

ZOLDEM

10 mg FILM-COATED TABLET SEDATIVE / HYPNOTIC

FORMULATION

PRODUCT DESCRIPTION
Zolpidem tartrate (Zoldem) is a light blue, cap

Colpidem is a nonthenzodiazepine sedative-hypnotic which preferentially binds to omega-1 receptor subtype (benzodiazepine-1 or BZ.) which corresponds to the gamma aminobuyhic acid (GABA), receptor containing the q. subunit. In contrast, benzodiazepines nonselectively bind to both omega-1 and omega-2 subtypes. The modulation of the chindre aminor hannel with its GABA, receptor leads to the specific sedative effects of zolpidem.

subtypes. The modulation of the chloride anion channel via this GABA, receptor leads to the specific sedative effects or izopidem. In humans, zopidiem decreases sleep latency and the number of awakenings, and increases sleep duration and sleep quality. These effects are associated with a characteristic electroencephalogram (EEG) profile, different from that of the benzodiazepines. In studies that measured the percentage of time spent in each sleep stage, zopidiem has no influently been shown to preserve sleep stages. At the recommended dose, zopidiem has no influent on the paradoxical sleep duration (rapid eye movement or EEM). The preservation of deep sleep (stages 3 and 4 slow-wave sleep) may be explained by the selective omega-1 binding by zopidiem.

The selectivity of zopidem for EZ, receptors is thought to be responsible for its greater potency as a sedative-hyprotic as opposed to an anticonvulsant muscle relaxant agent. The properties of zopidem can be summarized as: sedative>anticonvulsant>muscle relaxant agent. This contrasts with those of benzodiazepines, which can be represented as anticonvulsant>muscle relaxant>sedative.

PHARMACOKINETICS

Zolpidem trartes biovariability is about 70% following oral administration and demonstrates linear kinetics in the therapeutic dose range of 5 to 20 mg. The peak plasma concentration (C_m) is reached at 0.5 to 3 hours.

Allood effects duty showed that with bod, mean area under the curve (AUC) and C_m, were decreased by 15% and 25%, respectively, while mean time to reach plasma concentration (T_m) was prolonged by 60% (from 1.4 to 2.2 hours). The half-fille remained unchanged. This study showed that for faster sleep onset, zolpidem should not be given with or immediately after a meal.

Total protein binding was found to be \$25.50.11% and remained constant; independent of concentration between 40 and 790 ng/mL. The volume of distribution is 0.54 ± 0.02 L/kg, Zolpidem tartrate off in the inversion and hydroxylotion, principally by CyP3A4 and to a lesses extent by CYP1A2 and CYP2D6. It has no active metabolities in his letter of the inversion and the control of the

Special Population:

Elderly: Zolpidem tartrate mean C_{soc.} t_{soc.} and AUC were significantly increased in the elderly compared to young adults. Zolpidem tartrate did not accumulate in elderly: subjects following nightly oral dosing of 10 mg for one week.

Hepatic Impairment: After a single Com gord at political matrate dose, mean C_{soc.} and AUC were found to be two times (250 vs 499 ng/mL) and five times (788 vs 4,203 ng.h/mL) higher, respectively, in hepatically-compromised patients. T_{soc.} did not change. The mean t_{soc.} in cirribotic patients of 9.9 hours was greater than that observed in normal subjects of 22 hours. Dosing should be adjusted in patients with hepatic insufficiency.

Renal Impairment: No statistically significant differences were observed for C_{soc.} T_{soc.} t_{soc.} and AUC between the first and last of drug administration when baseline concentration adjustments were made. No accumulation of unchanged durg appeared after 14 or 21 days. Zolpidem tartrate pharmacokinetics were not significantly different in renally impaired patients. Dosage adjustment is not recommended.

Gender: Women clear zolpidem tartrate from the body at a lower rate than men. C_{soc.} and AUC parameters of zolpidem were approximately 45% higher at the same dose in female subjects compared with male subjects. In gentartic patients, clearance of zolpidem tartrate is similar in men and women.

DOSAGE AND ADMINISTRATION

Zolpidem tartate must be initiated with the lowest recommended dose and used for the shortest possible time. Zolpidem tartate acts rapidly and therefore should be taken immediately before bedtime. Zolpidem tartate should be administered without food. The effect of the drug may be slowed by ingestion with of The dose of Zolpidem tartate should be individualized.

en) and either 5 or 10 mg (r

Recommended Zolpidem Adult Oral Dose: Adults below 55 years old: Initially, 5 mg (women) and either 5 or 10 mg (remaining before he planned time of awakening, If the 5 mg dose is not effective, the dose can be increased to 10 mg. In some patients, the higher morning blood levels following use of the 10 require full alternate.

require full alertness.
The recommended initial doses for women and men are different because zolpidem tartrate clearance is lower in women.

Maximum dose: 10 mg once per day immediately before bedtime.
The duration of treatment should usually vary from few days to two weeks with a maximum of four weeks including tapering off where clinically appropriate.
As with all hyprotics, long-turn use is not recommended and a course of treatment should not exceed four weeks. Extending treatment should only be done after careful reevaluation of the patient.

Special Population:
Elderly or debilitated patients:
5 mg once per day immediately before bedtime these pati should not be exceeded.

Patients with hepatic insufficiency: As clearance and metabolism of zolpidem tartrate is reduced in hepatic impairment, dosage should begin at 5 mg once per day immediately before bedtime in these patients with particular caution being exercised in elderly patients. In adults (under 6 years old), dosage may be increased to 10 mg only where the clinical response is inadequate and the drug is well tolerated. Or, as prescribed by a physician.

CONTRAINDICATIONS

Hypersensitivity to zolpidem or to other ingredients in m

Obstructive sleep apnea

Myasthemia gravis

Severe hepatic insufficiency

Acute and/or severe respiratory depression

History of abuse of drugs, alcohol, or other substances

Children

- WARNINGS AND PRECAUTIONS

- WAKININGS AND PRECAULITIONS

 (ONS depressant effects and next day impairment
 Zolipidem latrate, like other sedative-hyprotic drugs, has central nervous system (CNS) depressant effects. Coadministration with other CNS depressants
 (e.g., penzodazegines, opioids, incyclic antidepressants, alcohol) increases the risk of CNS depression. Dosage adjustment of zolpidem tartrate and of other
 concomitant CNS depressants may be necessary when zolpidem tartrate is administered with such agents because of the potentially additive effects. The use
 of zolpidem tartrate with other sedative-hyprotics (including other zolpidem prouds) at beatime or in the middle of the night is not recommended.

he risk of next-day psychomotor impairment, inc to 8 hours); if a higher than the recommender crease the blood levels of zolpidem tartrate. Pat rtrate is taken in these circumstances. ving, is increased if zolpidem tartrate is taken with less than a full night of sleep remaining coadministered with other CNS depressants; or if coadministered with other drugs that bloned against driving and other activities requiring complete mental alertness if zolpidem

Abnormal thinking and behavioral changes
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Abnormal thinking and behavior changes have been reported in patients treated with sedative/hypnotics, including zolpidem tartrate. Some of these changes included decreased inhibition (e.g., aggressiveness and extroversion that seemed out of character), bizare behavior, agitation and depersonalization. Visual and auditory hallundarions have been reported.
Complex behaviors such as "sleep-driving" (i.e., driving while not fully awake after ingestion of a sedative-hyprotic, with amensa for the event have been reported in seadative-hyprotic have experienced persons. Although behaviors such as "sleep-driving" have occurred with zolpidem tartrate alone at therapeutic doses, the concomitant use of zolpidem tartrate with alcohol and other CNS depressants increases the risk of such behaviors, as does the use of zolpidem tartrate at should be screenly considered for patients who report a "sleep-driving" pelsoed due to the risk to the patient and the community.

Other complex behaviors (e.g., preparing and eating food, making phone calls, or having sex) have been reported in patients who are not fully awake after taking a seadative-hyprotic. As with "sleep-driving", patients usually do not remember these events. Annesia, anxiety and other neuropsychiatric symptoms may also occur.

It can rarely be determined with certainty whether a particular instance of the abnormal behaviors listed above is drug induced, spontaneous in origin, or a result of an underlying psychiatric or physical disorder. However, the emergence of any new behavioral sign or symptom of concern requires careful and immediate evaluation.

Evaluation for co-morbid diagnoses
Symptomatic treatment of insomnia should be initiated only after a careful evaluation of the patient since sleep disturbances may be the presenting manifestation of a physical and/or psychiatric disorder. The failure of insomnia to remit after 7 to 10 days of treatment may indicate the presence of a primary psychiatric and/or medical illness that should be evaluated. Worsening of insomnia or the emergence of new thinking or behavior abnormalities may be the consequence of an unrecognized psychiatric or physical disorder. These findings have emerged during the course of treatment with sedative/hypnotic drugs, including zolipidem tartrate.

Use in patients with depression

There have been reports of worsening of depression, and suicidal thoughts and actions (including completed suicides), in primarily depressed patients treated
with seadive-hypotics. Suicidal tendencies may be present in such patients and protective measures may be required. Intentional overdosage is more
common in these patients; thus, the lowest number of tablets that is feasible should be prescribed for the patient at any one time.

Respiratory depression
Since sedative-hypotocis have the capacity to depress respiratory drive, precautions should be taken if zolpidem tartrate is prescribed to patients with
compromised respiratory function. There have been postmarketing reports of respiratory insufficiency in patients receiving 10 mg of zolpidem tartrate, most of
whom had pre-existing respiratory impairment. The risk of respiratory depression should be considered prior to prescribing zolpidem tartrate in patients with
respiratory impairment including sleep apnea and myasthenia gravis. Severe anaphylactic and anaphylactoid reactions

Rare cases of angioedema involving the tongue, glottis or larynx have been observed in patients after the first or subsequent doses of sedative-hypnotics, including polipidem tratrate. Additional symptoms are dysprea, throat closing, or nausea and vomiting that suggest anaphylaxis. Airway obstruction may occur and may be fatal if angioedema involves the throat, glottis or larynx. If patient develops angioedema, discontinue zolpidem tartrate and do not attempt to remidiate freatment.

Drug Abuse and Dependence
Abuse is characterized by misuse of the drug for non-medical purposes, often in combination with other psychoactive substances. Addiction is a primary, chronic, neurobiological diseases with genetic, psychosocial, and environmental factors influencing its development and manifestations. Patients with history of addiction to or abuse of drugs or alcohol and/or concomitant psychiatric illness are at increased risk for misuse, abuse and addiction of zolpidem tartrate. Therefore, these patients should be closely monitored during zolpidem tartrate therapy.

Psyciacl dependence is a state of adaptation that is manifested by a specific withdrawal syndrome that can be produced by abrupt cessation, rapid dose reduction, decreasing blood level of the drug, and/or administration of an antagonist. Sedative/hypnotics have produced withdrawal signs and symptoms following abrupt discontinuation. These reported symptoms range from millid dysphoria and insomnia to a withdrawal syndrome that may include abdominal and muscle cramps, vomiting, sweating, tremors, and convulsions.

Amnesia
Benzodiazepines or benzodiazepine-like agents may induce anterograde amnesia. This condition occurs most often several hours after ingesting the product; therefore, to reduce the risk, patients should ensure that they will be able to have an uninterrupted sleep of 7 to 8 hours.

Psychiatric and "paradoxical" reactions Reactions such as resilessness, aggravated insomnia, agitation, irritability, aggressiveness, delusion, rages, nightmares, hallucinations, psychoses, inappropriate behavior and other adverse behavioral effects are known to occur when using benzodiazepines or benzodiazepine-like agents. Should this occur pclipident ratrate should be discontinued. These reactions are more likely to occur in the eleidry.

INTERACTIONS WITH OTHER MEDICAMENTS

• Alcohol: Concentration

Rebound insomnia

A transient syndrome whereby the symptoms that led to treatment with a benzodiazepine or on withdrawal of hypnotic treatment. It may be accompanied by other reactions such as mood Patient should be informed of the possibility of rebound phenomena, thus minimizing an discontinued. Since the risk of withdrawal phenomena or rebound has been shown to be great that the dosage is decreased gradually where clinically appropriate. There are indications that, in the case of benzodiazepines and benzodiazepine-like agermanifest within the dosage interval, particularly when the dosage is high. nomena, thus minimizing anxiety over such symptoms should they occur when the nts with a short duration of action, withdrawal phenomena ca

INTERACTIONS WITH OTHER MEDICAMENTS

• Alcohol: Concomitant use with zolpidem tartrate is not recommended. The sedative effect may be enhanced when zolpidem tartrate is used in combination with alcohol. This effects the ability to drive or use machines.

• Imipramine: Concomitant use of imipramine and zolpidem tartrate produced no pharmacokinetic interaction other than a 20% decrease in peak levels of imipramine; Concomitant use of imipramine and zolpidem tartrate produced no pharmacokinetic interaction, but there was an additive effect of decreased alertness and psychomotor performance.

• Chlorpromazine: Concomitant use of zolpidem tartrate and fluxetine, an increase in the zolpidem tartrate half-life (17%) was observed. There was no evidence of an additive effect of long in the presence of setratine is 5 mg, zolpidem tartrate tartate. After five consecutive nightly doses at bedtime of oral zolpidem tartrate to mg in the presence of setratine is 5 mg, zolpidem tartrate C__was significantly identificantly inder cased (53%). This interaction may cause increased drowelness, Also, isolated cases of visual hallucinations were reported.

• Rifumption: Zolpidem tartrate plasma concentrations and effects are significantly reduced by rifamption.

• Reto-conazole: Increased pharmacodynamic effects of zolpidem tartrate.

Cansideration should be given to using lower dose of zolpidem tartrate with teleconazole and a variance the sedative effects.

• Itraconazole: Concomitant use resulted in 34% increase in AUC,__of zolpidem. There were no significant pharmacodynamic effects of zolpidem tartrate with teleconazole may enhance the sedative effects.

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- - on subjective drowsiness, postural sway or psychomotor performance.

 * Haloperidof: Concomitant use showed no effect of haloperidof on the pharmacokinetics and pharmacokynamics of zolpidem tartrate. The lack of a drug interaction following single-dose administration does not predict the absence of an effect after chronic administration.

 * Climetridine and rankfuline: Concomitant use of zolpidem tartrate with climetridine or rankfuline showed no significant pharmacokinetic interactions.

 * Olipoxin: Zolpidem tartrate had no effect on digoxin pharmacokinetics and did not affect protromibit lines when given with warfarin in healthy subjects.
 - STATEMENT OF USAGE FOR HIGH-RISK GROUPS PREGNANCY AND LACTATION
 - Pregnancy
 Pregnancy Category C. There are no adequate and well-contripotential benefit outweighs the potential risk to the fetus.

Labor and delivery/Lactation
There is no established use of zolpidem tartrate in labor and delivery.
Small quantities of zolpidem tartrate appear in breast milk. The use of zolpidem tartrate in breastfe

Studies in children to assess the effects of prenatal exposure to zolpidem tartrate have not been done; however, there have been case reports of severe neonatal respiratory depression when zolpiden tartrate was used at the end of pregnancy, particularly when taken with other CNS-depressants. Children born to mothers taking adative-hypnotic drugs may be at risk for withdrawal symptoms during the postnatal period. Neonatal flaccidity has also been reported in infants born to mothers who received sedative-hypnotic drugs during pregnancy.

eding mothers is there INFANTS AND CHILDREN
Salety and effectiveness of zolpidem tartrate in pediatric patients under 18 years old have not been established. Thus, zolpidem tartrate should not be

Safety and effectiveness o prescribed in this population

GERIATRIC

Adverse effects of zolpidem tartrate tend to be dose related, particularly in the elderly. The initial dose of zolpidem tartrate should be reduced to decrease the possibility of adverse effects. These patients also should be monitored closely. PATIENTS WITH CONCOMITANT ILLNESS
Caution should be exercised in the state of the s Caution should be exercised in giving zolpidem tartrate in patients with diseases or conditions that could affect the metabolism or hemodynamic respons such as sleep apnea syndrome or myasthenia gravis.

ADVERSE EFFECTS / UNDESIRABLE EFFECTS (See Warnings and Precautions)
Body as a Whole: Falls, allergy, allegir eaction, allergy aggravated, anaphylactic shock, edema, face edema, angioneurotic edema, back pain, influenzalike symptoms, pain, chest pain, pallor, asthenia, latique, fever, malaise, rusuma, hot flashes, rigors, tolerance increased, infection, abscess herpes simplex Doug sa e vrroue: Pails, aiergy, aiergy, creation, aiergy aggravated, anaphylacids chock, edema, face defena, angioneurotic defina, back pain, influenza-like symptoms, pain, chest pain, palich, sathenia, fatigue, fever, malaise, trauma, hof tlashes, rigors, tolerance increased, infection defena, back pain, influenza-like symptoms, pain, chest pain, pain, caste pain, pai

tunies

Hapatic
**Lonomal hepatic function, increased serum concentrations of asparlate aminotransferase (AST) alanine aminotransferase (ALT), increased serum dialitations of asparlate aminotransferase (AST) alanine aminotransferase (ALT), increased serum dialitation propositions in the state of the

Hematologic: increased etyrutovire securientenom rae, areane, representation from the control of the introndosis introduction of the control of the control

Overdosage with zolpidem tartrate atone or in combination with CNS depressant agents resulted in impairment of consciousness ranging from somnotence to come, cardiovascular and/or respiratory compromise, and fatal outcomes.

General symptomatic and supportive measures should be used along with immediate gastric lavage as necessary. Intravenous fluids should be given as needed. Flumazenil is shown to reduce zolpidem tartrate sedative hyprotice effect and therefore, may be useful; however, flumazenil's use may contribute to the appearance of neurological symptoms such as convolusions. Respiration, pulse, blood pressure, and other appropriate signs should be monitored and general supportive measures should be employed. Hypotension and CNS depression should be monitored and treated by appropriate medical intervention. Even if excitation occurs, sedding (mays should be withheid after zolpidem tartrate overdosage. The improfance of dialysis in the treath of overdosage has not been determined, although hemodialysis studies in patients with renal failure receiving therapeutic doses have shown zolpidem tartrate to be not dialyzable.

not been determined, and a dialyzable.

The possibility of multiple drug ingestion should be considered in the m ADVERSE DRUG REACTION REPORTING STATEMENT
For suspected adverse drug reaction, seek medical attention immediately and report to the FDA at www.fda.gov.ph AND Unitab at (+632) 858-1000 or productsetive/jumila.com/pi. By veroring understable effects, you can help provide more information on the safety of this medicine.

AVAILABILITY
Zolpildem Tartrate (Zoldem) 10 mg Film-coated tablet - Opaque white PVC/PVDC tt
DR-XY32230

Foods, Drugs, Devices, and Cosmetics Act prohibits dispensing without Dangerous Drug - to be prescribed in the personalized prescription form in triplicate copies by an S-2 licensed physician.

Manufactured by AMHERST LABORATORIES, INC. UNILAB Pharma Campus, Barangay Mar Biñan, Laguna, Philinnings Biñan, Laguna, Philippines for UNILAB, Inc. No. 66 United Street, Mandaluyor Metro Manila, Philippines

ım foil blister strip x 10's (box of 30's)

Date of First Authorization: November 16, 2007

STORAGE
Store at temperatures not exceeding 30°C P300000018663

on: August 2014