postnatal transmission of HIV.

There are no data on the presence of darunavir or cobicistat in human milk, the effects on the breastfed infant, or the effects on milk production. Darunavir and cobicistat are present in the milk of lactating rats (see Data). Because of the potential for (1) HIV transmission (in HIV-negative infants), (2) developing viral resistance (in HIV-positive infants), and (3) serious adverse reactions in breastfed infants, instruct mothers not to breastfeed if they are receiving PREZCOBIX.

Data
Animal Data
Darunavir: Studies in rats (with darunavir alone or with ritonavir) have demonstrated that darunavir is excreted in milk. In the rat pre- and postnatal development study, a reduction in pup body weight gain was observed due to exposure of pups to drug substances via milk. The maximal maternal plasma exposures achieved with darunavir (up to 1000 mg/kg) with ritonavir were approximately 50% of those obtained in humans at the recommended clinical dose of darunavir with ritonavir.
Cobicistat: During the pre/postnatal developmental toxicity study at doses up to 75 mg/kg/day, mean cobicistat milk to plasma ratio of up to 1.9 was measured 2 hours after administration to rats on lactation day 10.

8.3 Females and Males of Reproductive Potential
Contraception
Additional or alternative (non-hormonal) forms of contraception should be considered when estrogen-containing contraceptives are co-administered with PREZCOBIX. For co-administration with drospirenone, clinical monitoring is recommended due to the potential for hyperkalemia. No data are available to make recommendations on co-administration with other hormonal contraceptives (see Drug Interactions (17.3)).

8.4 Pediatric Use
Safety, effectiveness, and pharmacokinetics of PREZCOBIX in pediatric patients less than 18 years of age have not been established. Darunavir, a component of PREZCOBIX is not recommended in pediatric patients below 3 years of age because of toxicity and mortality observed in juvenile rats dosed with darunavir.
Juvenile Animal Toxicity Data
Darunavir: In a juvenile toxicity study where rats were directly dosed with darunavir (up to 1000 mg/kg), deaths occurred from post-natal day 5 at plasma exposure levels ranging from 0.1 to 1.0 of the human exposure levels. In a 4-week rat toxicity study, when dosing was initiated on post-natal day 23 (the human equivalent of 2 to 3 years of age), no deaths were observed with a plasma exposure (in combination with ritonavir) 2 times the human plasma exposure levels.

8.5 Geriatric Use
Clinical trials of PREZCOBIX did not include sufficient numbers of patients aged 65 and over to determine whether they respond differently from younger patients. In general, caution should be exercised in the administration and monitoring of PREZCOBIX in elderly patients, reflecting the greater frequency of decreased hepatic function, and of concomitant disease or other drug therapy (see Clinical Pharmacology (12.3)).

8.6 Hepatic Impairment
No clinical trials were conducted with darunavir co-administered with cobicistat in hepatically impaired subjects and the effect of hepatic impairment on darunavir exposure when co-administered with cobicistat has not been evaluated. Based on the recommendations for darunavir co-administered with ritonavir, a dose adjustment for patients with mild or moderate hepatic impairment is not necessary. No pharmacokinetic or safety data are available regarding the use of darunavir in subjects with severe hepatic impairment. Therefore, PREZCOBIX is not recommended for use in patients with severe hepatic impairment (see Clinical Pharmacology (12.3)).

8.7 Renal Impairment
A renal impairment trial was not conducted for darunavir co-administered with cobicistat (see Clinical Pharmacology (12.3)). Cobicistat has been shown to decrease estimated creatinine clearance without affecting actual renal glomerular function. Dosing recommendations are not available for drugs that require dosage adjustment for renal impairment when used in combination with PREZCOBIX (see Warnings and Precautions (5.3) and Clinical Pharmacology (12.2)).

10 OVERDOSAGE
Human experience of acute overdose with PREZCOBIX is limited. No specific antidote is available for overdose with PREZCOBIX. Treatment of overdose with PREZCOBIX consists of general supportive measures including monitoring of vital signs and observation of the clinical status of the patient. Since both darunavir and cobicistat are highly protein bound, dialysis is unlikely to be beneficial in significant removal of the active substance.

11 DESCRIPTION
PREZCOBIX is a fixed-dose combination tablet containing darunavir and cobicistat. Darunavir is an inhibitor of the human immunodeficiency virus (HIV-1) protease. Cobicistat is a mechanism-based inhibitor of cytochrome P450 (CYP) enzymes of the CYP3A family.

PREZCOBIX tablets are for oral administration. Each tablet contains darunavir ethanolate equivalent to 800 mg of darunavir and 150 mg of cobicistat. The tablets include the following inactive ingredients: colloidal silicon dioxide, crospovidone, hypromellose, magnesium stearate, and silicified microcrystalline cellulose. The tablets are film-coated with a coating material containing iron oxide black, iron oxide red, polyethylene glycol, polyvinyl alcohol (partially hydrolyzed), talc, and titanium dioxide.

Darunavir: Darunavir, in the form of darunavir ethanolate, has the following chemical name: \([\text{H}_{22}\text{N}_{4}\text{O}_{3}]\cdot\text{C}_{2}\text{H}_{4}\text{OH}\), and its molecular weight is 593.73. Darunavir ethanolate has the following structural formula:

![Darunavir Structural Formula](image)

Cobicistat: Cobicistat is adsorbed onto silicon dioxide. The chemical name for cobicistat is 1,3-thiazol-5-ylmethyl\([\text{H}_{22}\text{N}_{4}\text{O}_{3}]\cdot\text{C}_{2}\text{H}_{4}\text{OH}\), and its molecular weight is 776.0. It has the following structural formula:

![Cobicistat Structural Formula](image)

PREZCOBIX (darunavir and cobicistat) tablets
PREZCOBIX (darunavir and cobicistat) tablets

12.3 Pharmacokinetics

The pharmacokinetics of darunavir co-administered with cobicistat (150 mg) have been evaluated in healthy adult subjects and in HIV-1 infected subjects. Darunavir is primarily metabolized by CYP3A. Cobicistat inhibits CYP3A, thereby increasing the plasma concentrations of darunavir.

Under fed (535 total kcal, 171 kcal from fat, 268 kcal from carbohydrates, 96 kcal from protein) and fasted conditions in healthy subjects, the 90% confidence intervals when comparing darunavir exposure between PREZCOBIX and darunavir 800 mg co-administered with cobicistat 150 mg as single entities were within 80-125%.

Darunavir exposure when comparing darunavir co-administered with cobicistat (as single entities) to darunavir co-administered with ritonavir was evaluated in a relative bioavailability trial [see cobicistat full prescribing information]. Table 2 displays the population pharmacokinetic estimates of darunavir after oral administration of darunavir 800 mg co-administered with ritonavir 100 mg once daily (based on sparse sampling in 335 subjects in Trial TMC114-C211 and 280 subjects in Trial TMC114-C229) and darunavir 800 mg co-administered with cobicistat 150 mg once daily administered as single entities (based on sparse sampling in 298 subjects in Trial GS-US-216-0130) to HIV-1 infected subjects.

Table 2: Population Pharmacokinetic Estimates of Darunavir as Darunavir 800 mg Co-administered with Ritonavir 100 mg Once Daily (Trial TMC114-C211, 48 Week Analysis and Trial TMC114-C229, 48 Week Analysis) and Darunavir 800 mg Co-administered with Cobicistat 150 mg Once Daily (Trial GS-US-216-130, 24 Week Analysis)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Trial TMC114-C211 (treatment-naïve)</th>
<th>Darunavir 800 mg co-administered with ritonavir 100 mg once daily N=335</th>
<th>Trial TMC114-C229 (treatment-experienced)</th>
<th>Darunavir 800 mg co-administered with ritonavir 100 mg once daily N=280</th>
<th>Trial GS-US-216-0130 (treatment-naïve and experienced)</th>
<th>Darunavir 800 mg co-administered with cobicistat 150 mg once daily N=298</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUC_C0 (ng∙h/mL)</td>
<td>17911 ± 10150</td>
<td>19064 ± 11350</td>
<td>8763 ± 8460</td>
<td>8965 ± 9500</td>
<td>10156 ± 10670</td>
<td>10015 ± 10270</td>
</tr>
<tr>
<td>Mean ± Standard Deviation</td>
<td>93026 ± 27050</td>
<td>93334 ± 28626</td>
<td>97788 ± 45321</td>
<td>96900 ± 34500</td>
<td>100152 ± 32042</td>
<td>9926 ± 24000</td>
</tr>
<tr>
<td>Median (Range)</td>
<td>87354 (45001-219240)</td>
<td>87788 (45456-236920)</td>
<td>96980 (34500-224000)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C0 (ng/mL)</td>
<td>2282 ± 1168</td>
<td>2160 ± 1201</td>
<td>2043 ± 1257</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean ± Standard Deviation</td>
<td>2041 (368-7242)</td>
<td>1896 (184-7881)</td>
<td>1875 (70-6890)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median (Range)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

N=number of subjects with data

Absorption and Bioavailability

In healthy subjects, under fed conditions, when single doses of the darunavir and cobicistat fixed dose combination tablet were administered, the maximum plasma concentration was achieved within approximately 4 to 4.5 hours for darunavir and approximately 4 to 5 hours for cobicistat.

Effects of Food on Oral Absorption

When compared to fasted conditions, administration of PREZCOBIX to healthy adult subjects with a high-fat meal (965 total kcal: 129 kcal from protein, 236 kcal from carbohydrates and 600 kcal from fat) resulted in a 70% increase in AUC_C0 and a 127% increase in C0 at 4 hours for darunavir. Cobicistat exposures were not affected by food. PREZCOBIX should be taken with food.

Distribution

Darunavir: Darunavir is approximately 95% bound to plasma proteins. Darunavir binds primarily to plasma alpha 1-acid glycoprotein (AAG).

Cobicistat: Cobicistat is 97-98% bound to human plasma proteins and the mean blood-to-plasma ratio was approximately 0.5.

Metabolism

Darunavir: In vitro experiments with human liver microsomes (HLMs) indicate that darunavir primarily undergoes oxidative metabolism. Darunavir is extensively metabolized by CYP enzymes, primarily by CYP3A. A mass balance trial in healthy subjects showed that after single dose administration of 400 mg 14C-darunavir co-administered with 100 mg ritonavir, the majority of the radioactivity in the plasma was due to darunavir. At least 3 oxidative metabolites of darunavir have been identified in humans; all showed activity that was at least 90% less than the activity of darunavir against wild-type HIV-1.

Cobicistat: Cobicistat is metabolized by CYP3A and to a minor extent by CYP2D6 enzymes and does not undergo glucuronidation.

PREZCOBIX (darunavir and cobicistat) tablets

Elimination

Darunavir: A mass balance trial in healthy subjects showed that after single dose administration of 400 mg 14C-darunavir co-administered with 100 mg ritonavir, approximately 79.5% and 13.9% of the administered dose of 14C-darunavir was recovered in the feces and urine, respectively. Unchanged darunavir accounted for approximately 41.2% and 7.7% of the administered dose in feces and urine, respectively.

When single doses of the darunavir and cobicistat fixed dose combination tablet were administered, the terminal elimination half-life of darunavir was approximately 7 hours under fed conditions.

Cobicistat: When single doses of the darunavir and cobicistat fixed dose combination tablet were administered, the terminal elimination half-life of cobicistat was approximately 4 hours under fed conditions. With single dose administration of 14C-cobicistat after multiple dosing of cobicistat for six days, the percent of the administered dose excreted in feces and urine was 86.2% and 8.2%, respectively.

Specific Populations

Hepatic Impairment

Darunavir: Darunavir is primarily metabolized by the liver. The steady-state pharmacokinetic parameters of darunavir were similar after multiple dose co-administration of darunavir 800 mg co-administered with ritonavir 100 mg twice daily to subjects with normal hepatic function (n=18), mild hepatic impairment (Child-Pugh Class A, n=8), and moderate hepatic impairment (Child-Pugh Class B, n=8). The effect of severe hepatic impairment on the pharmacokinetics of darunavir has not been evaluated [see Use in Specific Populations (8.6)].

Cobicistat: Cobicistat is primarily metabolized by the liver. A trial evaluating the pharmacokinetics of cobicistat was performed in non-HIV-1 infected subjects with moderate hepatic impairment. No clinically relevant differences in cobicistat pharmacokinetics were observed between subjects with moderate hepatic impairment (Child-Pugh Class B) and healthy subjects. The effect of severe hepatic impairment on the pharmacokinetics of cobicistat has not been evaluated [see Use in Specific Populations (8.6)].

Hepatitis B or Hepatitis C Virus Co-Infection

Darunavir: In HIV-infected subjects taking darunavir co-administered with ritonavir, the 48 week analysis of the data from clinical studies in HIV-1 infected subjects indicated that hepatitis B and/or hepatitis C virus co-infection status had no apparent effect on the exposure of darunavir.

The effect of hepatitis B and/or C virus infection on the pharmacokinetics of PREZCOBIX have not been evaluated.

Renal Impairment

Darunavir: Population pharmacokinetic analysis showed that the pharmacokinetics of darunavir were not significantly affected in HIV-1 infected subjects with moderate renal impairment taking darunavir co-administered with ritonavir (creatinine clearance between 30-60 mL/min, n=20). There are no pharmacokinetic data available in HIV-1 infected patients with severe renal impairment or end stage renal disease taking darunavir co-administered with either ritonavir or cobicistat [see Use in Specific Populations (8.7)].

Cobicistat: A trial of the pharmacokinetics of cobicistat was performed in non-HIV infected subjects with severe renal impairment and end stage renal disease taking cobicistat co-administered with either ritonavir or cobicistat [see Use in Specific Populations (8.7)].

Gender

Darunavir: In HIV-infected subjects taking darunavir co-administered with ritonavir, population pharmacokinetic analysis showed higher mean darunavir exposure in HIV-1 infected females compared to males. This difference is not clinically relevant.

Cobicistat: No clinically relevant pharmacokinetic differences have been observed between men and women for cobicistat.

Race

Darunavir: Population pharmacokinetic analysis of darunavir in HIV-1 infected subjects taking darunavir co-administered with ritonavir indicated that race had no apparent effect on the exposure to darunavir.

Cobicistat: Population pharmacokinetic analysis of cobicistat in HIV-1 infected subjects indicated that race had no clinically relevant effect on the exposure of cobicistat.

Geriatric Patients

Darunavir: In HIV-infected subjects taking darunavir co-administered with ritonavir, population pharmacokinetic analysis showed no considerable differences in darunavir pharmacokinetics for ages 18 to 75 years compared to ages greater than or equal to 65 years (n=12) [see Use in Specific Populations (8.5)].

Cobicistat: Insufficient data are available to determine whether potential differences exist in the pharmacokinetics of cobicistat in geriatric (65 years of age and older) subjects compared to younger subjects.

Pediatric Patients

The pharmacokinetics of PREZCOBIX in pediatric subjects have not been established.
PREZCOBIX (darunavir and cobicistat) tablets

**Pregnancy and Postpartum**
The exposure to total and unbound darunavir boosted with cobicistat after intake of PREZCOBIX as part of an antiretroviral regimen was substantially lower during the second and third trimesters of pregnancy compared with 6-12 weeks postpartum (see Table 3 and Figure 1).

Table 3: Pharmacokinetic Results of Total Darunavir after Administration of PREZCOBIX Once Daily as Part of an Antiretroviral Regimen, During the 2nd and 3rd Trimester of Pregnancy, and Postpartum

<table>
<thead>
<tr>
<th>Pharmacokinetics of total darunavir (mean ± SD)</th>
<th>2nd Trimester of pregnancy N=7</th>
<th>3rd Trimester of pregnancy N=6</th>
<th>Postpartum (6-12 weeks) N=6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cmax, ng/mL</td>
<td>4340 ± 1616</td>
<td>4910 ± 970</td>
<td>7918 ± 2199</td>
</tr>
<tr>
<td>Cmin, ng/mL</td>
<td>168 ± 149</td>
<td>184 ± 99</td>
<td>1538 ± 1344</td>
</tr>
<tr>
<td>AUC0→τ, ng·h/mL</td>
<td>47293 ± 19058</td>
<td>47991 ± 9879</td>
<td>99613 ± 34862</td>
</tr>
</tbody>
</table>

![Figure 1: Pharmacokinetic Results (Within-Subject Comparison) of Total and Unbound Darunavir and Total Cobicistat After Administration of PREZCOBIX at 800/150 mg Once Daily as Part of an Antiretroviral Regimen, During the 2nd and 3rd Trimester of Pregnancy Compared to Postpartum](image)

Legend: 90% CI: 90% confidence interval; GMR: geometric mean ratio (i.e. second or third trimester / postpartum). Solid vertical line: ratio of 1.0; dotted vertical lines: reference lines of 0.8 and 1.25.

**Drug Interactions**
Based on in vitro data, cobicistat is not expected to induce CYP1A2 or CYP2B6 and based on in vivo data, cobicistat is not expected to induce MDR1 or, in general, CYP3A to a clinically significant extent. The induction effect of cobicistat on CYP2C9, CYP2C19, or UGT1A1 is unknown, but is expected to be low based on in vivo and in vitro data, cobicistat is not expected to induce MDR1 or, in general, CYP1A2 or CYP2B6 and is not expected to induce CYP3A to a clinically significant extent. The induction effect of cobicistat on CYP2C9, CYP2C19, or UGT1A1 is unknown, but is expected to be low based on in vivo data, cobicistat is not expected to induce MDR1 or, in general, CYP1A2 or CYP2B6 and is not expected to induce CYP3A to a clinically significant extent. The induction effect of cobicistat on CYP2C9, CYP2C19, or UGT1A1 is unknown, but is expected to be low based on in vivo data, cobicistat is not expected to induce MDR1 or, in general, CYP1A2 or CYP2B6 and is not expected to induce CYP3A to a clinically significant extent. The induction effect of cobicistat on CYP2C9, CYP2C19, or UGT1A1 is unknown, but is expected to be low based on in vivo data, cobicistat is not expected to induce MDR1 or, in general, CYP1A2 or CYP2B6 and is not expected to induce CYP3A to a clinically significant extent. The induction effect of cobicistat on CYP2C9, CYP2C19, or UGT1A1 is unknown, but is expected to be low based on in vivo data, cobicistat is not expected to induce MDR1 or, in general, CYP1A2 or CYP2B6 and is not expected to induce CYP3A to a clinically significant extent.

**Mechanism of Action**

**Darunavir:** Darunavir is an inhibitor of the HIV-1 protease. It selectively inhibits the cleavage of HIV-1 encoded Gag-Pol polyproteins in infected cells, thereby preventing the formation of mature virus particles.

**Cobicistat:** Cobicistat is a selective, mechanism-based inhibitor of cytochromes P450 of the CYP3A subfamily. Inhibition of CYP3A-mediated metabolism by cobicistat enhances the systemic exposure of CYP3A substrates.

**PREZCOBIX (darunavir and cobicistat) tablets**

**Antiviral Activity**

**Darunavir:** Darunavir exhibits activity against laboratory strains and clinical isolates of HIV-1 and laboratory strains of HIV-2 in acutely infected T-cell lines, human peripheral blood mononuclear cells, and human monocytes/macrophages with median EC50 values ranging from 1.2 to 8.5 nM (0.7 to 5.0 ng/mL). Darunavir demonstrates antiviral activity in cell culture against a broad panel of HIV-1 and HIV-2 isolates of group M (A, B, C, D, E, F, G), and group O primary isolates with EC50 values ranging from less than 0.1 to 4.3 nM. The EC50 value of darunavir increases by a median factor of 5.4 in the presence of human serum. Darunavir did not show antagonism when studied in combination with the HIV protease inhibitors (PIs) ampranavir, atazanavir, indinavir, lopinavir, nevirapine, ritonavir, saquinavir, or tipranavir, the NNRTIs abacavir, didanosine, emtricitabine, lamivudine, stavudine, tenofovir, zalcitabine, or zidovudine, the NRTIs abacavir, efavirenz, etravirine, rilpivirine, or nevirapine, and the fusion inhibitor enfuvirtide.

**Cobicistat:** Cobicistat does not inhibit recombinant HIV-1 protease in a biochemical assay and has no detectable antiviral activity in cell culture against HIV-1. The antiviral activity in cell culture of approved HIV-1 antiretroviral drugs was not antagonized by cobicistat.

**Resistance**

**Cell Culture**

**Darunavir:** HIV-1 isolates with a decreased susceptibility to darunavir have been selected in cell culture and obtained from subjects treated with darunavir co-administered with ritonavir. Darunavir-resistant virus derived in cell culture from wild-type HIV-1 had 21- to 88-fold decreased susceptibility to darunavir and developed 2 to 4 of the following amino acid substitutions: S33F, Y51F, F134S, F177I, or Y188L in the protease. Selection in cell culture of darunavir resistant HIV-1 from nine HIV-1 strains harboring multiple PI resistance-associated substitutions resulted in the overall emergence of 22 mutations in the protease gene, coding for amino acid substitutions: L10I, V32I, L33F, S37N, M46I, I47V, I50V, L63P, A71V, and I84V were the most prevalent. These darunavir-resistant viruses had at least eight protease substitutions and exhibited 50- to 841-fold decreases in darunavir susceptibility with final EC50 values ranging from 125 nM to 3461 nM.

**Clinical Studies**

The resistance profile of PREZCOBIX is driven by darunavir. Cobicistat does not select any HIV resistance substitutions, due to its lack of antiviral activity. For the clinical resistance profile of darunavir, refer to the darunavir full prescribing information.

**Cross-resistance**

Cross-resistance among PIs has been observed. Darunavir has a less than 10-fold decreased susceptibility in cell culture against 90% of 3309 clinical isolates resistant to amprenavir, atazanavir, indinavir, lopinavir, nevirapine, ritonavir, saquinavir, and/or tipranavir showing that viruses resistant to these PIs remain susceptible to darunavir. A less than 10-fold decreased susceptibility was observed for the other PIs in 26% to 96% of these PI resistant clinical isolates [nevirapine (28%), ritonavir (46%), indinavir (57%), atazanavir (59%), saquinavir (64%), ampranovir (70%), and tipranavir (96%)].

Cross-resistance between darunavir and nucleoside/nucleotide reverse transcriptase inhibitors, non-nucleoside reverse transcriptase inhibitors, fusion inhibitors, CCR5 co-receptor antagonists, or integrase strand transfer inhibitors is unlikely because the viral targets are different.

**Baseline Genotype/Phenotype and Virologic Outcome Analyses**
Baseline International AIDS Society (IAS)-defined PI resistance substitutions confer reduced virologic response to darunavir. Please refer to the "Baseline Genotype/Phenotype and Virologic Outcome Analyses" section in the darunavir full prescribing information.

13 **NONCLINICAL TOXICOLOGY**

13.1 **Carcinogenesis, Mutagenesis, Impairment of Fertility**

**Carcinogenesis and Mutagenesis**

Darunavir: Darunavir was evaluated for carcinogenic potential by oral gavage administration to mice and rats up to 104 weeks. Daily doses of 150, 450 and 1000 mg/kg were administered to mice and doses of 50, 150 and 500 mg/kg were administered to rats. A dose-related increase in the incidence of hepatocellular adenomas and carcinomas was observed in males and females of both species and an increase in thyroid follicular cell adenomas was observed in male rats. The observed hepatocellular findings in rodents are considered to be of limited relevance to humans. Repeated administration of darunavir to rats caused hepatic microsomal enzyme induction and increased thyroid hormone elimination, which increased to thyroid neoplasms. At the highest tested doses, the systemic exposures to darunavir (based on AUC) were between 0.4- and 0.7-fold (mouse) and 0.7- and 1-fold (rats) of exposures observed in humans at the recommended therapeutic doses (darunavir 600 mg co-administered with ritonavir 100 mg twice daily or darunavir 800 mg co-administered with ritonavir 100 mg once daily).
PREZCOBIX (darunavir and cobicistat) tablets

Darunavir was not mutagenic or genotoxic in a battery of in vitro and in vivo assays including bacterial reverse mutation (Ames), chromosomal aberration in human lymphocytes, and in vivo micronucleus test in mice.

Cobicistat: In a long-term carcinogenicity study in mice, no drug-related increases in tumor incidence were observed at doses up to 50 and 100 mg/kg/day in males and females, respectively. Cobicistat exposures at these doses were approximately 7 (male) and 16 (females) times, respectively, the human systemic exposure at the therapeutic daily dose. In a long-term carcinogenicity study of cobicistat in rats, an increased incidence of follicular cell adenomas and/or carcinomas in the thyroid gland was observed at doses of 25 and 50 mg/kg/day in males, and at 30 mg/kg/day in females. The follicular cell findings are considered to be rat-specific, secondary to hepatic microsomal enzyme induction and thyroid hormone imbalance, and are not relevant for humans. At the highest doses tested in the rat carcinogenicity study, systemic exposures were approximately 2 times the human systemic exposure at the therapeutic daily dose.

Cobicistat was not genotoxic in the reverse mutation bacterial test (Ames test), mouse lymphoma or rat micronucleus assays.

Impairment of Fertility

Darunavir: No effects on fertility or early embryonic development were observed with darunavir in rats.

Cobicistat: Cobicistat did not affect fertility in male or female rats at daily exposures (AUC) approximately 4-fold higher than human exposures at the recommended 150 mg daily dose.

Fertility was normal in the offspring of rats exposed daily from before birth (in utero) through sexual maturity at daily exposures (AUC) of approximately 1.2-fold higher than human exposures at the recommended 150 mg daily dose.

14 CLINICAL STUDIES

The efficacy of PREZCOBIX is based on efficacy demonstrated in clinical trials of darunavir co-administered with ritonavir [see darunavir full prescribing information].

16 HOW SUPPLIED/STORAGE AND HANDLING

PREZCOBIX (darunavir and cobicistat) tablets, 800/150 mg, are supplied as pink, oval-shaped, film-coated tablets debossed with “800” on one side and “TG” on the other side.

PREZCOBIX is packaged in bottles of 30 tablets (NDC 59676-575-30).

Storage: Store at 20-25°C (between 68-77°F); with excursions permitted to 15°-30°C (59°-86°F) [see USP Controlled Room Temperature].

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information).

Instructions for Use

Advise patients to take PREZCOBIX with food every day on a regular dosing schedule, as missed doses can result in development of resistance. Inform patients not to alter the dose of PREZCOBIX or discontinue therapy with PREZCOBIX without consulting their physician [see Dosage and Administration (2.2)].

Hepatotoxicity

Inform patients that drug-induced hepatitis (e.g., acute hepatitis, cytolytic hepatitis) and liver injury, including some fatalities, could potentially occur with PREZCOBIX. Advise patients to contact their healthcare provider immediately if signs and symptoms of liver problems develop [see Warnings and Precautions (5.1)].

Severe Skin Reactions

Inform patients that skin reactions ranging from mild to severe, including Stevens-Johnson Syndrome, drug rash with eosinophilia and systemic symptoms, and toxic epidermal necrolysis, could potentially occur with PREZCOBIX. Advise patients to contact their healthcare provider immediately if signs or symptoms of severe skin reactions develop, including but not limited to severe rash or rash accompanied with fever, general malaise, fatigue, muscle or joint aches, blisters, oral lesions, and/or conjunctivitis [see Warnings and Precautions (5.2)].

Renal Impairment

Inform patients that renal impairment, including cases of acute renal failure and Fanconi syndrome, has been reported when cobicistat is used in combination with a tenofovir DF-containing regimen [see Warnings and Precautions (5.4)].

Pregnancy

Advise patients that PREZCOBIX is not recommended during pregnancy and to alert their healthcare provider if they get pregnant while taking PREZCOBIX [see Use in Specific Populations (8.1)]. Inform patients that there is an antiretroviral pregnancy registry to monitor fetal outcomes of pregnant individuals exposed to PREZCOBIX [see Use in Specific Populations (8.1)].

Lactation

Instruct individuals with HIV-1 infection not to breastfeed because HIV-1 can be passed to the baby in breast milk [see Use in Specific Populations (8.2)].
What is the most important information I should know about PREZCOBIX?

- **PREZCOBIX may cause liver problems.** Some people taking PREZCOBIX may develop liver problems which may be life-threatening. Your healthcare provider should do blood tests before and during your treatment with PREZCOBIX. If you have chronic hepatitis B or C infection, your healthcare provider should check your blood tests more often because you have an increased chance of developing liver problems. Tell your healthcare provider if you have any of the below signs and symptoms of liver problems.
  - dark (tea colored) urine
  - yellowing of your skin or whites of your eyes
  - pale colored stools (bowel movements)
  - nausea
  - vomiting
  - pain or tenderness on your right side below your ribs
  - loss of appetite

- **PREZCOBIX may cause severe or life-threatening skin reactions or rash.** Sometimes these skin reactions and skin rashes can become severe and require treatment in a hospital. Call your healthcare provider right away if you develop a rash. **Stop taking PREZCOBIX** and call your healthcare provider right away if you develop any skin changes with symptoms below:
  - fever
  - tiredness
  - muscle or joint pain
  - blisters or skin lesions
  - mouth sores or ulcers
  - red or inflamed eyes, like “pink eye” (conjunctivitis)

- **PREZCOBIX when taken with certain other medicines can cause new or worse kidney problems, including kidney failure.** Your healthcare provider should check your kidneys before you start and while you are taking PREZCOBIX. See “What are the possible side effects of PREZCOBIX?” for more information about side effects.

What is PREZCOBIX?
PREZCOBIX is a prescription HIV-1 (Human Immunodeficiency Virus 1) medicine used with other antiretroviral medicines to treat HIV-1 infection in adults. HIV is the virus that causes AIDS (Acquired Immune Deficiency Syndrome).
PREZCOBIX contains the prescription medicines darunavir and cobicistat.
It is not known if PREZCOBIX is safe and effective in children under 18 years of age.

Who should not take PREZCOBIX?
Do not take PREZCOBIX with any medicine that contains:
- alfuzosin
- carbamazepine
- cisapride
- colchicine, if you have liver or kidney problems
- dronedarone
- elbasvir and grazoprevir
- ergot-containing medicines:
  - dihydroergotamine
  - ergotamine tartrate
  - methylergonovine
- ivabradine
- lomitapide
- lovastatin
- lurasidone
- midazolam, when taken by mouth
- naloxegol
- phenobarbital
- phenytoin
- pimozide
- ranolazine
- rifampin
- sildenafil, when used for the treatment of pulmonary arterial hypertension (PAH)
- simvastatin
- St. John’s wort (Hypericum perforatum)
- triazolam

Serious problems can happen if you take any of these medicines with PREZCOBIX.
Before taking PREZCOBIX, tell your healthcare provider about all your medical conditions, including if you:

- have liver problems, including hepatitis B or hepatitis C
- have kidney problems
- are allergic to sulfa (sulfonamide)
- have diabetes
- have hemophilia
- have any other medical condition
- are pregnant or plan to become pregnant.
  - It is not known if PREZCOBIX will harm your unborn baby.
  - PREZCOBIX should not be used in pregnant individuals because you may not have enough PREZCOBIX in your body during pregnancy.
  - Tell your healthcare provider if you become pregnant while taking PREZCOBIX. Your healthcare provider will prescribe different medicines if you become pregnant while taking PREZCOBIX.
  - **Pregnancy Registry**: There is a pregnancy registry for individuals who take antiretroviral medicines during pregnancy. The purpose of the registry is to collect information about the health of you and your baby. Talk to your healthcare provider about how you can take part in this registry.

- are breastfeeding or plan to breastfeed. Do not breastfeed if you take PREZCOBIX.
  - You should not breastfeed if you have HIV-1 because of the risk of passing HIV to your baby.
  - It is not known if PREZCOBIX can pass into your breast milk.
  - Talk to your healthcare provider about the best way to feed your baby.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Some medicines interact with PREZCOBIX. Keep a list of your medicines to show your healthcare provider and pharmacist.

- You can ask your healthcare provider or pharmacist for a list of medicines that interact with PREZCOBIX.
- Do not start taking a new medicine without telling your healthcare provider. Your healthcare provider can tell you if it is safe to take PREZCOBIX with other medicines.

**How should I take PREZCOBIX?**

- Take PREZCOBIX exactly as your healthcare provider tells you.
- Do not change your dose or stop taking PREZCOBIX without talking to your healthcare provider.
- Take PREZCOBIX 1 time a day with food.
- Do not miss a dose of PREZCOBIX.
- If you take too much PREZCOBIX, call your healthcare provider or go to the nearest hospital emergency room right away.

**What are the possible side effects of PREZCOBIX?**

PREZCOBIX may cause serious side effects, including:

- See “What is the most important information I should know about PREZCOBIX?”
- **Diabetes and high blood sugar (hyperglycemia)**. Some people who take protease inhibitors including PREZCOBIX can get high blood sugar, develop diabetes, or your diabetes can get worse. Tell your healthcare provider if you notice an increase in thirst or urinate often while taking PREZCOBIX.
- **Changes in body fat** can happen in people who take HIV-1 medications. The changes may include an increased amount of fat in the upper back and neck (“buffalo hump”), breast, and around the middle of your body (trunk). Loss of fat from the legs, arms, and face may also happen. The exact cause and long-term health effects of these conditions are not known.
- **Changes in your immune system (Immune Reconstitution Syndrome)** can happen when you start taking HIV-1 medicines. Your immune system may get stronger and begin to fight infections that have been hidden in your body for a long time. Tell your healthcare provider right away if you start having new symptoms after starting your HIV-1 medicine.
- **Increased bleeding for hemophiliacs**. Some people with hemophilia have increased bleeding with protease inhibitors including PREZCOBIX.

The most common side effects of darunavir, one of the medicines in PREZCOBIX, include:

- diarrhea
- nausea
- rash
- headache
- stomach-area (abdominal) pain
- vomiting

These are not all of the possible side effects of PREZCOBIX. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.
### How should I store PREZCOBIX?

- Store PREZCOBIX tablets at room temperature between 68°F to 77°F (20°C to 25°C).

**Keep PREZCOBIX and all medicines out of reach of children.**

### General information about the safe and effective use of PREZCOBIX.

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. Do not use PREZCOBIX for a condition for which it was not prescribed. Do not give PREZCOBIX to other people, even if they have the same symptoms that you have. It may harm them.

You can ask your healthcare provider or pharmacist for information about PREZCOBIX that is written for health professionals.

### What are the ingredients in PREZCOBIX?

**Active ingredients:** darunavir and cobicistat

**Inactive ingredients:** colloidal silicon dioxide, crospovidone, hypromellose, magnesium stearate, and silicified microcrystalline cellulose.

The tablets are film-coated with a coating material containing iron oxide black, iron oxide red, polyethylene glycol, polyvinyl alcohol (partially hydrolyzed), talc, and titanium dioxide.

Manufactured by: Janssen Ortho LLC, Gurabo, PR 00778

Manufactured for: Janssen Therapeutics, Division of Janssen Products, LP, Titusville NJ 08560

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For more information call 1-800-526-7736.