



HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use AMOXICILLIN AND CLAVULANATE POTASSIUM, safely and effectively. See full prescribing information for AMOXICILLIN AND CLAVULANATE POTASSIUM.

AMOXICILLIN AND CLAVULANATE POTASSIUM tablets, for oral use
 AMOXICILLIN AND CLAVULANATE POTASSIUM for oral suspension
 AMOXICILLIN AND CLAVULANATE POTASSIUM chewable tablets, for oral use

Initial U.S. Approval: 1984

RECENT MAJOR CHANGES

Warnings and Precautions,
 Drug-Induced Enterocolitis Syndrome (DIES) (5.3)

Chewable Tablets: 125 mg/31.25 mg, 200 mg/28.5 mg, 250 mg/62.5 mg, 400 mg/57 mg (3)

CONTRAINDICATIONS

History of a serious hypersensitivity reaction (e.g., anaphylaxis or Stevens-Johnson syndrome) to Amoxicillin and Clavulanate Potassium or to other beta-lactams (e.g., penicillins or cephalosporins). (4.1)

History of cholestatic jaundice/hepatic dysfunction associated with Amoxicillin and Clavulanate Potassium. (4.2)

WARNINGS AND PRECAUTIONS

- Serious (including fatal) hypersensitivity reactions: Discontinue Amoxicillin and Clavulanate Potassium if a reaction occurs. (5.1)
- Severe Cutaneous Adverse Reactions (SCAR): Monitor closely. Discontinue if rash progresses. (5.2)
- Drug-induced enterocolitis syndrome (DIES) has been reported with use of amoxicillin, a component of Amoxicillin and Clavulanate Potassium. If this occurs, discontinue Amoxicillin and Clavulanate Potassium and institute appropriate therapy. (5.3)
- Hepatic dysfunction and cholestatic jaundice: Discontinue if signs/symptoms of hepatitis occur. Monitor liver function tests in patients with hepatic impairment. (5.4)
- Clostridioides difficile*-associated diarrhea (CDAD): Evaluate patients if diarrhea occurs. (5.5)
- Patients with mononucleosis who receive Amoxicillin and Clavulanate Potassium develop skin rash. Avoid Amoxicillin and Clavulanate Potassium use in these patients. (5.6)
- Overshoot: The possibility of superinfections with fungal or bacterial pathogens should be considered during therapy. (5.7)

ADVERSE REACTIONS

The most frequently reported adverse reactions are diarrhea/loose stools (9%), nausea (3%), skin rashes and urticaria (3%), vomiting (1%) and vaginitis (1%). (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact USAnitibiotics, LLC at 1-844-454-5532 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DRUG INTERACTIONS

- Co-administration with probenecid is not recommended. (7.1)
- Concomitant use of Amoxicillin and Clavulanate Potassium and oral anticoagulants may increase the prolongation of prothrombin time. (7.2)
- Co-administration with allopurinol increases the risk of rash. (7.3)
- Amoxicillin and Clavulanate Potassium may reduce efficacy of oral contraceptives. (7.4)

USE IN SPECIFIC POPULATIONS

- Pediatric Use: Modify dose in patients 12 weeks or younger. (8.4)
- Renal Impairment: Dose adjustment is recommended for severe renal impairment (GFR less than 30 mL/min). (2.4, 8.6)

PATIENT COUNSELING INFORMATION

Table 3: Dosing in Patients Aged 12 Weeks (3 Months) and Older and Weighing Less than 40 kg

INFECTION	DOSING REGIMEN	
	Every 12 hours	Every 8 hours
Amoxicillin and Clavulanate Potassium 200 mg/28.5 mg per 5 mL or Amoxicillin and Clavulanate Potassium 400 mg/57 mg per 5 mL for oral suspension*	Amoxicillin and Clavulanate Potassium 125 mg/31.25 mg per 5 mL or Amoxicillin and Clavulanate Potassium 250 mg/62.5 mg per 5 mL for oral suspension*	Amoxicillin and Clavulanate Potassium 125 mg/31.25 mg per 5 mL or Amoxicillin and Clavulanate Potassium 250 mg/62.5 mg per 5 mL for oral suspension*
Otitis media*, sinusitis, lower respiratory tract infections, and more severe infections	45 mg/kg/day every 12 hours	40 mg/kg/day every 8 hours
Less severe infections	25 mg/kg/day every 12 hours	20 mg/kg/day every 8 hours

* Each strength of Amoxicillin and Clavulanate Potassium for oral suspension is available as a chewable tablet for use by older children.

Duration of therapy studied and recommended for acute otitis media is 10 days.

Patients Weighing 40 kg or More: Pediatric patients weighing 40 kg or more should be dosed according to adult recommendations.

- The 250 mg/125 mg tablet of Amoxicillin and Clavulanate Potassium should *NOT* be used until the child weighs at least 40 kg, due to the different amoxicillin to clavulanic acid ratios in the 250 mg/125 mg tablet of Amoxicillin and Clavulanate Potassium versus the 250 mg/62.5 mg chewable tablet of Amoxicillin and Clavulanate Potassium.

PATIENTS WITH RENAL IMPAIRMENT

Patients with impaired renal function do not generally require a reduction in dose unless the impairment is severe. Renal impairment patients with a glomerular filtration rate (GFR) of less than 30 mL/min should *NOT* receive the 875 mg dose (based on the amoxicillin component) of Amoxicillin and Clavulanate Potassium. See dosing regimens in patients with severe renal impairment provided in Table 4.

Table 4: Dosing Regimens of Amoxicillin and Clavulanate Potassium in Patients with Severe Renal Impairment

Patients with Renal Impairment	Dosing Regimen
GFR 10 mL/min to 30 mL/min	500 mg or 250 mg every 12 hours, depending on the severity of the infection
GFR less than 10 mL/min	500 mg or 250 mg every 24 hours, depending on severity of the infection
Hemodialysis	500 mg or 250 mg every 24 hours, depending on severity of the infection
	Administer an additional dose both during and at the end of dialysis

2.5 Directions for Mixing Amoxicillin and Clavulanate Potassium for Oral Suspension

Prepare Amoxicillin and Clavulanate Potassium for oral suspension at time of dispensing as follows: Tap bottle until all powder flows freely. Measure a total (see Table 5 below for total amount of water for reconstitution) of WATER. Add approximately 2/3 of the water to the powder. Replace cap and shake VIGOROUSLY. Add remaining water. Replace cap and shake VIGOROUSLY.

Table 5: Amount of Water for Mixing Amoxicillin and Clavulanate Potassium for Oral Suspension

Strength of Amoxicillin and Clavulanate Potassium for Oral Suspension	Bottle Size	Amount of Water for Reconstitution	Contents of Each Teaspoonful (5 mL)
125 mg/31.25 mg per 5 mL	75 mL 100 mL 150 mL	67 mL 90 mL 134 mL	125 mg of amoxicillin and 31.25 mg of clavulanic acid as the potassium salt
200 mg/28.5 mg per 5 mL	50 mL 75 mL 100 mL	50 mL 75 mL 95 mL	200 mg of amoxicillin and 28.5 mg of clavulanic acid as the potassium salt
250 mg/62.5 mg per 5 mL	75 mL 100 mL 150 mL	65 mL 87 mL 130 mL	250 mg of amoxicillin and 62.5 mg of clavulanic acid as the potassium salt
400 mg/57 mg per 5 mL	50 mL 75 mL 100 mL	50 mL 70 mL 90 mL	400 mg of amoxicillin and 57 mg of clavulanic acid as the potassium salt

Shake oral suspension well before using. Reconstituted suspension must be stored under refrigeration and discarded after 10 days. Some color change is normal during dosing period.

2.6 Switching between Dosage Forms and between Strengths

Amoxicillin and Clavulanate Potassium 250 mg/125 mg tablet is *NOT* Substitutable with Amoxicillin and Clavulanate Potassium 250 mg/62.5 mg Chewable Tablet.

The 250 mg/125 mg tablet of Amoxicillin and Clavulanate Potassium and the 250 mg/62.5 mg chewable tablet of Amoxicillin and Clavulanate Potassium should *NOT* be substituted for each other and the 250 mg/125 mg tablet of Amoxicillin and Clavulanate Potassium should *NOT* be used in pediatric patients weighing less than 40 kg (see Dosage and Administration (2.3)). The 250 mg tablet of Amoxicillin and Clavulanate Potassium and the 250 mg chewable tablet of Amoxicillin and Clavulanate Potassium do not contain the same amount of clavulanic acid. The 250 mg tablet of Amoxicillin and Clavulanate Potassium contains 125 mg of clavulanic acid whereas the 250 mg chewable tablet of Amoxicillin and Clavulanate Potassium contains 62.5 mg of clavulanic acid.

Two Amoxicillin and Clavulanate Potassium 250 mg/125 mg Tablets are *NOT* Substitutable with One 500 mg/125 mg Amoxicillin and Clavulanate Potassium Tablet.

Two 250 mg/125 mg tablets of Amoxicillin and Clavulanate Potassium should *NOT* be substituted for one 500 mg/125 mg tablet of Amoxicillin and Clavulanate Potassium. Since both the 250 mg and 500 mg tablets of Amoxicillin and Clavulanate Potassium contain the same amount of clavulanic acid (125 mg, as the potassium salt), two 250 mg tablets of Amoxicillin and Clavulanate Potassium are not equivalent to one 500 mg tablet of Amoxicillin and Clavulanate Potassium.

Two Amoxicillin and Clavulanate Potassium 250 mg/125 mg Tablets are *NOT* Substitutable with One 500 mg/125 mg Amoxicillin and Clavulanate Potassium Tablet.

Two 250 mg/125 mg tablets of Amoxicillin and Clavulanate Potassium should *NOT* be substituted for one 500 mg/125 mg tablet of Amoxicillin and Clavulanate Potassium. Since both the 250 mg and 500 mg tablets of Amoxicillin and Clavulanate Potassium contain the same amount of clavulanic acid (125 mg, as the potassium salt), two 250 mg tablets of Amoxicillin and Clavulanate Potassium are not equivalent to one 500 mg tablet of Amoxicillin and Clavulanate Potassium.

3.1 Pediatric Patients

Based on the amoxicillin component, Amoxicillin and Clavulanate Potassium should be dosed as follows:

Neonates and Infants Aged less than 12 weeks (less than 3 months): See dosing regimens of Amoxicillin and Clavulanate Potassium provided in Table 2 below.

Table 2: Dosing Regimens of Amoxicillin and Clavulanate Potassium in Neonates and Infants Aged Less than 12 Weeks (Less than 3 Months)

PATIENT POPULATION

DOSING REGIMEN

Amoxicillin and Clavulanate Potassium Tablets, USP:

- 250 mg/125 mg Tablets: Each white oval film-coated tablet, debossed with AUGMENTIN on one side and 250/125 on the other side, contains 250 mg of amoxicillin as the trihydrate and 125 mg of clavulanic acid as the potassium salt.

- 500 mg/125 mg Tablets: Each white oval film-coated tablet, debossed with AUGMENTIN on one side and 500/125 on the other side, contains 500 mg of amoxicillin as the trihydrate and 125 mg of clavulanic acid as the potassium salt.

- 875 mg/125 mg Tablets: Each scored white capsule-shaped tablet, debossed with AUGMENTIN 875 on one side and scored on the other side, contains 875 mg of amoxicillin as the trihydrate and 125 mg of clavulanic acid as the potassium salt.

Amoxicillin and Clavulanate Potassium for Oral Suspension, USP:

- 125 mg/31.25 mg per 5 mL: Banana-flavored powder for oral suspension (each 5 mL of reconstituted suspension contains 125 mg of amoxicillin as the trihydrate and 31.25 mg of clavulanic acid as the potassium salt).

- 200 mg/28.5 mg per 5 mL: Orange-flavored powder for oral suspension (each 5 mL of reconstituted suspension contains 200 mg of amoxicillin as the trihydrate and 28.5 mg of clavulanic acid as the potassium salt).

- 250 mg/62.5 mg per 5 mL: Orange-flavored powder for oral suspension (each 5 mL of reconstituted suspension contains 250 mg of amoxicillin as the trihydrate and 62.5 mg of clavulanic acid as the potassium salt).

- 400 mg/57 mg per 5 mL: Orange-flavored powder for oral suspension (each 5 mL of reconstituted suspension contains 400 mg of amoxicillin as the trihydrate and 57 mg of clavulanic acid as the potassium salt).

6.1 Clinical Trial 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 practice.

The most frequently reported adverse reactions were diarrhea/loose stools (9%), nausea (3%), skin rashes and urticaria (3%), vomiting (1%) and vaginitis (1%). Less than 3% of patients discontinued therapy because of drug-related adverse reactions. The overall incidence of adverse reactions, and in particular diarrhea, increased with the higher recommended dose. Other less frequently reported adverse reactions (less than 1%) include: abdominal discomfort, flatulence, and headache.

In pediatric patients (aged 2 months to 12 years), 1 US/Canadian clinical trial was conducted which compared 45/6.4 mg/kg/day (divided every 12 hours) of Amoxicillin and Clavulanate Potassium for 10 days versus 40/10 mg/kg/day (divided every 8 hours) of Amoxicillin and Clavulanate Potassium for 10 days in the treatment of acute otitis media. A total of 575 patients were enrolled, and only the suspension formulations were used in this trial. Overall, the adverse reactions seen were comparable to that noted above; however, there were differences in the rates of diarrhea, skin rashes/urticaria, and diaper area rashes [see Clinical Studies (14.2)].

6.2 Postmarketing Experience

In addition to adverse reactions reported from clinical trials, the following have been identified during postmarketing use of Amoxicillin and Clavulanate Potassium. Because they are reported voluntarily from a population of unknown size, estimates of frequency cannot be made. These events have been chosen for inclusion due to a combination of their seriousness, frequency of reporting, or potential causal connection to Amoxicillin and Clavulanate Potassium.

Gastrointestinal: Drug-induced enterocolitis syndrome (DIES), indigestion, gastritis, stomatitis, glossitis, black "hairy" tongue, mucocutaneous candidiasis, enterocolitis, and hemorrhagic/pseudomembranous colitis. Onset of pseudomembranous colitis symptoms may occur during or after antibiotic treatment [see Warnings and Precautions (5.5)].

Amoxicillin and Clavulanate Potassium Chewable Tablets, USP:

- 125 mg/31.25 mg Chewable Tablets: Each mottled yellow, round, lemon-lime-flavored tablet, debossed with BMP contains 125 mg of amoxicillin as the trihydrate and 31.25 mg of clavulanic acid as the potassium salt.

- 200 mg/28.5 mg Chewable Tablets: Each mottled pink, round, biconvex cherry-banana-flavored tablet, debossed with AUGMENTIN 200 contains 200 mg of amoxicillin as the trihydrate and 28.5 mg of clavulanic acid as the potassium salt.

- 250 mg/62.5 mg Chewable Tablets: Each mottled yellow, round, lemon-lime-flavored tablet, debossed with BMP 190 contains 250 mg of amoxicillin as the trihydrate and 62.5 mg of clav

Immune: Hypersensitivity reactions, anaphylactic/anaphylactoid reactions (including shock, angioedema, serum sickness-like reactions [urticaria or skin rash accompanied by arthritis, arthralgia, myalgia, and frequently fever]), hypersensitivity vasculitis [see *Warnings and Precautions* (5.1)].

Skin and Appendages: Rash, pruritis, urticaria, erythema multiforme, SJS, TEN, DRESS, AGEP, exfoliative dermatitis, and linear IgA bullous dermatosis.

Liver: Hepatic dysfunction, including hepatitis and cholestatic jaundice, increases in serum transaminases (AST and/or ALT), serum bilirubin, and/or alkaline phosphatase, has been reported with Amoxicillin and Clavulanate Potassium. It has been reported more commonly in the elderly, in males, or in patients of prolonged treatment. The histologic findings on liver biopsy have consisted of predominantly cholestatic, hepatocellular, or mixed cholestatic hepatocellular changes. The onset of signs/symptoms of hepatic dysfunction may occur during or several weeks after therapy has been discontinued. The hepatic dysfunction, which may be severe, is usually reversible. Deaths have been reported [see *Contraindications* (4.2), *Warnings and Precautions* (5.4)].

Renal: Interstitial nephritis, hematuria, and crystalluria have been reported [see *Overdosage* (10)].

Hemic and Lymphatic Systems: Anemia, including hemolytic anemia, thrombocytopenia, thrombocytopenic purpura, eosinophilia, leukopenia, and agranulocytosis have been reported. These reactions are usually reversible on discontinuation of therapy and believed to be hypersensitivity phenomena. Thrombocytopenia was noted in less than 1% of the patients treated with Amoxicillin and Clavulanate Potassium. There have been reports of increased prothrombin time in patients receiving Amoxicillin and Clavulanate Potassium and anticoagulant therapy concomitantly [see *Drug Interactions* (7.2)].

Central Nervous System: Agitation, anxiety, behavioral changes, aseptic meningitis, confusion, convulsions, dizziness, insomnia, and reversible hyperactivity have been reported.

Miscellaneous: Tooth discoloration (brown, yellow, or gray staining) has been reported. Most reports occurred in pediatric patients. Discoloration was reduced or eliminated with brushing or dental cleaning in most cases.

7 DRUG INTERACTIONS

7.1 Probenecid

Probenecid decreases the renal tubular secretion of amoxicillin but does not delay renal excretion of clavulanic acid. Concurrent use with Amoxicillin and Clavulanate Potassium may result in increased and prolonged blood concentrations of amoxicillin. Co-administration of probenecid is not recommended.

7.2 Oral Anticoagulants

Abnormal prolongation of prothrombin time (increased international normalized ratio [INR]) has been reported in patients receiving amoxicillin and oral anticoagulants. Appropriate monitoring should be undertaken when anticoagulants are prescribed concurrently with Amoxicillin and Clavulanate Potassium. Adjustments in the dose of oral anticoagulants may be necessary to maintain the desired level of anticoagulation.

7.3 Allopurinol

The concurrent administration of allopurinol and amoxicillin increases the incidence of rashes in patients receiving both drugs as compared to patients receiving amoxicillin alone. It is not known whether the potentiation of amoxicillin rashes is due to allopurinol or the hyperuricemia present in these patients.

7.4 Oral Contraceptives

Amoxicillin and Clavulanate Potassium may affect intestinal flora, leading to lower estrogen reabsorption and reduced efficacy of combined oral estrogen/progesterone contraceptives.

7.5 Effects on Laboratory Tests

High urine concentrations of amoxicillin may result in false-positive reactions when testing for the presence of glucose in urine using CLINITEST®, Benedict's Solution, or Fehling's Solution. Since this effect may also occur with Amoxicillin and Clavulanate Potassium, it is recommended that glucose tests based on enzymatic glucose oxidase reactions be used.

Following administration of amoxicillin to pregnant women, a transient decrease in plasma concentration of total conjugated estriol, estriol-glucuronide, conjugated estrene, and estradiol has been noted.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Teratogenic Effects: Pregnancy Category B. Reproduction studies performed in pregnant rats and mice given Amoxicillin and Clavulanate Potassium (2:1 ratio formulation of amoxicillin:clavulanate) at oral doses up to 1200 mg/kg/day revealed no evidence of harm to the fetus due to Amoxicillin and Clavulanate Potassium. The amoxicillin doses in rats and mice (based on body surface area) were approximately 4 and 2 times the maximum recommended adult human oral dose (875 mg every 12 hours). For clavulanic, these dose multiples were approximately 9 and 4 times the maximum recommended adult human oral dose (25 mg every 8 hours). There are, however, adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

8.2 Labor and Delivery

Oral ampicillin-class antibiotics are poorly absorbed during labor. It is not known whether use of amoxicillin and clavulanate potassium in humans during labor or delivery has immediate or delayed adverse effects on the fetus, prolongs the duration of labor, or increases the likelihood of the need for an obstetrical intervention.

8.3 Nursing Mothers

Amoxicillin has been shown to be excreted in human milk. Amoxicillin and clavulanate potassium by nursing mothers may lead to sensitization of infants. Caution should be exercised when amoxicillin and clavulanate potassium is administered to a nursing woman.

8.4 Pediatric Use

The safety and effectiveness of Amoxicillin and Clavulanate Potassium for Oral Suspension and Chewable Tablets have been established in pediatric patients. Use of Amoxicillin and Clavulanate Potassium in pediatric patients is supported by evidence from studies of Amoxicillin and Clavulanate Potassium Tablets in adults with additional data from a study of Amoxicillin and Clavulanate Potassium for Oral Suspension in pediatric patients aged 2 months to 12 years with acute otitis media [see *Clinical Studies* (14.2)].

Because of incompletely developed renal function in neonates and young infants, the elimination of amoxicillin may be delayed; clavulanic elimination is untested in this age group. Dosing of Amoxicillin and Clavulanate Potassium should be modified in pediatric patients aged less than 12 weeks (less than 3 months) [see *Dosage and Administration* (2.3)].

8.5 Geriatric Use

Of the 3,119 patients in an analysis of clinical studies of Amoxicillin and Clavulanate Potassium, 32% were greater than or equal to 65 years old, and 14% were greater than or equal to 75 years old. No overall differences in safety or effectiveness were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out.

This drug is known to be substantially excreted by the kidney, and the risk of adverse reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and it may be useful to monitor renal function.

8.6 Renal Impairment

Amoxicillin is primarily eliminated by the kidney and dosage adjustment is usually required in patients with severe renal impairment (GFR less than 30 mL/min). See Patients with Renal Impairment [see *Dosage and Administration* (2.4)] for specific recommendations in patients with renal impairment.

10 OVERDOSAGE

In case of overdose, discontinue medication, treat symptomatically, and institute supportive measures as required. A prospective study of 51 pediatric patients at a poison-control center suggested that overdoses of less than 250 mg/kg of amoxicillin are not associated with significant clinical symptoms.

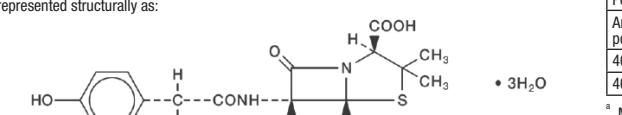
Interstitial nephritis resulting in oliguric renal failure has been reported in patients after overdosage with amoxicillin and clavulanate potassium.

Crystalluria, in some cases leading to renal failure, has also been reported after amoxicillin and clavulanate potassium overdosage in adult and pediatric patients. In case of overdose, adequate fluid intake and diuresis should be maintained to reduce the risk of amoxicillin and clavulanate potassium crystalluria.

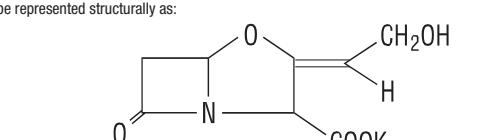
Renal impairment appears to be reversible with cessation of drug administration. High blood levels may occur more readily in patients with impaired renal function because of decreased renal clearance of amoxicillin and clavulanate potassium. Amoxicillin and clavulanate potassium may be removed from circulation by hemodialysis [see *Dosage and Administration* (2.4)].

11 DESCRIPTION

Amoxicillin and Clavulanate Potassium is an oral antibacterial combination consisting of amoxicillin and the beta-lactamase inhibitor, clavulanate potassium (the potassium salt of clavulanic acid). Amoxicillin is an analog of ampicillin, derived from the basic penicillin nucleus, 6-aminopenicillanic acid. The amoxicillin molecular formula is $C_{16}H_{19}N_3O_4S \cdot 3H_2O$, and the molecular weight is 419.46. Chemically, amoxicillin is (2S,5R)-6-[(R)-2-Amino-2-(β -hydroxyphenyl)acetamido]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid trihydrate and may be represented structurally as:



Clavulanic acid is produced by the fermentation of *Streptomyces clavigerus*. It is a beta-lactam structurally related to the penicillins and possesses the ability to inactivate some beta-lactamases by blocking the active sites of these enzymes. The clavulanate potassium molecular formula is $C_8H_{12}KNO_3$, and the molecular weight is 237.25. Chemically, clavulanate potassium is potassium (2R,5R)-3-(β -hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]heptane-2-carboxylate and may be represented structurally as:



Amoxicillin and Clavulanate Potassium Tablets:

- **250 mg/125 mg:** Each tablet contains 250 mg of amoxicillin as the trihydrate, and 125 mg of clavulanic acid (equivalent to 149 mg of clavulanate potassium).
- **500 mg/125 mg:** Each tablet contains 500 mg of amoxicillin as the trihydrate, and 125 mg of clavulanic acid (equivalent to 149 mg of clavulanate potassium).
- **875 mg/125 mg:** Each tablet contains 875 mg of amoxicillin as the trihydrate, and 125 mg of clavulanic acid (equivalent to 149 mg of clavulanate potassium).

Amoxicillin and Clavulanate Potassium for Oral Suspension:

- **125 mg/31.25 mg:** Following constitution, each 5 mL of oral suspension contains 125 mg of amoxicillin as the trihydrate, and 31.25 mg of clavulanic acid (equivalent to 37.23 mg of clavulanate potassium).
- **200 mg/28.5 mg:** Following constitution, each 5 mL of oral suspension contains 200 mg of amoxicillin as the trihydrate, and 28.5 mg of clavulanic acid (equivalent to 34 mg of clavulanate potassium).
- **250 mg/62.5 mg:** Following constitution, each 5 mL of oral suspension contains 250 mg of amoxicillin as the trihydrate, and 62.5 mg of clavulanic acid (equivalent to 74.5 mg of clavulanate potassium).
- **400 mg/57 mg:** Following constitution, each 5 mL of oral suspension contains 400 mg of amoxicillin as the trihydrate, and 57 mg of clavulanic acid (equivalent to 68 mg of clavulanate potassium).

Amoxicillin and Clavulanate Potassium Chewable Tablets:

- **125 mg/31.25 mg:** Each chewable tablet contains 125 mg of amoxicillin as the trihydrate, and 31.25 mg of clavulanic acid (equivalent to 37.23 mg of clavulanate potassium).
- **200 mg/28.5 mg:** Each chewable tablet contains 200 mg of amoxicillin as the trihydrate, and 28.5 mg of clavulanic acid (equivalent to 34 mg of clavulanate potassium).
- **250 mg/62.5 mg:** Each chewable tablet contains 250 mg of amoxicillin as the trihydrate, and 62.5 mg of clavulanic acid (equivalent to 74.5 mg of clavulanate potassium).
- **400 mg/57 mg:** Each chewable tablet contains 400 mg of amoxicillin as the trihydrate, and 57 mg of clavulanic acid (equivalent to 68 mg of clavulanate potassium).

Inactive Ingredients:

- **Amoxicillin and Clavulanate Potassium Tablets:** Colloidal silicon dioxide, hypromellose, magnesium stearate, microcrystalline cellulose, polyethylene glycol, sodium starch glycolate, and titanium dioxide.
- **Amoxicillin and Clavulanate Potassium for Oral Suspension:** 125 mg/31.25 mg per 5mL and 250 mg/62.5 mg per 5mL - Colloidal silicon dioxide, flavorings, xanthan gum, mannitol, succinic acid, silica gel and sodium saccharin.
- **Amoxicillin and Clavulanate Potassium Chewable Tablets:** 125 mg/31.25 mg oral suspension of Amoxicillin and Clavulanate Potassium contains 0.16 mEq potassium.

Amoxicillin and Clavulanate Potassium for Oral Suspension, 200 mg/28.5 mg per 5mL and 400 mg/57 mg per 5mL:

- Each 5 mL of reconstituted 125 mg/31.25 mg oral suspension of Amoxicillin and Clavulanate Potassium contains 0.14 mEq potassium.
- Each 5 mL of reconstituted 400 mg/57 mg oral suspension of Amoxicillin and Clavulanate Potassium contains 0.29 mEq potassium.

Amoxicillin and Clavulanate Potassium Chewable Tablets, 125 mg/31.25 mg and 250 mg/62.5 mg:

- Each 250 mg/62.5 mg oral suspension of Amoxicillin and Clavulanate Potassium contains 0.32 mEq potassium.

Amoxicillin and Clavulanate Potassium Chewable Tablets, 200 mg/28.5 mg and 400 mg/57 mg:

- Each 200 mg/28.5 mg chewable tablet of Amoxicillin and Clavulanate Potassium contains 0.16 mEq potassium.
- Each 250 mg/62.5 mg chewable tablet of Amoxicillin and Clavulanate Potassium contains 0.32 mEq potassium.

Amoxicillin and Clavulanate Potassium Chewable Tablets, 200 mg/28.5 mg and 400 mg/57 mg:

- Each 400 mg/57 mg chewable tablet of Amoxicillin and Clavulanate Potassium contains 0.29 mEq potassium.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Amoxicillin and Clavulanate Potassium is an antibacterial drug [see *Microbiology* (12.4)].

12.2 Pharmacokinetics

Mean amoxicillin and clavulanate potassium pharmacokinetic parameters in normal adults following administration of Amoxicillin and Clavulanate Potassium Tablets are shown in Table 6 and following administration of Amoxicillin and Clavulanate Potassium for Oral Suspension and Chewable Tablets are shown in Table 7.

Table 6: Mean (±S.D.) Amoxicillin and Clavulanate Potassium Pharmacokinetic Parameters^{a,b} with Amoxicillin and Clavulanate Potassium Tablets

Dose and Regimen of Amoxicillin and Clavulanate Potassium	C_{max} (mcg/mL)	AUC_{0-24} (mcg \cdot h/m ²)
Amoxicillin and Clavulanate potassium		
Amoxicillin		
250 mg/125 mg every 8 hours	3.3 ± 1.12	1.5 ± 0.70
500 mg/125 mg every 12 hours	6.5 ± 1.41	1.8 ± 0.61
1000 mg/250 mg every 8 hours	12.6 ± 4.56	3.3 ± 1.95
2000 mg/500 mg every 12 hours	22.0 ± 7.26	4.2 ± 1.83
4000 mg/1000 mg every 8 hours	33.4 ± 8.87	5.3 ± 2.86
8000 mg/2000 mg every 12 hours	53.5 ± 12.31	10.2 ± 3.04
Clavulanate potassium		
Amoxicillin and Clavulanate Potassium		
250 mg/125 mg every 8 hours	3.3 ± 1.12	1.5 ± 0.70
500 mg/125 mg every 12 hours	6.5 ± 1.41	1.8 ± 0.61
1000 mg/250 mg every 8 hours	12.6 ± 4.56	3.3 ± 1.95
2000 mg/500 mg every 12 hours	22.0 ± 7.26	4.2 ± 1.83
4000 mg/1000 mg every 8 hours	3	