

**HIGHLIGHTS OF PRESCRIBING INFORMATION**  
These highlights do not include all the information needed to use FOSAMPRENAVIR CALCIUM TABLETS safely and effectively. See full prescribing information for FOSAMPRENAVIR CALCIUM TABLETS.  
**FOSAMPRENAVIR CALCIUM TABLETS, for oral use**  
Initial U.S. Approval: 2003

**RECENT MAJOR CHANGES**  
Warnings and Precautions, Risk of Serious Adverse Reactions 03/2015  
Due to Drug Interactions (5.1)

**INDICATIONS AND USAGE**  
Fosamprenavir is an HIV protease inhibitor indicated in combination with other antiretroviral agents for the treatment of HIV-1 infection (1).

**DOSE AND ADMINISTRATION**  
Therapy-naïve Adults: Fosamprenavir 1,400 mg twice daily plus ritonavir 100 mg once daily plus ritonavir 200 mg once daily; Fosamprenavir 1,400 mg once daily plus ritonavir 100 mg once daily plus ritonavir 200 mg twice daily plus ritonavir 100 mg twice daily (2, 1).  
Protease inhibitor-experienced Adults: Fosamprenavir 700 mg twice daily plus ritonavir 100 mg twice daily (2, 1).  
Pediatric Patients (aged at least 4 weeks to 18 years): Dosage should be calculated based on body weight (kg) and should not exceed adult dose (2, 2).  
Hepatic Impairment: Recommended adjustments for patients with mild, moderate, or severe hepatic impairment (2, 3).  
Dosing Considerations  
Fosamprenavir calcium tablets may be taken with or without food (2).

**DOSE FORMS AND STRENGTHS**  
700 mg tablets (3)

**CONTRAINDICATIONS**  
Hypersensitivity to fosamprenavir or amprevir (i.e., Stevens-Johnson syndrome), (4).  
Drug interactions with fosamprenavir for clearance and for which elevated plasma levels may result in serious and/or life-threatening events, (4).  
Review ritonavir contraindications when used in combination, (4).

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**1 INDICATIONS AND USAGE**  
Fosamprenavir calcium tablets are indicated in combination with other antiretroviral agents for the treatment of human immunodeficiency virus (HIV-1) infection.  
The following points should be considered when initiating therapy with fosamprenavir calcium tablets plus ritonavir in protease inhibitor-naïve patients:  
The protease inhibitor-experienced patient was not large enough to reach a definitive conclusion that fosamprenavir plus ritonavir and lopinavir plus ritonavir are clinically equivalent [see Clinical Studies (14.2)].  
Once-daily administration of fosamprenavir plus ritonavir is not recommended for adult protease inhibitor-experienced patients or any pediatric patients [see Dosage and Administration (2.1, 2.2), Clinical Studies (14.2, 14.3)].  
Dosing of fosamprenavir plus ritonavir is not recommended for protease inhibitor-experienced pediatric patients younger than 6 months [see Clinical Pharmacology (12.3)].

**2 DOSAGE AND ADMINISTRATION**  
Fosamprenavir calcium tablets may be taken with or without food.  
Higher-than-approved doses combinations of fosamprenavir plus ritonavir are not recommended due to an increased risk of transaminase elevations [see Warnings and Precautions (5)].  
When fosamprenavir is used in combination with ritonavir, prescribers should consult the full prescribing information for ritonavir.

**2.1 Adults**  
**Therapy-naïve Adults:**  
Fosamprenavir 1,400 mg twice daily (without ritonavir).  
Fosamprenavir 1,400 mg once daily plus ritonavir 200 mg once daily.  
Fosamprenavir 1,400 mg once daily plus ritonavir 100 mg once daily.  
Once-daily administration of fosamprenavir 1,400 mg once daily plus ritonavir 100 mg once daily is supported by pharmacokinetic data [see Clinical Pharmacology (12.3)].  
Fosamprenavir 700 mg twice daily plus ritonavir 100 mg twice daily.  
Dosing of fosamprenavir 700 mg twice daily plus ritonavir 100 mg twice daily is supported by pharmacokinetic and safety data [see Clinical Pharmacology (12.3)].

**Protease inhibitor-experienced Adults:**  
Fosamprenavir 700 mg twice daily plus ritonavir 100 mg twice daily.

**2.2 Pediatric Patients (Aged at Least 4 Weeks to 18 Years)**  
Fosamprenavir should only be administered to infants born at 38 weeks gestation or greater and who have attained a post-natal age of 28 days.  
For pediatric patients, pharmacokinetic and clinical data:  
do not support once-daily dosing of fosamprenavir alone or in combination with ritonavir [see Clinical Studies (14.3)].  
do support administration of fosamprenavir alone or in combination with ritonavir for protease inhibitor-experienced children younger than 6 months [see Clinical Pharmacology (12.3)].  
do not support twice-daily dosing of fosamprenavir without ritonavir in pediatric patients younger than 2 years [see Clinical Pharmacology (12.3)].

**Table 1. Twice-daily Dosage Regimens by Weight for Protease Inhibitor-naïve Pediatric Patients (Aged 4 Months and Older) Using Fosamprenavir Calcium Oral Suspension with Concurrent Ritonavir**

Weight	Twice-daily Dosage Regimen
< 11 kg	Fosamprenavir 45 mg/kg plus ritonavir 7 mg/kg*
11 kg to < 15 kg	Fosamprenavir 30 mg/kg plus ritonavir 3 mg/kg*
15 kg to < 20 kg	Fosamprenavir 23 mg/kg plus ritonavir 3 mg/kg*
> 20 kg	Fosamprenavir 18 mg/kg plus ritonavir 3 mg/kg*

\* When dosing with ritonavir, do not exceed the adult dose of fosamprenavir 700 mg/ritonavir 100 mg twice-daily dose.

Alternatively, protease inhibitor-naïve children aged 2 years and older can be administered fosamprenavir (without ritonavir) 30 mg per kg twice daily.  
Fosamprenavir should only be administered to infants born at 38 weeks gestation or greater and who have attained a post-natal age of 28 days.  
For pediatric patients, pharmacokinetic and clinical data:  
do not support once-daily dosing of fosamprenavir alone or in combination with ritonavir [see Clinical Studies (14.3)].  
do support administration of fosamprenavir alone or in combination with ritonavir for protease inhibitor-experienced children younger than 6 months [see Clinical Pharmacology (12.3)].  
do not support twice-daily dosing of fosamprenavir without ritonavir in pediatric patients younger than 2 years [see Clinical Pharmacology (12.3)].

**Other Dosing Considerations:**  
When administered without ritonavir, the adult regimen of fosamprenavir calcium tablets 1,400 mg twice daily may be used for pediatric patients weighing at least 47 kg.  
When administered in combination with ritonavir, fosamprenavir calcium tablets may be used for pediatric patients weighing at least 39 kg; ritonavir capsules may be used for pediatric patients weighing at least 33 kg.

**2.3 Patients with Hepatic Impairment**  
See Clinical Pharmacology (12.3).  
**Mild Hepatic Impairment (Child-Pugh Score Ranging from 5 to 6):** Fosamprenavir should be used with caution at a reduced dosage of 700 mg twice daily without ritonavir (therapy-naïve) or 700 mg twice daily plus ritonavir 100 mg once daily (therapy-naïve or protease inhibitor-experienced).  
**Moderate Hepatic Impairment (Child-Pugh Score Ranging from 7 to 8):** Fosamprenavir should be used with caution at a reduced dosage of 700 mg twice daily without ritonavir (therapy-naïve), or 450 mg twice daily plus ritonavir 100 mg once daily (therapy-naïve or protease inhibitor-experienced).

**Severe Hepatic Impairment (Child-Pugh Score Ranging from 10 to 15):** Fosamprenavir should be used with caution at a reduced dosage of 350 mg twice daily without ritonavir (therapy-naïve) or 300 mg twice daily plus ritonavir 100 mg once daily (therapy-naïve or protease inhibitor-experienced).  
There are no data to support dosing recommendations for pediatric patients with hepatic impairment.

**3 DOSAGE FORMS AND STRENGTHS**  
Fosamprenavir Calcium Tablets are available containing 700 mg of fosamprenavir as fosamprenavir calcium.  
The 700 mg tablets are pink, film-coated, modified capsule shaped, unscored tablets debossed with 'M' on one side and 'FOS 700' on the other side.

**4 CONTRAINDICATIONS**  
Fosamprenavir calcium tablets are contraindicated:  
in patients with previously demonstrated clinically significant hypersensitivity (e.g., Stevens-Johnson syndrome) to any of the components of this product or to amprevir.  
when coadministered with drugs that are highly dependent on cytochrome P450 3A4 (CYP3A4) for clearance and/or which elevated plasma concentrations are associated with serious and/or life-threatening events (Table 2).

**Table 2. Drugs Contraindicated with Fosamprenavir (Information in the table applies to fosamprenavir with or without ritonavir, unless otherwise indicated.)**

Drug Class/Drug Name	Clinical Comment
<b>Alpha 1-adrenoreceptor antagonists:</b> Alfuzosin	Potentially increased alfuzosin concentrations can result in hypotension.
<b>Antiarthritics:</b> Flecainide, propafenone	<b>POTENTIAL</b> for serious and/or life-threatening reactions such as arrhythmias. Flecainide and propafenone are contraindicated in patients receiving ritonavir.
<b>Anticoagulants:</b> Rifabutin	May lead to loss of virologic response and possible resistance to fosamprenavir or to the class of protease inhibitors.
<b>Ergot derivatives:</b> Dihydroergotamine, ergonovine, ergometrin, methylergometrin	<b>POTENTIAL</b> for serious and/or life-threatening reactions such as acute ergot toxicity characterized by peripheral vasospasm and ischemia of the extremities and other serious and/or life-threatening reactions such as cardiac arrhythmias.
<b>GI motility agents:</b> Cisapride	<b>POTENTIAL</b> for serious and/or life-threatening reactions such as cardiac arrhythmias.
<b>Herbal products:</b> St. John's wort ( <i>Hypericum perforatum</i> )	May lead to loss of virologic response and possible resistance to fosamprenavir or to the class of protease inhibitors.
<b>HMG-co-reductase inhibitors:</b> Lovastatin, simvastatin	<b>POTENTIAL</b> for serious reactions such as risk of myopathy including rhabdomyolysis.
<b>Neuroleptics:</b> Pimozide	<b>POTENTIAL</b> for serious and/or life-threatening reactions such as cardiac arrhythmias.
<b>Non-nucleoside reverse transcriptase inhibitor:</b> Delamanvir	May lead to loss of virologic response and possible resistance to fosamprenavir.
<b>PDE5 inhibitors:</b> Sildenafil (REVAATIO®) (for treatment of pulmonary arterial hypertension)	A safe and effective dose has not been established when used with fosamprenavir. There is increased potential for sildenafil-associated adverse events (which include visual disturbances, hypotension, prolonged erection, and syncope).
<b>Sedative/hypnotics:</b> Midazolam, triazolam	<b>POTENTIAL</b> for serious and/or life-threatening reactions such as prolonged or increased sedation or respiratory depression.

\* See Clinical Pharmacology (12.3) Tables 10, 11, 12, or 13 for magnitude of interaction.

When coadministered with ritonavir in patients receiving the antiarrhythmic drugs, flecainide and propafenone. If fosamprenavir is coadministered with ritonavir, reference should be made to the full prescribing information for ritonavir for contraindications.

**5 WARNINGS AND PRECAUTIONS**  
**5.1 Risk of Serious Adverse Reactions Due to Drug Interactions**  
Initiation of fosamprenavir/ritonavir, a CYP3A inhibitor, in patients receiving medications metabolized by CYP3A or initiation of medications metabolized by CYP3A in patients already receiving fosamprenavir/ritonavir, may increase plasma concentrations of these drugs. Refer to contraindications and drug interactions for treatment of these events as CYP3A may increase or decrease concentrations of fosamprenavir/ritonavir, respectively. These interactions may lead to:  
Clinically significant adverse reactions, potentially leading to severe, life-threatening, or fatal events from greater exposures of concomitant medications.  
Clinically significant adverse reactions from greater exposures of fosamprenavir/ritonavir.  
Loss of therapeutic effect of fosamprenavir/ritonavir and possible development of resistance.  
See Table 7 for steps to prevent or manage these possible and known significant drug interactions, including dosing recommendations [see Drug Interactions (7)]. Consider the potential for drug interactions prior to initiating therapy and monitor for the adverse reactions associated with the concomitant medications [see Contraindications (4), Drug Interactions (7)].

**5.2 Skin Reactions**  
Severe and life-threatening skin reactions, including one case of Stevens-Johnson syndrome among 700 subjects treated in clinical trials. Treatment with fosamprenavir should be discontinued for severe or life-threatening rashes and for moderate rashes accompanied by systemic symptoms [see Adverse Reactions (6)].

**5.3 Sulfu Allergy**  
Fosamprenavir should be used with caution in patients with a known sulfonamide allergy. Fosamprenavir contains a sulfonamide moiety. The potential for cross-sensitivity between drugs in the sulfonamide class and fosamprenavir is unknown. In a clinical trial of fosamprenavir used as the sole protease inhibitor, rash occurred in 2 of 10 subjects (20%) with a history of sulfonamide allergy compared with 42 of 126 subjects (33%) with no history of sulfonamide allergy. In two clinical trials of fosamprenavir plus low-dose ritonavir, rash occurred in 8 of 50 subjects (16%) with a history of sulfonamide allergy compared with 50 of 412 subjects (12%) with no history of sulfonamide allergy.

**5.4 Hepatic Toxicity**  
Fosamprenavir with ritonavir at higher-than-recommended dosages may result in transaminase elevations and should not be used [see Dosage and Administration (2), Overdose (10)]. Patients with underlying hepatitis B or C or marked elevations in transaminase prior to treatment may be at increased risk for developing or worsening of transaminase elevations. Appropriate laboratory testing should be conducted prior to initiating therapy with fosamprenavir and patients should be monitored closely during treatment.

**5.5 Diabetes/Hyperglycemia**  
New onset diabetes mellitus, exacerbation of pre-existing diabetes mellitus, and hyperglycemia have been reported during postmarketing surveillance in HIV-1-infected patients receiving protease inhibitor therapy. Some patients require either initiation or adjustment of hypoglycemic agents for treatment of these events. In some cases, diabetic ketoacidosis has occurred. In those patients who discontinued protease inhibitor 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 protease inhibitor therapy and these events have not been established.

**5.6 Immune Reconstitution Syndrome**  
Immune reconstitution syndrome has been reported in patients treated with combination antiretroviral therapy, including fosamprenavir. During the initial phase of combination antiretroviral treatment, patients whose immune system responds may develop an inflammatory response to indolent or residual opportunistic 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 to occur in the setting of immune reconstitution, however, the time to onset is more variable, and can occur many months after initiation of treatment.

**WARNINGS AND PRECAUTIONS**  
The concomitant use of fosamprenavir with ritonavir and certain other drugs may result in known or potentially significant drug interactions. Consult the full prescribing information prior to and during treatment for potential drug interactions (5.1, 7.3).  
Fosamprenavir should be discontinued for severe skin reactions including Stevens-Johnson syndrome (5.2).  
Fosamprenavir should be used with caution in patients with a known sulfonamide allergy (5.3).  
Use of higher than approved doses may lead to transaminase elevations. Patients with hepatitis B or C are at increased risk of transaminase elevations (5.4).  
Patients receiving fosamprenavir may develop new onset or exacerbations of diabetes mellitus, hyperglycemia (5.5), immune reconstitution syndrome (5.6), redistribution/accumulation of body fat (5.7), and elevated triglyceride and cholesterol concentrations (5.8). Monitor cholesterol and triglycerides prior to therapy and periodically thereafter.  
Acute hemolytic anemia has been reported with amprevir (5.9).  
Hemophilia: Spontaneous bleeding may occur, and additional factor VIII may be required (5.10).  
Nephrolithiasis: Cases of nephrolithiasis have been reported with fosamprenavir (5.11).

**ADVERSE REACTIONS**  
In adults the most common adverse reactions (incidence greater than or equal to 4%) are diarrhea, rash, dizziness, or headache (5.1).  
Vomiting and neutropenia were more frequent in pediatric than in adults (6.1).  
To report SUSPECTED ADVERSE REACTIONS, contact Mylan Pharmaceuticals Inc. at 1-877-446-3679 (1-877-4-INFO-RX) or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

**DRUG INTERACTIONS**  
Coadministration of fosamprenavir with drugs that induce CYP3A4 may decrease amprevir (active metabolite) concentrations leading to potential loss of virologic activity (7, 12.3).  
Coadministration with drugs that inhibit CYP3A4 may increase amprevir concentrations (7, 12.3).  
Coadministration of fosamprenavir and ritonavir may result in clinically significant interactions with drugs metabolized by CYP2D6 (7).

**See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.**

**7 DRUG INTERACTIONS**  
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**5.7 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, including fosamprenavir. The mechanism and long-term consequences of these events are currently unknown. A causal relationship has not been established.

**5.8 Lipid Elevations**  
Treatment with fosamprenavir plus ritonavir has resulted in increases in the concentration of triglycerides and cholesterol [see Adverse Reactions (6)]. Triglyceride and cholesterol testing should be performed prior to initiating therapy with fosamprenavir and at periodic intervals during clinical practice. Lipid disorders should be managed as clinically appropriate [see Drug Interactions (7)].

**5.9 Hemolytic Anemia**  
Acute hemolytic anemia has been reported in a patient treated with amprevir.

**5.10 Patients with Hemophilia**  
There have been reports of spontaneous bleeding in patients with hemophilia A and B treated with protease inhibitors. In some patients, additional factor VIII was required. In many of the reported cases, treatment with protease inhibitors was continued or restarted. A causal relationship between protease inhibitor therapy and these episodes has not been established.

**5.11 Nephrolithiasis**  
Cases of nephrolithiasis were reported during postmarketing surveillance in HIV-1-infected patients receiving fosamprenavir. Because these events were reported voluntarily during clinical practice, estimates of frequency cannot be made. If signs or symptoms of nephrolithiasis occur, temporary interruption or discontinuation of therapy may be considered.

**5.12 Resistance/Cross-resistance**  
The potential for HIV cross-resistance among protease inhibitors has not been fully explored. It is unknown what effect therapy with fosamprenavir will have on the activity of subsequently administered protease inhibitors. Fosamprenavir has been studied in patients who have experienced treatment failure with protease inhibitors [see Clinical Studies (14.2)].

**6 ADVERSE REACTIONS**  
Severe and life-threatening skin reactions have been reported with the use of fosamprenavir [see Warnings and Precautions (5.2)].  
The most common moderate to severe adverse reactions in clinical trials of fosamprenavir were diarrhea, rash, nausea, vomiting, and headache.  
Treatment discontinuation due to adverse events occurred in 6.4% of subjects receiving fosamprenavir and in 5.5% of subjects receiving comparator treatments. The most common adverse reactions leading to discontinuation of fosamprenavir (incidence less than or equal to 1% of subjects) included diarrhea, nausea, vomiting, AST increased, ALT increased, and rash.

**6.1 Clinical Trials**  
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.  
**Adult Trials:** The data for the three active-controlled clinical trials described below reflect exposure of 700 HIV-1-infected subjects to fosamprenavir calcium tablets, including 593 subjects exposed to fosamprenavir for greater than 24 weeks, and 409 subjects exposed for greater than 48 weeks. The population age ranged from 17 to 72 years. Of these subjects, 26% were female, 51% white, 31% black, 16% American Hispanic, and 70% were antiretroviral-naïve. Sixty-one percent received fosamprenavir 1,400 mg once daily plus ritonavir 200 mg once daily, 24% received fosamprenavir 1,400 mg twice daily, and 15% received fosamprenavir 700 mg twice daily plus ritonavir 100 mg twice daily.  
Selected adverse reactions reported during the clinical efficacy trials of fosamprenavir are shown in Tables 3 and 4. Each table presents adverse reactions of moderate or severe intensity in subjects treated with combination therapy for up to 48 weeks.

**Table 3. Selected Moderate/Severe Clinical Adverse Reactions Reported in Greater than or Equal to 2% of Antiretroviral-naïve Adult Subjects**

Adverse Reaction	APV30001 <sup>1</sup>		APV30002 <sup>2</sup>	
	Fosamprenavir 1,400 mg b.i.d. (n = 166)	Nelfinavir 1,250 mg b.i.d. (n = 83)	Fosamprenavir 1,400 mg q.d./Ritonavir 200 mg q.d. (n = 322)	Nelfinavir 1,250 mg b.i.d. (n = 327)
<b>Gastrointestinal</b>				
Diarrhea	5%	18%	10%	18%
Nausea	7%	4%	7%	5%
Vomiting	2%	4%	6%	4%
Abdominal pain	< 1%	2%	2%	2%
<b>Skin</b>				
Rash	8%	0%	3%	2%
<b>General disorders</b>				
Fatigue	2%	1%	4%	2%
<b>Nervous system</b>				
Headache	2%	4%	3%	3%

<sup>1</sup> All subjects also received abacavir and lamivudine twice daily.

**Table 4. Selected Moderate/Severe Clinical Adverse Reactions Reported in Greater than or Equal to 2% of Protease Inhibitor-experienced Adult Subjects (Trial APV30003)**

Adverse Reaction	Fosamprenavir 700 mg b.i.d./Ritonavir 100 mg b.i.d. (n = 106)		Lopinavir 400 mg b.i.d./Ritonavir 100 mg b.i.d. (n = 103)	
	Fosamprenavir 1,400 mg b.i.d. (n = 166)	Nelfinavir 1,250 mg b.i.d. (n = 83)	Fosamprenavir 1,400 mg q.d./Ritonavir 200 mg q.d. (n = 322)	Nelfinavir 1,250 mg b.i.d. (n = 327)
<b>Gastrointestinal</b>				
Diarrhea	13%	11%	13%	11%
Nausea	3%	3%	9%	9%
Vomiting	3%	3%	5%	3%
Abdominal pain	< 1%	2%	2%	2%
<b>Skin</b>				
Rash	3%	0%	3%	2%
<b>Nervous system</b>				
Headache	4%	2%	2%	2%

<sup>1</sup> All subjects also received two reverse transcriptase inhibitors.

Skin rash (without regard to causality) occurred in approximately 19% of subjects treated with fosamprenavir in the pivotal efficacy trials. Rashes were usually maculopapular, of mild or moderate intensity, some with pruritus. Rash had a median onset of 11 days after initiation of fosamprenavir and had a median duration of 13 days. Skin rash led to discontinuation of fosamprenavir in less than 1% of subjects. In some subjects with mild or moderate rash, dosing with fosamprenavir was often continued without interruption; if interrupted, reintroduction of fosamprenavir generally did not result in rash recurrence. The percentages of subjects with Grade 3 or 4 laboratory abnormalities in the clinical efficacy trials of fosamprenavir are presented in Tables 5 and 6.

**Table 5. Grade 3/4 Laboratory Abnormalities Reported in Greater than or Equal to 2% of Antiretroviral-naïve Adult Subjects in Trials APV30001 and APV30002**

Laboratory Abnormality	APV30001 <sup>1</sup>		APV30002 <sup>2</sup>	
	Fosamprenavir 1,400 mg b.i.d. (n = 166)	Nelfinavir 1,250 mg b.i.d. (n = 83)	Fosamprenavir 1,400 mg q.d./Ritonavir 200 mg q.d. (n = 322)	Nelfinavir 1,250 mg b.i.d. (n = 327)
ALT (> 5 x ULN)	6%	5%	8%	7%
AST (> 5 x ULN)	6%	6%	6%	7%
Serum lipase (> 2 x ULN)	8%	4%	6%	4%
Triglycerides <sup>3</sup> (> 750 mg/dL)	0%	1%	6%	2%
Neutrophil count, absolute (< 750 cells/mm <sup>3</sup> ) <sup>4</sup>	3%	6%	3%	4%

<sup>1</sup> All subjects also received abacavir and lamivudine twice daily.  
<sup>2</sup> Fasting specimens.  
<sup>3</sup> ULN = Upper limit of normal.  
<sup>4</sup> ULN = Upper limit of normal.

The incidence of Grade 3 or 4 hyperglycemia in antiretroviral-naïve subjects who received fosamprenavir in the pivotal trials was less than 1%.

**Table 6. Grade 3/4 Laboratory Abnormalities Reported in Greater than or Equal to 2% of Protease Inhibitor-experienced Adult Subjects in Trial APV30003**

Laboratory Abnormality	Fosamprenavir 700 mg b.i.d./Ritonavir 100 mg b.i.d. (n = 104)		Lopinavir 400 mg b.i.d./Ritonavir 100 mg b.i.d. (n = 103)	
	Fosamprenavir 1,400 mg b.i.d. (n = 166)	Nelfinavir 1,250 mg b.i.d. (n = 83)	Fosamprenavir 1,400 mg q.d./Ritonavir 200 mg q.d. (n = 322)	Nelfinavir 1,250 mg b.i.d. (n = 327)
Triglycerides <sup>3</sup> (> 750 mg/dL)	11%	11%	12%	11%
Serum lipase (> 2 x ULN)	5%	5%	6%	4%
ALT (> 5 x ULN)	4%	4%	4%	4%
AST (> 5 x ULN)	4%	4%	4%	4%
Glucose (> 251 mg/dL)	2%	2%	2%	2%

<sup>1</sup> All subjects also received two reverse transcriptase inhibitors.  
<sup>2</sup> Fasting specimens.  
<sup>3</sup> ULN = Upper limit of normal.  
<sup>4</sup> ULN = Upper limit of normal.

**Pediatric Trials:** Fosamprenavir with and without ritonavir was studied in 237 HIV-1-infected pediatric subjects aged at least 4 weeks to 18 years in three open-label trials, APV20002, APV20003, and APV20005 [see Clinical Studies (14.3)]. Vomiting and neutropenia occurred more frequently in pediatric subjects compared with adults. Other adverse events occurred with similar frequency in pediatric subjects compared with adults. The frequency of vomiting among pediatric subjects receiving fosamprenavir twice daily with ritonavir was 20% in subjects aged 2 to 5 years and 36% in subjects aged 6 to 18 years compared with 10% in adults. The frequency of vomiting among pediatric subjects receiving fosamprenavir twice daily without ritonavir was 60% in subjects aged 2 to 5 years compared with 16% in adults. The median duration of drug-related vomiting episodes in APV20005 was one day (range: 1 to 3 days), in APV20002 was 16 days (range: 1 to 38 days), and in APV20003 was 9 days (range: 4 to 13 days). Vomiting was treatment limiting in four pediatric subjects across all three trials. The incidence of Grade 3 or 4 neutropenia (neutrophils less than 750 cells per mm<sup>3</sup>) seen in pediatric subjects treated with fosamprenavir with and without ritonavir was higher (15%) than the incidence seen in adult subjects (16%) (28 of 170) of subjects aged 2 to 18 years.

**6.2 Postmarketing Experience**  
The following adverse reactions have been identified during postapproval use of fosamprenavir. Because these reactions are reported voluntarily from a population of unknown size, it is not always possible to reliably estimate their frequency or to establish a causal relationship to drug exposure. These reactions have been chosen for inclusion due to a combination of their seriousness, frequency of reporting, or potential causal connection to fosamprenavir.  
**Cardiac Disorders:** Myocardial infarction.  
**Cardiac Disorders and Nutritional Disorders:** Hypercholesterolemia.  
**Nervous System Disorders:** Oral paresthesia.  
**Skin and Subcutaneous Tissue Disorders:** Angioedema.  
**Urogenital:** Nephrolithiasis.

**7 DRUG INTERACTIONS**  
See also Contraindications (4), Clinical Pharmacology (12.3).  
If fosamprenavir is used in combination with ritonavir, see full prescribing information for ritonavir for additional information on drug interactions.

**7.1 Cytochrome P450 Inhibitors and Inducers**  
Amprevir, the active metabolite of fosamprenavir, is an inhibitor of CYP3A4 metabolism and therefore should not be administered concurrently with medications with narrow therapeutic windows that are substrates of CYP3A4. Data also suggest that amprevir, and not APV2004, is the CYP3A4 inhibitor. Coadministration of amprevir is metabolized by CYP3A4. Coadministration of fosamprenavir and drugs that induce CYP3A4, such as rifampin, may decrease amprevir concentrations and reduce its therapeutic effect. Coadministration of fosamprenavir and drugs that inhibit CYP3A4 may increase amprevir concentrations and increase the incidence of adverse effects.

The potential for drug interactions with fosamprenavir changes when fosamprenavir is coadministered with the potent CYP3A4 inhibitor ritonavir. The magnitude of CYP3A4-mediated drug interactions (effect on amprevir or effect on coadministered drug) may change when ritonavir is coadministered with ritonavir. Because ritonavir is a CYP2D6 inhibitor, clinically significant interactions with drugs metabolized by CYP2D6 are possible when coadministered with ritonavir. There are other drugs that may result in serious and/or life-threatening drug interactions [see Contraindications (4)].

**7.2 Drugs that Should Not be Coadministered with Fosamprenavir**  
See Contraindications (4).

**7.3 Established and Other Potentially Significant Drug Interactions**  
Table 7 provides a listing of established or potentially clinically significant drug interactions. Information in the table applies to fosamprenavir with or without ritonavir, unless otherwise indicated.

**Table 7. Established and Other Potentially Significant Drug Interactions**

Concomitant Drug Class/Drug Name	Effect on Concentration of Amprevir or Concomitant Drug	Clinical Comment
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**HCV/HIV-Antiviral Agents**  
**HCV protease inhibitor:** Boceprevir  
Fosamprenavir: Coadministration of fosamprenavir or fosamprenavir/ritonavir and boceprevir is not recommended. [Amprevir (predicted) \*\*\* or [Boceprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**HIV protease inhibitor:** Simprevir  
Fosamprenavir: Coadministration of fosamprenavir or fosamprenavir/ritonavir and simprevir is not recommended. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**HCV protease inhibitor:** Paritaprevir (coformulated with ombitasvir and dasabuvir)  
Fosamprenavir: Appropriate doses of the combinations with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**HIV protease inhibitor:** Paritaprevir (coformulated with ombitasvir and dasabuvir)  
Fosamprenavir: Appropriate doses of the combinations with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**Non-nucleoside reverse transcriptase inhibitor:** Efavirenz  
Fosamprenavir: Appropriate doses of the combinations with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**Non-nucleoside reverse transcriptase inhibitor:** Nevirapine  
Fosamprenavir: Coadministration of nevirapine and fosamprenavir without ritonavir is not recommended. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**HIV protease inhibitor:** Atazanavir  
Fosamprenavir: Appropriate doses of the combinations with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**HIV protease inhibitors:** Indinavir, nelfinavir  
Fosamprenavir: Appropriate doses of the combinations with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:** [Amprevir (predicted) \*\*]

**HIV protease inhibitors:** Lopinavir/ritonavir  
Fosamprenavir: An increased rate of adverse events has been observed. Appropriate doses of the combinations with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**HIV protease inhibitor:** Saquinavir  
Fosamprenavir: Appropriate doses of the combination with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**HIV integrase inhibitor:** Raltegravir  
Fosamprenavir: Appropriate doses of the combination with respect to safety and efficacy have not been established. [Amprevir (predicted) \*\*]

**Fosamprenavir/ritonavir:**

