



## NAME OF THE MEDICINAL PRODUCT

### Tradenames

ULTRACET®

### International Non-Proprietary Names

Tramadol

Acetaminophen

## QUALITATIVE AND QUANTITATIVE COMPOSITION

ULTRACET® is available as Light yellow, film-coated capsule-shaped tablet debossed "J-C" on one side and "T/P" on the other for oral administration containing 37.5 mg tramadol hydrochloride and 325 mg acetaminophen (N-acetyl-p-aminophenol).

## PHARMACOLOGICAL PROPERTIES

### Chemical Names

#### Tramadol Hydrochloride

(±)cis-2-[(dimethylamino)methyl]-1-(3-methoxyphenyl) cyclohexanol hydrochloride.

#### Acetaminophen

N-acetyl-p-aminophenol (4-hydroxyacetanilide).

### Pharmacodynamic Properties

Pharmacotherapeutic group: Analgesics, Opioids in combination with non-opioid analgesics, ATC code: N02AJ13

### Pharmacodynamic effects

Tramadol is a centrally acting synthetic opioid analgesic. Although its mode of action is not completely understood, from animal tests, at least two complementary mechanisms appear applicable: binding of parent and M1 metabolite to  $\mu$ -opioid receptors and weak inhibition of reuptake of norepinephrine and serotonin.

Opioid activity is due to both low affinity binding of the parent compound and higher affinity binding of the O-demethylated metabolite M1 to  $\mu$ -opioid receptors. In animal models, M1 is up to 6 times more potent than tramadol in producing analgesia and 200 times more potent in  $\mu$ -opioid binding. Tramadol-induced analgesia is only partially antagonized by the opiate antagonist naloxone in several animal tests. The relative contribution of both tramadol and M1 to human analgesia is dependent upon the plasma concentrations of each compound (see Pharmacokinetics).

Tramadol has been shown to inhibit reuptake of norepinephrine and serotonin in vitro, as have some other opioid analgesics. These mechanisms may contribute independently to the overall analgesic profile of tramadol.

Apart from analgesia, tramadol administration may produce a constellation of symptoms (including dizziness, somnolence, nausea, constipation, sweating and pruritus) similar to that of other opioids.

### Acetaminophen

Acetaminophen is a non-opiate, non-salicylate analgesic.

### Pharmacokinetic Properties

#### General

Tramadol is administered as a racemate and both the [-] and [+] forms of both tramadol and M1 are detected in the circulation. The pharmacokinetics of plasma tramadol and acetaminophen following oral administration of one

ULTRACET® tablet are shown in Table 1. Tramadol has a slower absorption and longer half-life when compared to acetaminophen.

**Table 1. Summary of Mean (±SD) Pharmacokinetic Parameters of the (+)- and (-) Enantiomers of Tramadol and M1 and Acetaminophen Following A Single Oral Dose of One Tramadol/Acetaminophen Combination Tablet (37.5 mg/325 mg) in Volunteers**

| Parameter <sup>a</sup>   | (+)- Tramadol |       | (-)-Tramadol |       | (+) -M1 |       | (-) -M1 |       | Acetaminophen |       |
|--------------------------|---------------|-------|--------------|-------|---------|-------|---------|-------|---------------|-------|
| C <sub>max</sub> (ng/mL) | 64.3          | (9.3) | 55.5         | (8.1) | 10.9    | (5.7) | 12.8    | (4.2) | 4.2           | (0.8) |
| t <sub>max</sub> (h)     | 1.8           | (0.6) | 1.8          | (0.7) | 2.1     | (0.7) | 2.2     | (0.7) | 0.9           | (0.7) |
| CL/F (mL/min)            | 588           | (226) | 736          | (244) | -       | -     | -       | -     | 365           | (84)  |
| t <sub>1/2</sub> (h)     | 5.1           | (1.4) | 4.7          | (1.2) | 7.8     | (3.0) | 6.2     | (1.6) | 2.5           | (0.6) |

<sup>a</sup> For acetaminophen, C<sub>max</sub> was measured as mcg/mL

A single dose pharmacokinetic study of ULTRACET® in volunteers showed no drug interactions between tramadol and acetaminophen. Upon multiple oral dosing to steady state, however, the bioavailability of tramadol and metabolite m1 was lower for the combination tablets compared to tramadol administered alone. The decrease in AUC was 14% for (+)-tramadol, 10.4% for (-)-tramadol, 11.9% for (+)-m1 and 24.2% for (-)-m1. The cause of this reduced bioavailability is not clear. Following single or multiple dose administration of Ultracet®, no significant change in acetaminophen pharmacokinetics was observed when compared to acetaminophen given alone.

#### ABSORPTION

The absorption bioavailability of tramadol from ULTRACET® tablets has not been determined. Tramadol hydrochloride has a mean absolute bioavailability of approximately 75% following administration of a single 100 mg oral dose of ULTRACET® tablets. The mean peak plasma concentration of racemic tramadol and M1 after administration of two ULTRACET® tablets occurs at approximately two and three hours, respectively, post-dose.

Peak plasma concentrations of acetaminophen occur within one hour and are not affected by co-administration with tramadol. Oral absorption of acetaminophen following administration of ULTRACET® occurs primarily in the small intestine.

#### Food Effects

When ULTRACET® was administered with food, the time to peak plasma concentration was delayed for approximately 35 minutes for tramadol and almost one hour for acetaminophen. However, peak plasma concentration or the extent of absorption of either tramadol or acetaminophen were not affected. The clinical significance of this difference is unknown.

#### Distribution

The volume of distribution of tramadol was 2.6 and 2.9 L/kg in male and female subjects, respectively, following a 100 mg intravenous dose. The binding of tramadol to human plasma proteins is approximately 20% and binding also appears to be independent of concentration up to 10 µg/mL. Saturation of plasma protein binding occurs only at concentrations outside the clinically relevant range. Acetaminophen appears to be widely distributed throughout most body tissues except fat. Its apparent volume of distribution is about 0.9 L/kg. A relative small portion (~20%) of acetaminophen is bound to plasma protein.

#### Metabolism

Following oral administration, tramadol is extensively metabolized by a number of pathways, including CYP2D6 and CYP3A4, as well as by conjugation of parent and metabolites.

Approximately 30% of the dose is excreted in the urine as unchanged drug, whereas 60% of the dose is excreted as metabolites. The major metabolic pathways appear to be *N*- and *O*-demethylation and glucuronidation or sulfation in the liver. Metabolite M1 (*O*-desmethyltramadol) is pharmacologically active in animal models. Formation of M1

on CYP2D6 and as such is subject to inhibition, which may affect the therapeutic response (see Precautions, drug interactions).

Approximately 7% of the population has reduced activity of the CYP2D6 isoenzyme of cytochrome P450. These individuals are “poor metabolizers” of debrisoquine, dextromethorphan, tricyclic antidepressants, among other drugs. Based on a population PK analysis of Phase 1 studies in healthy subjects, concentrations of tramadol were approximately 20% higher in “poor metabolizers” versus “extensive metabolizers”, while M1 concentrations were 40% lower. In vitro drug interaction studies in human liver microsomes indicates that inhibitors of CYP2D6 such as Fluoxetine and its metabolite norfluoxetine, amitriptyline and quinidine inhibit the metabolism of tramadol to various degrees. The full pharmacological impact of these alterations in terms of either efficacy or safety is unknown.

Concomitant use of SEROTONIN re-uptake INHIBITORS and MAO INHIBITORS may enhance the risk of adverse events, including seizure (see warnings) and serotonin syndrome.

Acetaminophen is primarily metabolized in the liver by first-order kinetics and involves three principal separate pathways:

- a. conjugation with glucuronide;
- b. conjugation with sulfate; and
- c. oxidation via cytochrome P450 enzyme pathway, P450-dependent, mixed-function oxidase enzyme pathway to form a reactive intermediate metabolite, which conjugates with glutathione and is then further metabolized to form cysteine and mercapturic acid conjugates. The principal cytochrome P450 isoenzyme involved appears to be CYP2E1, with CYP2A2 and CYP3A4 as additional pathways.

In adults, the majority of acetaminophen is conjugated with glucuronic acid and, to a lesser extent, with sulfate. These glucuronide-, sulfate-, and glutathione-derived metabolites lack biologic activity. In premature infants, newborns, and young infants, the sulfate conjugate predominates.

### **Elimination**

Tramadol is eliminated primarily through metabolism by the liver and the metabolites are eliminated primarily by the kidneys. The plasma elimination half-lives of racemic tramadol and M1 are approximately 5-6 and 7 hours, respectively, after administration of ULTRACET®. The apparent plasma elimination half-life of racemic tramadol increased to 7-9 hours upon multiple dosing of Ultracet®. The half-life of acetaminophen is about 2 to 3 hours in adults. It is somewhat shorter in children and somewhat longer in neonates and in cirrhotic patients. Acetaminophen is eliminated from the body primarily by formation of glucuronide and sulfate conjugates in a dose-dependent manner. Less than 9% of acetaminophen is excreted unchanged in the urine.

### **Special Populations**

#### *Renal*

The pharmacokinetics of ULTRACET® in patients with renal impairment have not been studied. Based on studies using tramadol alone, excretion of tramadol and metabolite M1 is reduced in patients with creatinine clearance of less than 30 mL/min, adjustment of dosing regimen in this patient population is recommended. (See dosage and administration). The total amount of tramadol and M1 removed during a 4-hour dialysis period is less than 7% of the administered dose based on studies using tramadol alone.

#### *Hepatic*

The pharmacokinetics and tolerability of ULTRACET® in patients with impaired hepatic function has not been studied. Since tramadol and acetaminophen are both extensively metabolized by the liver, the use of ULTRACET® in patients with hepatic impairment is not recommended (see precautions and dosage and administration).

#### *Geriatric*

A population pharmacokinetic analysis of data obtained from a clinical trial in patients with chronic pain treated with ULTRACET® which included 55 patients between 65 and 75 years of age and 19 patients over 75 years of age, showed

no significant changes in pharmacokinetics of tramadol and acetaminophen in elderly patients with normal renal and hepatic function (see precautions, geriatric use).

#### *Gender*

Tramadol clearance was 20% higher in female subjects compared to males on four phase I studies of ULTRACET® in 50 male and 34 female healthy subjects. The clinical significance of this difference is unknown.

#### *Pediatric*

Pharmacokinetics of ULTRACET® tablets have not been studied in pediatric patients below 16 years of age.

### **Clinical Studies**

#### **Single Dose Studies for Treatment of Acute Pain**

In pivotal single-dose studies in acute pain, two tablets of ULTRACET® administered to patients with pain following oral surgical procedures provided greater relief than placebo or either of the individual components given at the same dose. The onset of pain relief after ULTRACET® was faster than tramadol alone. Onset of analgesia occurred in less than one hour. The duration of pain relief after ULTRACET® was longer than acetaminophen alone. Analgesia was generally comparable to that of the comparator, ibuprofen.

### **INDICATIONS**

ULTRACET® is indicated for short-term treatment of acute pain.

### **POSODOLOGY AND METHOD OF ADMINISTRATION**

Unless otherwise prescribed, ULTRACET® should be administered as follows:

#### **Adults and Children Over 16 Years**

The maximum single dose of ULTRACET® is 1 to 2 tablets every 4 to 6 hours as needed for pain relief up to a maximum of 8 tablets per day. The lowest effective dose should be used for the shortest period of time.

ULTRACET® can be administered without regard to food.

#### **Treatment withdrawal**

Do not stop use of ULTRACET® abruptly. Withdrawal symptoms may be relieved by tapering the medication (see *Special Warnings and Special Precaution for Use – Treatment Withdrawal*).

#### **Pediatric (Children Below 16 Years)**

The use of ULTRACET® is contraindicated in children below 12 years of age (see *Contraindications*).

The safety and effectiveness of ULTRACET® in children aged 12 to below 16 years of age has not been established (See *Contraindications and Special Warnings and Special Precaution for Use - Other Risk Factors for Life-threatening Respiratory Depression in Children*).

#### **Elderly (Geriatric)**

No overall differences with regard to safety or pharmacokinetics were noted between subjects ≥65 years of age and younger subjects.

### **SPECIAL WARNINGS AND SPECIAL PRECAUTIONS FOR USE**

#### **WARNINGS**

##### **Seizures Risk**

Seizures have been reported in patients receiving tramadol within the recommended dosage range. Spontaneous post-marketing reports indicate that seizure risk is increased with doses of tramadol above the recommended range. Concomitant use of tramadol increases the seizure risk in patients taking serotonergic drugs including: selective serotonin reuptake inhibitors (SSRI antidepressants or anorectics), tricyclic antidepressants (TCAs), and other tricyclic compounds (e.g., cyclobenzaprine, promethazine, etc.), or opioids.

Administration of tramadol may enhance the seizure risk in patients taking: monoamine oxidase inhibitors (MAOIs), neuroleptics, or other drugs that reduce the seizure threshold.

Risk of convulsions may also increase in patients with epilepsy, those with a history of seizures, or in patients with a recognized risk for seizure (such as head trauma, metabolic disorders, alcohol and drug withdrawal, CNS infections). In tramadol overdose, naloxone administration may increase the risk of seizure.

### **Anaphylactic Reactions**

Patients with a history of anaphylactic reactions to codeine and other opioids may be at increased risk and therefore should not receive Ultracet® (see contraindications).

Serious and rarely fatal anaphylactic reactions have been reported in patients receiving therapy with tramadol. When these events do occur it is often following the first dose. Other reported allergic reactions include pruritus, hives, bronchospasm, angioedema, toxic epidermal necrolysis and Stevens-Johnson syndrome.

Advise patients to seek immediate medical attention if they experience any symptoms of a hypersensitivity reaction.

### **Respiratory Depression**

Patients with significant respiratory depression (see *Contraindications*) or acute, severe bronchial asthma are at increased risk of life-threatening respiratory depression when treated with opioids.

Administer ULTRACET® cautiously in patients at risk for respiratory depression. In these patients, alternative non-opioid analgesics should be considered. When large doses of tramadol are administered with anesthetic medications or alcohol, respiratory depression may result. Respiratory depression should be treated as an overdose. If naloxone is to be administered, use cautiously because it may precipitate seizures (see warnings, seizure risk and Overdosage).

Opioids can cause sleep-related breathing disorders such as sleep apnea syndromes (including central sleep apnea [CSA]) and hypoxia (including sleep-related hypoxia) (see *Adverse Reactions*). Opioid use increases the risk of CSA in a dose-dependent fashion. Evaluate patients on an ongoing basis for the onset of a new sleep apnea, or a worsening of an existing sleep apnea. In these patients, consider reducing or stopping the opioid treatment if appropriate, using best practices for tapering of opioids. (see *Posology and Method of Administration - Treatment Withdrawal; Warnings and Precautions - Treatment Withdrawal*).

### **CYP2D6 Ultra-Rapid Metabolism of Tramadol**

Patients who are CYP2D6 ultra-rapid metabolizers may convert tramadol to its active metabolite (M1) more rapidly and completely than other patients. This rapid conversion may result in higher than expected serum M1 levels which could lead to an increased risk of respiratory depression (see Overdose – Symptoms and signs, Tramadol). Alternative medication, dose reduction and/or increased monitoring for signs of tramadol overdose, such as respiratory depression is recommended in patients known to be CYP2D6 ultra-rapid metabolizers. (see *Pharmacokinetic Properties*). Even at labeled dosage regimens, individuals who are ultra-rapid metabolizers may have life-threatening or fatal respiratory depression or experience signs of overdose (such as extreme sleepiness, confusion, or shallow breathing) (see *Overdose - Symptoms and signs, Tramadol*).

### **Other risk factors for life-threatening respiratory depression in children**

Life-threatening respiratory depression and death have occurred in children who received tramadol. Tramadol is subject to variability in metabolism based upon CYP2D6 genotype, which can lead to increased exposure to an active metabolite. Based upon postmarketing reports with tramadol, children younger than 12 years of age may be more susceptible to the respiratory depressant effects of tramadol (see *Contraindications*). Furthermore, children with obstructive sleep apnea who are treated with opioids for post-tonsillectomy and/or adenoidectomy pain may be particularly sensitive to their respiratory depressant effect (see *Contraindications*). Because of the risk of life-threatening respiratory depression and death, avoid the use of ULTRACET® in adolescents younger than 18 years of age who have other risk factors that may increase their sensitivity to the respiratory depressant effects of tramadol.

Risk factors include conditions associated with hypoventilation such as postoperative status, obstructive sleep apnea and concomitant use of other medications that cause respiratory depression.

As with adults, when prescribing opioids for adolescents, healthcare providers should choose the lowest effective dose for the shortest period of time and inform patients and caregivers about these risks and the signs of opioid overdose (see *Posology and Method of Administration and Overdose - Symptoms and signs, Tramadol*).

#### **Interaction with Central Nervous System (CNS) Depressants, including alcohol**

The concomitant use of tramadol (an active ingredient in Ultracet®) with CNS depressants, including alcohol, may cause additive CNS depressant effects, including profound sedation and respiratory depression.

ULTRACET® should be used with caution and in reduced dosages when administered to patients receiving CNS depressants. Tramadol increases the risk of CNS and respiratory depression in these patients. (see Interaction)

#### **Increased Intracranial Pressure or Head Trauma**

ULTRACET® should be used with caution in patients with increased intracranial pressure or head injury. The respiratory depressant effects of opioids include carbon dioxide retention and secondary elevation of cerebrospinal fluid pressure and may be markedly exaggerated in these patients.

Additionally, papillary changes (miosis) from tramadol may obscure the existence, extent, or course of intracranial pathology. Clinicians should also maintain a high index of suspicion for adverse drug reaction when evaluating altered mental status in these patients if they are receiving ULTRACET® (see Respiratory Depression).

#### **Use in Ambulatory Patients**

Tramadol may impair the mental and or physical abilities required for the performance of potentially hazardous tasks such as driving a car or operating machinery. The patient using this drug should be cautioned accordingly.

#### **Use with serotonergic drugs**

Use ULTRACET® with great caution in patients taking serotonergic drugs including SSRIs. Concomitant use of tramadol with serotonergic drugs including SSRI's increases the risk of adverse events, including seizure and serotonin syndrome (see *Interactions*).

#### **Increase risk of Hepatotoxicity with alcohol use**

ULTRACET® should not be used concomitantly with alcohol consumption. The use of Ultracet® in patients with liver disease is not recommended.

#### **Use with Other Acetaminophen-containing Products**

Due to the potential for acetaminophen hepatotoxicity at doses higher than the recommended dose, ULTRACET® should not be used concomitantly with other acetaminophen-containing products.

#### **Withdrawal**

Withdrawal symptoms may occur if ULTRACET® is discontinued abruptly. (see drug abuse and dependence). These symptoms may include: anxiety, sweating, insomnia, rigors, pain, nausea, tremors, diarrhea, upper respiratory symptoms, piloerection, and rarely hallucinations. Other symptoms that have been seen less frequently with ULTRACET® discontinuation include: panic attacks, severe anxiety and paresthesias, tinnitus and unusual CNS symptoms. Clinical experience suggests that withdrawal symptoms may be avoided by tapering ULTRACET® at the time of discontinuation.

#### **Physical Dependence and Abuse**

ULTRACET® contains tramadol as an active ingredient. A portion of the analgesic effect of ULTRACET® is attributable to the binding of the active ingredient, tramadol, to the mu-opioid receptor. Upon repeated administration of opioids, tolerance, physical dependence, and psychological dependence may develop, even at recommended dosages. Assess each patient's risk for opioid dependence and abuse prior to prescribing ULTRACET® and monitor all

patients receiving ULTRACET® for development of these behaviors. Risks are increased in patients with a personal or family history of substance abuse (including drug or alcohol abuse or addiction) or mental illness (e.g., major depression).

Tramadol may induce psychic and physical dependence of the morphine-type ( $\mu$ -opioid). (see Drug Abuse and Dependence). Tramadol should not be used in opioid-dependent patients. Tramadol has been shown to reinstate physical dependence in some patients that have been previously dependent on other opioids. Dependence and abuse, including drug-seeking behavior and taking illicit actions to obtain the drug are not limited to those patients with prior history of opioid dependence.

### **Risk of Overdosage**

Serious potential consequences of Overdosage with tramadol are central nervous system depression, respiratory depression and death. In treating an overdose, primary attention should be given to maintaining adequate ventilation along with general supportive treatment. (see Overdosage).

Serious potential consequences of overdose with acetaminophen are hepatic (centrilobular) necrosis, leading to hepatic failure and death. Emergency help should be sought immediately and treatment initiated immediately if overdose is suspected, even if symptoms are not apparent.

### **Hyponatremia**

Hyponatremia has been reported very rarely with the use of ULTRACET®, usually in patients with predisposing risk factors, such as elderly patients and/or patients using concomitant medications that may cause hyponatremia. In some reports, this hyponatremia appeared to be the result of the syndrome of inappropriate antidiuretic hormone secretion (SIADH) and resolved with discontinuation of ULTRACET® and appropriate treatment (e.g. fluid restriction). During ULTRACET® treatment, monitoring for signs and symptoms of hyponatremia is recommended for patients with predisposing risk factors.

### **Gastrointestinal conditions**

Patients with disorders of the biliary tract or a history of biliary surgery should be monitored for potential development of acute pancreatitis.

### **Hyperprolactinemia**

Long term opioid use may be associated with increased prolactin levels and decreased sex hormone levels. Symptoms may include galactorrhea, gynecomastia, impotence, decreased libido, infertility, or amenorrhea. If hyperprolactinemia is suspected, appropriate laboratory testing is recommended and discontinuation of treatment with ULTRACET® should be considered.

### **Adrenal insufficiency**

Adrenal insufficiency has been reported with opioid use, more often following long-term use. Symptoms may include nausea, vomiting, anorexia, fatigue, weakness, dizziness, or low blood pressure. If adrenal insufficiency is suspected, appropriate laboratory testing is recommended and discontinuation of treatment with ULTRACET® should be considered.

### **Pyroglutamic acidosis/high anion gap metabolic acidosis**

ULTRACET® should be used with caution in patients with glutathione depleted states (e.g. patients with severe renal or hepatic impairment, sepsis or malnutrition), as the use of acetaminophen may increase the risk of pyroglutamic acidosis (PGA), a rare type of high anion gap metabolic acidosis (HAGMA). Caution is also advised in patients treated with acetaminophen alone or when coadministered with isoxazolyl penicillins (e.g. flucloxacillin) due to the increased risk of PGA/HAGMA (see Interactions). If HAGMA due to pyroglutamic acidosis is suspected, prompt discontinuation of acetaminophen and close monitoring is recommended.

## **PRECAUTIONS**

### **GENERAL**

The recommended dose of ULTRACET® should not be exceeded.

Do not co-administer ULTRACET® with other tramadol or acetaminophen-containing products. (see Warnings, use with other acetaminophen-containing products and risk of Overdosage).

#### **Pediatric Use**

The safety and effectiveness of ULTRACET® has not been studied in the pediatric population.

#### **Geriatric Use**

In general, dose selection for an elderly patient should be cautious, reflecting the greater frequency of decreased hepatic, renal, or cardiac function; of concomitant disease and multiple drug therapy.

#### **Acute Abdominal Conditions**

The administration of ULTRACET® may complicate the clinical assessment of patients with acute abdominal conditions.

#### **Use in Renal Disease**

ULTRACET® has not been studied in patients with impaired renal function. Experience with tramadol suggest that impaired renal function results in a decreased rate and extent of excretion of tramadol and its active metabolite, M1. In patients with creatinine clearances of less than 30 mL/min, it is recommended that the dosing interval of ULTRACET® be increased not to exceed 2 tablets every 12 hours.

#### **Use in Hepatic Disease**

ULTRACET® has not been studied in patients with impaired hepatic function. The use of ULTRACET® in patients with hepatic impairment is not recommended (see warnings, use with alcohol).

#### **Information for Patients**

- ULTRACET® may impair mental or physical abilities required for the performance of potentially hazardous tasks such as driving a car or operating machinery.
- ULTRACET® should not be taken with alcohol containing beverages.
- The patient should be instructed not to take ULTRACET® in combination with other tramadol or acetaminophen-containing products, including over-the-counter preparations.
- ULTRACET® should be used with caution when taking medications such as tranquilizers, hypnotics or other opiate containing analgesics.
- The patient should be instructed to inform the physician if they are pregnant, think they might become pregnant, or are trying to become pregnant (see precautions, labor and delivery).
- The patients should understand the single-dose and 24-hour dose limit and the time interval between doses, since exceeding these recommendations can result in respiratory depression, seizures, hepatic toxicity and death.

#### **CONTRAINDICATIONS**

ULTRACET® is contraindicated:

- in all children younger than 12 years of age.
- in post-operative management in children younger than 18 years of age following tonsillectomy and/or adenoidectomy.
- in patients who have previously demonstrated hypersensitivity to tramadol, acetaminophen, any other component of this product or opioids.
- in any situation where opioids are contraindicated, including acute intoxication without of the following in cases of acute intoxication with alcohol, hypnotics, narcotics, centrally acting analgesics, opioids or psychotropic drugs.
- in patients using monoamine oxidase inhibitors (MAOIs) concurrently or within the last 14 days.
- in patients with significant respiratory depression (see *Special Warnings and Special Precaution for Use*).

#### **UNDESIRABLE EFFECTS**

Throughout this section, adverse reactions are presented. Adverse reactions are adverse events that have been considered to be reasonably causally associated with the use of tramadol hydrochloride/acetaminophen based on a comprehensive assessment of the available adverse event information. A causal relationship with tramadol

hydrochloride/acetaminophen cannot be reliably established in individual cases. Further, 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.

#### Clinical studies experience

The safety of ULTRACET® was evaluated in 3,175 patients, 16 to 90 years of age, who participated in a total of 21 clinical trials of which 20 were double-blind, controlled (i.e., placebo or active, or both) and 1 was open-label with no control group. These 20 double-blind, controlled trials comprised 11 multiple-dose and 9 single-dose. The duration of treatment ranged from one dose to up to 23 months. All patients received at least one dose of ULTRACET® and provided safety data.

#### **Placebo-controlled double-blind data – adverse reactions reported at ≥1% incidence.**

Sixteen of the 21 clinical trials were double-blind, placebo-controlled trials with a duration of treatment ranging from one dose to 91 days. Adverse reactions determined from all 21 clinical trials and reported in the 16 double-blind placebo controlled clinical trials for ≥1% of ULTRACET®-treated patients (N=1,669) and with an incidence greater than the rate in placebo-treated patients (N=1,531), are shown in Table 2. The most commonly occurring adverse reactions from the 16 placebo-controlled trials (>5% of patients) were nausea, dizziness, vomiting, headache, somnolence, and constipation.

**Table 2. Adverse Reactions Reported by ≥1% of ULTRACET®-treated Patients and With an Incidence Greater Than Placebo in 16 Double-blind, Placebo-controlled Clinical Trials of ULTRACET®**

|                                                             | ULTRACET®<br>%<br>(N=1,669) | Placebo<br>%<br>(N=1,531) |
|-------------------------------------------------------------|-----------------------------|---------------------------|
| <b>Metabolism and nutrition disorders</b>                   |                             |                           |
| Decreased appetite                                          | 1.4                         | 0.3                       |
| <b>Psychiatric disorders</b>                                |                             |                           |
| Insomnia                                                    | 2.0                         | 1.0                       |
| <b>Nervous system disorders</b>                             |                             |                           |
| Dizziness                                                   | 9.5                         | 3.3                       |
| Headache                                                    | 8.1                         | 7.5                       |
| Somnolence                                                  | 7.3                         | 2.2                       |
| <b>Gastrointestinal disorders</b>                           |                             |                           |
| Nausea                                                      | 17.7                        | 7.9                       |
| Vomiting                                                    | 8.5                         | 3.9                       |
| Constipation                                                | 6.8                         | 2.6                       |
| Dry mouth                                                   | 3.2                         | 0.5                       |
| Diarrhea                                                    | 2.2                         | 1.8                       |
| Dyspepsia                                                   | 1.4                         | 1.0                       |
| Abdominal pain                                              | 1.4                         | 1.0                       |
| <b>Skin and subcutaneous tissue disorders</b>               |                             |                           |
| Pruritus                                                    | 3.7                         | 0.8                       |
| Hyperhidrosis                                               | 2.3                         | 0.4                       |
| <b>General disorders and administration site conditions</b> |                             |                           |
| Fatigue                                                     | 2.9                         | 0.9                       |

#### **Placebo-controlled, comparator-controlled, and open-label clinical trial data – adverse reactions reported by ≥1% of ULTRACET®-treated patients**

Adverse reactions not reported in Table 2 that were reported by ≥1% of ULTRACET®-treated patients (N=3,175) in the 21 clinical trials of ULTRACET® are shown in Table 3. All patients received at least one dose of ULTRACET® and provided safety data.

**Table 3. Adverse Reactions Reported by  $\geq 1\%$  of ULTRACET<sup>®</sup>-treated Patients in 21 Clinical Trials of ULTRACET<sup>®</sup> that are not Listed in Table 2**

| <b>System Organ Class<br/>Adverse Reaction</b> | <b>ULTRACET<sup>®</sup><br/>%<br/>(N=3,175)</b> |
|------------------------------------------------|-------------------------------------------------|
| <b>Psychiatric disorders</b>                   |                                                 |
| Depression                                     | 1.2                                             |
| <b>Vascular disorders</b>                      |                                                 |
| Hot flush                                      | 1.0                                             |
| <b>Gastrointestinal disorders</b>              |                                                 |
| Abdominal discomfort                           | 1.5                                             |
| Flatulence                                     | 1.1                                             |
| <b>Skin and subcutaneous tissue disorders</b>  |                                                 |
| Rash                                           | 1.6                                             |

***Placebo-controlled, comparator-controlled, and open-label study data – adverse reactions reported at <1% incidence of ULTRACET<sup>®</sup>-treated Patients***

Adverse reactions not reported above, which were reported by <1% of ULTRACET<sup>®</sup>-treated patients (N=3,175) in the above clinical trial dataset are shown in Table 4.

**Table 4. Adverse Reactions Reported by <1% of ULTRACET®-treated Patients in 21 Clinical Trials of ULTRACET®**

| <b>System Organ Class</b>                 | <b>ULTRACET®</b>       |
|-------------------------------------------|------------------------|
| <b>Adverse Reaction</b>                   | <b>%<br/>(N=3,175)</b> |
| <b>Immune system disorders</b>            |                        |
| Urticaria                                 | 0.31                   |
| Hypersensitivity                          | 0.19                   |
| <b>Metabolism and nutrition disorders</b> |                        |
| Hypoglycemia                              | 0.06                   |
| <b>Psychiatric disorders</b>              |                        |
| Anxiety                                   | 0.88                   |
| Nervousness                               | 0.79                   |
| Agitation                                 | 0.41                   |
| Euphoric mood                             | 0.31                   |
| Libido decreased                          | 0.31                   |
| Sleep disorder                            | 0.28                   |
| Confusional state                         | 0.22                   |
| Disorientation                            | 0.22                   |
| Irritability                              | 0.22                   |
| Abnormal dreams                           | 0.38                   |
| Drug Abuse                                | 0.03                   |
| Hallucination                             | 0.03                   |
| Withdrawal syndrome                       | 0.03                   |
| <b>Nervous system disorders</b>           |                        |
| Migraine                                  | 0.82                   |
| Lethargy                                  | 0.76                   |
| Hypoesthesia                              | 0.69                   |
| Tremor                                    | 0.60                   |
| Paresthesia                               | 0.47                   |
| Disturbance in attention                  | 0.28                   |
| Syncope                                   | 0.28                   |
| Memory impairment                         | 0.25                   |
| Psychomotor hyperactivity                 | 0.19                   |
| Sedation                                  | 0.16                   |
| Amnesia                                   | 0.09                   |
| Cognitive disorder                        | 0.03                   |
| Seizure                                   | 0.03                   |
| <b>Eye disorders</b>                      |                        |
| Vision blurred                            | 0.35                   |
| Visual impairment                         | 0.16                   |
| Miosis                                    | 0.03                   |
| <b>Ear and labyrinth disorders</b>        |                        |
| Vertigo                                   | 0.66                   |
| Tinnitus                                  | 0.63                   |
| Ear discomfort                            | 0.16                   |
| <b>Cardiac disorders</b>                  |                        |
| Palpitations                              | 0.31                   |
| Tachycardia                               | 0.13                   |
| <b>Vascular disorders</b>                 |                        |

| <b>System Organ Class</b>                                   | <b>ULTRACET®</b>       |
|-------------------------------------------------------------|------------------------|
| <b>Adverse Reaction</b>                                     | <b>%<br/>(N=3,175)</b> |
| Hypertension                                                | 0.91                   |
| Hypotension                                                 | 0.06                   |
| <b>Respiratory, thoracic, and mediastinal disorders</b>     |                        |
| Dyspnea                                                     | 0.44                   |
| Dry throat                                                  | 0.16                   |
| <b>Hepatobiliary disorders</b>                              |                        |
| Hepatic enzyme increased <sup>b</sup>                       | 0.41                   |
| <b>Skin and subcutaneous tissue disorders</b>               |                        |
| Pruritus generalized                                        | 0.76                   |
| Cold sweat                                                  | 0.22                   |
| <b>Renal and urinary disorders</b>                          |                        |
| Micturition disorder <sup>c</sup>                           | 0.85                   |
| <b>Reproductive system and breast disorders</b>             |                        |
| Erectile dysfunction                                        | 0.38                   |
| <b>General disorders and administration site conditions</b> |                        |
| Asthenia                                                    | 0.94                   |
| Chest pain                                                  | 0.50                   |
| Feeling abnormal                                            | 0.47                   |
| Chills                                                      | 0.25                   |
| Chest discomfort                                            | 0.22                   |
| Malaise                                                     | 0.22                   |
| Drug withdrawal syndrome                                    | 0.19                   |
| Thirst                                                      | 0.19                   |
| Feeling jittery                                             | 0.13                   |
| Feeling hot                                                 | 0.09                   |
| <b>Investigations</b>                                       |                        |
| Weight decreased                                            | 0.50                   |
| Blood creatinine increased                                  | 0.13                   |

<sup>a</sup> Abnormal dreams may include the following adverse events as applicable: nightmare and/or abnormal dreams

<sup>b</sup> Hepatic enzyme increased may include the following adverse events as applicable: alanine aminotransferase increased, aspartate aminotransferase increased, hepatic enzyme increased, alanine aminotransferase abnormal, and/or hepatic enzyme abnormal

<sup>c</sup> Micturition disorder may include the following adverse events as applicable: dysuria, urinary retention, urinary hesitation, and/or micturition frequency decreased

#### **Adverse reactions reported with tramadol only**

Table 5 lists the adverse reactions relating to the active moiety, tramadol, that were identified in clinical trials and/or postmarketing experience with tramadol but were not reported by any ULTRACET®-treated patients in the ULTRACET® clinical trials.

**Table 5. Adverse Reactions Identified in Clinical Trials and/or Postmarketing Experience With Tramadol**

|                                                             |
|-------------------------------------------------------------|
| <b>System Organ Class</b>                                   |
| Adverse Reaction                                            |
| <b>Immune system disorders</b>                              |
| Anaphylactic reaction                                       |
| Stevens-Johnson syndrome                                    |
| Toxic epidermal necrolysis                                  |
| <b>Psychiatric disorders</b>                                |
| Affect lability                                             |
| Delirium                                                    |
| Suicidal ideation                                           |
| <b>Nervous system disorders</b>                             |
| Hypertonia                                                  |
| Movement disorder                                           |
| Serotonin syndrome                                          |
| Speech disorder                                             |
| <b>Eye disorders</b>                                        |
| Mydriasis                                                   |
| <b>Vascular disorders</b>                                   |
| Orthostatic hypotension                                     |
| <b>Hepatobiliary disorders</b>                              |
| Hepatitis                                                   |
| <b>General disorders and administration site conditions</b> |
| Gait disturbance                                            |
| <b>Investigations</b>                                       |
| Prothrombin time prolonged                                  |

**Postmarketing data**

In addition to the adverse reactions reported during clinical trials and listed above, the following adverse reactions have been reported during postmarketing experience (Table 6). The frequencies are provided according to the following convention:

|             |                                               |
|-------------|-----------------------------------------------|
| Very common | ≥1/10                                         |
| Common      | ≥1/100 and <1/10                              |
| Uncommon    | ≥1/1,000 and <1/100                           |
| Rare        | ≥1/10,000 and <1/1,000                        |
| Very rare   | <1/10,000                                     |
| Not known   | (cannot be estimated from the available data) |

In Table 6, adverse reactions are presented by frequency category based on spontaneous reporting rates.

**Table 6. Adverse Reactions Identified During Postmarketing Experience with ULTRACET® by Frequency Category Estimated from Spontaneous Reporting Rates**

|                                                                                |
|--------------------------------------------------------------------------------|
| <b>System Organ Class</b>                                                      |
| <i>Frequency: Adverse Reaction</i>                                             |
| <b>Metabolism and nutrition disorders</b>                                      |
| <i>Not known</i> , Hyponatremia/syndrome of inappropriate antidiuretic hormone |
| <b>Immune system disorders</b>                                                 |
| <i>Very rare</i> , Fixed eruption                                              |

**INTERACTIONS WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTION**

Based on its pharmacodynamic and pharmacokinetic properties, tramadol and acetaminophen exhibits a potential for pharmacodynamic and pharmacokinetic interactions. The various types of interaction, associated general recommendations and lists of examples are described below. These lists of examples are not comprehensive and

therefore it is recommended that the label of each drug that is co-administered with tramadol and acetaminophen be consulted for information related to interaction pathways, potential risks, and specific actions to be taken with regards to co-administration.

**Table 7. Drug Interactions with ULTRACET®**

| <b>Inhibitors of CYP2D6</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Mechanism:</i>           | Enzyme inhibition resulting in decreased rate of metabolism of tramadol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <i>Clinical Impact:</i>     | <p>The concomitant use of ULTRACET® and CYP2D6 inhibitors may result in an increase in the plasma concentration of tramadol and a decrease in the plasma concentration of M1, particularly when an inhibitor is added after a stable dose of ULTRACET® is achieved. Since M1 is a more potent <math>\mu</math>-opioid agonist, decreased M1 exposure could result in decreased therapeutic effects, and may result in signs and symptoms of opioid withdrawal in patients who had developed physical dependence to tramadol. Increased tramadol exposure can result in increased or prolonged therapeutic effects and increased risk for serious adverse events including seizures and serotonin syndrome.</p> <p>After stopping an inhibitor of CYP2D6, as the effects of the inhibitor decline, the tramadol plasma concentration will decrease and the M1 plasma concentration will increase which could increase or prolong therapeutic effects but also increase adverse reactions related to opioid toxicity, and may cause potentially fatal respiratory depression (see <i>Pharmacological Properties – Pharmacokinetic properties</i>).</p> |
| <i>Intervention:</i>        | <p>If concomitant use of an inhibitor of CYP2D6 is necessary, follow patients closely for adverse reactions including opioid withdrawal, seizures and serotonin syndrome (see <i>Special Warnings and Special Precaution for Use – CYP2D6 ultra rapid metabolism of tramadol</i>).</p> <p>If an inhibitor of CYP2D6 is discontinued, consider lowering ULTRACET® dosage until stable drug effects are achieved. Follow patients closely for adverse events including respiratory depression and sedation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>Examples</i>             | Quinidine, fluoxetine, paroxetine, amitriptyline and bupropion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Inhibitors of CYP3A4</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <i>Mechanism:</i>           | Enzyme inhibition resulting in decreased rate of metabolism of tramadol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <i>Clinical Impact:</i>     | <p>The concomitant use of ULTRACET® and an inhibitor of CYP3A4 can increase the plasma concentration of tramadol and may result in a greater amount of metabolism via CYP2D6 and greater levels of M1.</p> <p>After stopping an inhibitor of CYP3A4, as the effects of the inhibitor decline, the tramadol plasma concentration will decrease, resulting in decreased opioid efficacy and possibly signs and symptoms of opioid withdrawal in patients who had developed physical dependence to tramadol.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>Intervention:</i>        | <p>If concomitant use is necessary, consider dosage reduction of ULTRACET® until stable drug effects are achieved. Follow patients closely for increased risk of serious adverse events including seizures and serotonin syndrome, and adverse reactions related to opioid toxicity including potentially fatal respiratory depression, particularly when an inhibitor is added after a stable dose of ULTRACET® is achieved.</p> <p>If an inhibitor of CYP3A4 is discontinued, consider increasing the ULTRACET® dosage until stable drug effects are achieved and follow patients for signs and symptoms of opioid withdrawal.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <i>Examples</i>             | Macrolide antibiotics (e.g., erythromycin), azole-antifungal agents (e.g. ketoconazole), protease inhibitors (e.g., ritonavir)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| <b>CYP3A4 Inducers</b>                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Mechanism:</i>                                                                           | Enzyme induction resulting in increased rate of metabolism of tramadol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Clinical Impact:</i>                                                                     | <p>The concomitant use of ULTRACET® and an inducer of CYP3A4 can decrease the plasma concentration of tramadol, resulting in decreased efficacy or onset of a withdrawal syndrome in patients who have developed physical dependence to tramadol.</p> <p>After stopping an inducer of CYP3A4, as the effects of the inducer decline, the tramadol plasma concentration will increase, which could increase or prolong both the therapeutic effects and adverse reactions, and may cause serious respiratory depression, seizures and serotonin syndrome.</p>                                                                                                                                                                                                                     |
| <i>Intervention:</i>                                                                        | <p>If concomitant use is necessary, consider increasing the ULTRACET® dosage until stable drug effects are achieved. Follow patients for signs of opioid withdrawal.</p> <p>If an inducer of CYP3A4 is discontinued, consider ULTRACET® dosage reduction and monitor for seizures and serotonin syndrome, and signs of sedation and respiratory depression.</p> <p>Patients taking carbamazepine, an inducer of CYP3A4, may have a significantly reduced analgesic effect of tramadol. Because carbamazepine increases tramadol metabolism and because of the seizure risk associated with tramadol, concomitant administration of ULTRACET® and carbamazepine is not recommended.</p>                                                                                           |
| <i>Examples:</i>                                                                            | Rifampin, carbamazepine, phenytoin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Benzodiazepines and Other Central Nervous System (CNS) Depressants including alcohol</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Mechanism:</i>                                                                           | Additive or synergistic pharmacodynamic effect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <i>Clinical Impact:</i>                                                                     | <p>The concomitant use of tramadol with central nervous system depressants, such as benzodiazepines and other sedatives/hypnotics, anesthetic agents, phenothiazines, tranquilizers, opioids or alcohol, may produce additive CNS depressant effects, such as profound sedation and respiratory depression. If concomitant use of ULTRACET® with a CNS depressant is clinically necessary, prescribe the lowest effective dosages and minimum duration for both drugs, and follow patients closely for signs of respiratory depression.</p> <p>Due to additive pharmacodynamic effect, the concomitant use of benzodiazepines or other CNS depressants, including alcohol, can increase the risk of hypotension, respiratory depression, profound sedation, coma, and death.</p> |
| <i>Intervention:</i>                                                                        | Reserve concomitant prescribing of these drugs for use in patients for whom alternative treatment options are inadequate. Limit dosages and durations to the minimum required. Follow patients closely for signs of respiratory depression and sedation (see <i>Special Warnings and Special Precaution for Use</i> ).                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <i>Examples:</i>                                                                            | Benzodiazepines and other sedatives/hypnotics, tranquilizers, muscle relaxants, general anesthetics, other opioids, alcohol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Serotonergic Drugs</b>                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Mechanism:</i>                                                                           | Additive or synergistic pharmacodynamic effect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <i>Clinical Impact:</i>                                                                     | Concomitant use of tramadol with serotonergic drugs increases the risk of adverse events, including seizures and serotonin syndrome.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <i>Intervention:</i>                                                                        | Use caution when administering ULTRACET® in patients taking serotonergic drugs and monitor for signs of adverse events. Discontinue ULTRACET® if serotonin syndrome is suspected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <i>Examples:</i>                                                                            | Selective serotonin reuptake inhibitors (SSRIs), serotonin and norepinephrine reuptake inhibitors (SNRIs), tricyclic antidepressants (TCAs), triptans, 5-HT <sub>3</sub> receptor antagonists, drugs that affect the serotonin neurotransmitter system (e.g.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             | mirtazapine and trazodone) and some muscle relaxants (e.g. cyclobenzaprine, metaxalone).                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Monoamine Oxidase Inhibitors (MAOIs)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Mechanism</i>                            | Additive or synergistic pharmacodynamic effect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <i>Clinical Impact:</i>                     | The concomitant use of ULTRACET® with MAOIs, or use within 14 days of their discontinuation, is contraindicated due to the increased risk of seizures and serotonin syndrome (see <i>Contraindications</i> ).<br>MAOI interactions with opioids may manifest as serotonin syndrome (see <i>Special Warnings and Special Precaution for Use – use with serotonin reuptake inhibitors</i> ) or opioid toxicity (e.g., respiratory depression, coma) (see <i>Special Warnings and Special Precaution for Use –Respiratory Depression</i> ). |
| <i>Intervention:</i>                        | Do not use ULTRACET® in patients taking MAOIs or within 14 days of stopping such treatment.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <i>Examples:</i>                            | phenelzine, tranylcypromine, linezolid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Warfarin</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Clinical Impact:</i>                     | As medically appropriate, periodic evaluation of prothrombin time should be performed when ULTRACET® and these agents are administered concurrently due to reports of increased International Normalized Ratio (INR) in some patients. Post-marketing surveillance of tramadol has revealed rare reports of alteration of warfarin effect, including elevation of prothrombin times. There have been several reports that suggest that acetaminophen may produce hypoprothrombinemia when administered with warfarin-like compounds.     |
| <i>Intervention:</i>                        | Monitor the prothrombin time of patients on warfarin for signs of an interaction and adjust the dosage of warfarin as needed.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Flucloxacillin</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Mechanism:</i>                           | Additive or synergistic pharmacodynamic effect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <i>Clinical Impact:</i>                     | High anion gap metabolic acidosis (HAGMA) from pyroglutamic acid (5-oxoprolinemia) has been reported with concomitant use of therapeutic doses of acetaminophen and flucloxacillin. Patients reported to be most at risk are elderly females with underlying disease such as sepsis, renal function abnormality, and malnutrition. Most patients improve after stopping one or both of the drugs (see <i>Special Warnings and Special Precautions For Use – Pyroglutamic acidosis/high anion gap metabolic acidosis</i> ).               |
| <i>Intervention:</i>                        | Caution should be taken when flucloxacillin is used concomitantly with acetaminophen as concurrent intake has been associated with HAGMA due to pyroglutamic acidosis, especially in patients with risk factors. Discontinue ULTRACET® and/or flucloxacillin if HAGMA is suspected.                                                                                                                                                                                                                                                      |
| <b>Cimetidine</b>                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Clinical Impact:</i>                     | Concomitant administration of tramadol and cimetidine does not result in clinically significant changes in tramadol pharmacokinetics.                                                                                                                                                                                                                                                                                                                                                                                                    |

## PREGNANCY AND BREAST-FEEDING

### PREGNANCY

Tramadol has been shown to cross the placenta.

There are no adequate and well-controlled studies in pregnant women.

Safe use in pregnancy has not been established.

The use of opioids during childbirth might result in respiratory depression in the newborn infant

Prolonged use of ULTRACET®, or other opioids, during pregnancy may lead to neonatal opioid withdrawal syndrome.

This risk is particularly increased during the last trimester of pregnancy.

## **BREAST-FEEDING**

ULTRACET® is not recommended for breast-feeding mothers because its safety in infants and newborns has not been studied.

Tramadol is subject to the same polymorphic metabolism as codeine, with ultra-rapid metabolizers of CYP2D6 substrates being potentially exposed to life-threatening levels of O desmethyltramadol (M1). At least one death was reported in a breast-feeding infant who was exposed to high levels of morphine in breast milk because the mother was an ultra-rapid metabolizer of codeine. A baby breast-feeding from an ultra-rapid metabolizer mother taking ULTRACET® could potentially be exposed to high levels of M1, and experience life-threatening respiratory depression. For this reason, breast-feeding is not recommended during treatment with ULTRACET®.

## **EFFECTS ON ABILITY TO DRIVE AND USE MACHINES**

ULTRACET® may impair mental or physical abilities required for the performance of potentially hazardous tasks such as driving a car or operating machinery.

## **OVERDOSE**

### **Accidental ingestion**

Accidental ingestion of tramadol can result in respiratory depression and seizures due to an overdose of tramadol. Respiratory depression and seizures have been reported in a child following ingestion of a single tablet.

Fatalities due to tramadol overdose have also been reported.

### **Symptoms and signs**

ULTRACET® is a combination product. The clinical presentation of overdose may include the signs and symptoms of tramadol toxicity, acetaminophen toxicity or both. The initial symptoms seen within the first 24 hours following an acetaminophen overdose may include: gastrointestinal irritability, anorexia, nausea, vomiting, malaise, pallor and diaphoresis.

### **Tramadol**

Serious potential consequences of overdosage of the tramadol component are respiratory depression, lethargy, coma, seizure, cardiac arrest and death. In addition, cases of QT prolongation have been reported during overdose.

### **Acetaminophen**

Acetaminophen in massive overdosage may cause hepatic toxicity in some patients. Early symptoms following a potentially hepatotoxic overdosage may include: gastrointestinal irritability, anorexia, nausea, vomiting, malaise, pallor, and diaphoresis. Clinical and laboratory evidence of hepatic toxicity may not be apparent until 48 to 72 hours post-ingestion.

### **Treatment**

A single or multiple overdose with ULTRACET® may be a potentially lethal polydrug overdose, and appropriate expert consultation, if available, is recommended.

While naloxone will reverse some, but not all, symptoms caused by overdosage with tramadol, the risk of seizures is also increased with naloxone administration. Based on experience with tramadol, hemodialysis is not expected to be helpful in an overdose because it removes less than 7% of the administered dose in a 4-hour dialysis period.

In treating an overdosage of ULTRACET®, primary attention should be given to maintaining adequate ventilation along with general supportive treatment. Because strategies for the management of overdose are continually evolving, it is advisable to contact a poison control center (where available) to determine the latest recommendations for the management of an overdose. Hypotension is usually hypovolemic in etiology and should respond to fluids. Vasopressors and other supportive measures should be employed as indicated. A cuffed endotracheal tube should be inserted when necessary, to provide assisted respiration.

In adult and pediatric patients, any individual presenting with an unknown amount of acetaminophen ingested or with a questionable or unreliable history about the time of ingestion should have a plasma acetaminophen level drawn and be treated with acetylcysteine. If an assay cannot be obtained and the estimated acetaminophen ingestion exceeds 7.5 to 10 grams for adults and adolescents or 150 mg/kg for children, dosing with N-acetylcysteine should be initiated and continued for a full course of therapy.

#### **PHARMACEUTICAL PARTICULARS**

##### **List of Excipients**

Inactive ingredients in the tablet are powdered cellulose, pregelatinized starch, sodium starch glycolate, starch, purified water, magnesium stearate, OPADRY® Light Yellow, and carnauba wax.

##### **Incompatibilities**

None known

##### **Shelf Life**

3 years

##### **Special Precautions for Storage**

Do not store above 30°C. Store in the original package.

Keep out of reach of children.

Because of the risks associated with accidental ingestion, misuse, and abuse, advise patients to store ULTRACET® securely, in a location not accessible by others.

#### **HOW SUPPLIED**

ULTRACET® Tablet

Box @ 3 blister @ 10 tablets

Reg. No.: DK12210902310A1

#### **DATE OF FIRST AUTHORISATION**

21 May 2010

#### **HARUS DENGAN RESEP DOKTER**

Manufactured by Janssen-Cilag S.p.A., Via C. Janssen (loc. Borgo S. Michele), 04100 Latina (LT), Italy

Registered by PT Integrated Healthcare Indonesia, Jakarta – Indonesia

For adverse event and product quality complaint please contact [drugsafety@jacid.jnj.com](mailto:drugsafety@jacid.jnj.com)

#### **DATE OF REVISION OF THE TEXT**

Based on CCDS ver.14 2May2025

## Informasi Produk untuk Pasien

### ULTRACET® Tablet salut selaput

#### Tramadol hidroklorida dan asetaminofen

**Baca informasi ini secara seksama sebelum Anda mulai menggunakan obat ini karena mengandung informasi penting untuk Anda:**

- Simpan informasi produk ini. Anda mungkin perlu untuk membacanya lagi.
- Jika Anda memiliki pertanyaan lebih lanjut, tanyakan kepada dokter, apoteker atau perawat Anda.
- Obat ini hanya diresepkan untuk Anda. Jangan memberikannya kepada orang lain. Hal ini dapat membahayakan, bahkan jika gejala penyakit mereka sama seperti penyakit Anda.
- Jika Anda mendapatkan efek samping, laporkan kepada dokter, apoteker atau perawat Anda. Termasuk efek samping yang mungkin tidak tercantum dalam informasi produk ini. Lihat bagian 4.

#### **Apa yang ada dalam informasi produk ini**

1. Apakah ULTRACET® itu dan digunakan untuk apa
2. Kapan tidak menggunakan ULTRACET®
3. Bagaimana cara menggunakan ULTRACET®
4. Efek samping yang mungkin terjadi
5. Overdosis
6. Bagaimana cara menyimpan ULTRACET®
7. Isi kemasan dan informasi lainnya



#### **1. APAKAH ULTRACET® ITU DAN DIGUNAKAN UNTUK APA**

ULTRACET® adalah obat yang mengandung opioid yang diresepkan oleh dokter untuk pengobatan jangka pendek nyeri akut.



#### **2. KAPAN TIDAK MENGGUNAKAN ULTRACET®**

Anda tidak boleh menggunakan ULTRACET® jika sebelumnya Anda pernah mengalami reaksi alergi (hipersensitivitas) terhadap tramadol hidroklorida atau asetaminofen, atau terhadap kandungan lainnya dari ULTRACET®, atau terhadap pereda nyeri opioid lainnya. Tolong beri tahu dokter Anda jika Anda memiliki reaksi alergi tersebut. Hipersensitivitas dapat dikenali misalnya dengan ruam kulit, gatal, sesak napas atau wajah bengkak. Jika salah satu dari ini terjadi, hubungi dokter Anda segera.

Jangan memberikan ULTRACET® kepada anak di bawah usia 12 tahun.

Jangan berikan ULTRACET® kepada anak di bawah usia 18 tahun yang baru saja menjalani operasi pengangkatan amandel atau kelenjar gondok.

Jangan menggunakan ULTRACET® jika Anda sedang mengonsumsi:

- obat tidur misalnya, hipnotik;
- obat-obatan yang memengaruhi suasana hati atau emosi Anda, misalnya obat-obatan narkotika dan psikotropika;
- pereda nyeri yang memengaruhi sistem saraf pusat Anda misalnya, analgesik dan opioid yang bekerja di sistem saraf pusat;
- Antidepresan seperti Penghambat Monoamin Oksidase (*MAO inhibitors*) baik sedang dikonsumsi saat ini atau dalam 14 hari terakhir.

Jangan menggunakan ULTRACET® jika Anda telah mengonsumsi alkohol.

Jangan menggunakan ULTRACET® jika Anda mengalami kesulitan bernapas yang serius, dengan pernapasan yang lambat atau dangkal.

Jika ragu, mintalah saran kepada apoteker atau dokter Anda.



## APA PERAWATAN KHUSUS YANG HARUS ANDA LAKUKAN?

- Jangan gunakan lebih dari dosis yang dianjurkan.
- Opioid dapat disalahgunakan dan digunakalahkan, dan Anda berisiko kecanduan opioid, bahkan jika Anda menggunakan dosis sesuai resep.
- Beri tahu dokter Anda jika Anda pernah mengalami reaksi alergi (ditandai dengan ruam kulit yang signifikan, gatal, gatal-gatal, kesulitan bernapas, dan/atau wajah bengkak) saat mengonsumsi kodein atau opioid lainnya.
- Beri tahu dokter jika Anda sedang mengonsumsi obat lain yang mengandung tramadol atau asetaminofen.
- Beri tahu dokter jika Anda sedang mengonsumsi obat lain, karena mengonsumsi beberapa obat tertentu bersama dengan ULTRACET® dapat meningkatkan risiko serangan (kejang).
- Beri tahu dokter jika Anda menderita asma, riwayat masalah pernapasan serius, atau jika Anda mengalami kesulitan bernapas, dengan pernapasan lambat atau dangkal.
- ULTRACET® dapat menyebabkan rendahnya kadar oksigen dalam darah dan masalah yang disebut *sleep apnea* (berhenti bernapas dari waktu ke waktu saat tidur). Beri tahu dokter Anda jika Anda memiliki riwayat *sleep apnea* atau jika ada yang memperhatikan Anda sesekali berhenti bernapas saat tidur.
- Tramadol bekerja dengan cara diubah (dimetabolisme) menjadi komponen aktifnya. Beberapa pasien mengubah (memetabolisme) Tramadol menjadi komponen aktif lebih cepat dan lengkap dibandingkan pasien lainnya. Pasien-pasien ini lebih cenderung mengalami efek samping yang serius, seperti kesulitan bernapas, dengan pernapasan yang lambat atau dangkal. Jika Anda mengalami jenis efek samping ini, hentikan penggunaan obat ini dan segera konsultasikan dengan dokter Anda.
- ULTRACET® tidak untuk digunakan pada anak di bawah 12 tahun karena dapat mengakibatkan kesulitan bernapas, dengan pernapasan lambat atau dangkal, yang dapat menyebabkan kematian.
- Beri tahu dokter jika Anda sedang mengonsumsi obat apa pun yang memperlambat sistem saraf pusat (SSP) Anda (misalnya, obat yang membuat Anda mengantuk, mengurangi kecemasan, atau menurunkan kesadaran). Mengonsumsi obat-obatan semacam ini (depresan SSP) dengan ULTRACET® dapat menyebabkan rasa kantuk yang parah, penurunan kesadaran dan kesulitan bernapas, dengan pernapasan yang lambat atau dangkal.
- Beri tahu dokter Anda jika Anda baru saja menderita cedera kepala atau sakit kepala parah yang berhubungan dengan muntah.
- Beri tahu dokter Anda jika Anda atau keluarga Anda memiliki riwayat ketergantungan atau penyalahgunaan obat-obatan, alkohol, atau obat penghilang rasa sakit opioid.
- Beri tahu dokter jika Anda memiliki riwayat masalah kesehatan mental.
- Beri tahu dokter Anda jika Anda ingin berhenti menggunakan ULTRACET®. Anda mungkin menjadi tergantung pada ULTRACET® dan mungkin perlu mengurangi dosis ULTRACET® secara perlahan untuk menghindari gejala putus obat.
- Beri tahu dokter jika Anda mengonsumsi, atau baru saja mengonsumsi obat yang digunakan untuk mengobati depresi seperti Penghambat Monoamine Oksidase (penghambat MAO) atau Penghambat Reuptake Serotonin Selektif (SSRI).
- Beri tahu dokter Anda jika Anda mengetahui bahwa Anda memiliki kelainan ginjal. Dosis ULTRACET® mungkin perlu disesuaikan.
- Beri tahu dokter Anda jika Anda tahu Anda memiliki masalah hati. ULTRACET® mungkin tidak direkomendasikan untuk Anda.
- Hentikan penggunaan ULTRACET® dan segera beri tahu dokter jika Anda mengalami ruam kulit, terutama:
  - Ruam merah yang ditutupi dengan benjolan kecil berisi nanah yang dapat menyebar ke seluruh tubuh, terkadang disertai demam (pustulosis eksantematosa generalisata akut).
  - Ruam yang mengancam jiwa dengan lepuh dan kulit mengelupas di sebagian besar tubuh (nekrolisis epidermal toksik).
  - Ruam parah dengan kulit melepuh dan mengelupas, terutama di sekitar mulut, hidung, mata, dan alat kelamin (sindrom Stevens-Johnson).
- Beberapa pasien yang minum obat ini mungkin mengalami kadar natrium yang rendah dalam darah (hiponatremia). Gejala natrium yang rendah dalam darah mungkin termasuk mual dan muntah, sakit kepala, merasa bingung, merasa sangat lelah, merasa gelisah, mudah tersinggung, kelemahan otot, kejang atau kram dan kejang. Pasien lanjut usia dan pasien yang menggunakan obat lain yang menurunkan natrium dalam

darah paling berisiko mengalami efek samping ini. Jika Anda mendapatkan salah satu dari gejala ini saat menggunakan ULTRACET®, segera beritahu dokter Anda.

- Beritahu dokter Anda jika Anda memiliki masalah atau pernah menjalani operasi pada kandung empedu atau saluran empedu Anda sehingga kondisi Anda dapat dipantau untuk mengetahui adanya potensi timbulnya pankreatitis akut (peradangan pankreas).
- Opioid dapat menyebabkan tingginya kadar hormon 'prolaktin' dan rendahnya kadar hormon seksual dalam darah. Efek dari perubahan hormon ini mungkin termasuk:
  - Pada wanita – produksi ASI yang tidak terduga; hilangnya periode menstruasi
  - Pada pria – payudara membesar; kesulitan mendapatkan dan mempertahankan ereksi (impotensi)
  - Pada wanita atau pria – penurunan gairah seks; infertilitas.

Beritahu dokter Anda jika Anda mengalami gejala-gejala tersebut. Anda mungkin memerlukan tes darah, dan dokter Anda mungkin meminta Anda untuk berhenti menggunakan ULTRACET®.

- Opioid dapat menyebabkan penurunan kadar hormon dalam darah yang disebabkan oleh masalah pada kelenjar adrenal. Efek dari perubahan hormon ini mungkin termasuk:
  - Mual, muntah, kehilangan nafsu makan, merasa sangat lelah dan lemah, merasa pusing, atau tekanan darah rendah.

Beritahu dokter Anda jika Anda mengalami gejala-gejala tersebut. Anda mungkin memerlukan tes darah, dan dokter Anda mungkin meminta Anda untuk berhenti menggunakan ULTRACET®.

- Beri tahu dokter Anda jika Anda memiliki penyakit parah, termasuk gangguan ginjal atau hati yang parah atau sepsis (ketika bakteri dan toksinnya beredar dalam darah yang menyebabkan kerusakan organ), atau Anda menderita malnutrisi, atau jika Anda juga sedang mengonsumsi flukloksasilin (antibiotik). Kondisi serius yang disebut asidosis metabolik (kelainan darah dan cairan) telah dilaporkan pada pasien dalam situasi ini dimana ketika asetaminofen digunakan dalam dosis rutin untuk jangka waktu lama atau ketika asetaminofen dikonsumsi bersamaan dengan flukloksasilin. Gejala asidosis metabolik dapat meliputi: kesulitan bernapas yang serius dengan napas dalam dan cepat, mengantuk, mual, dan muntah.



### **Kehamilan**

Jika Anda sedang, atau berpikir Anda mungkin, hamil, Anda harus memberitahu dokter Anda, yang akan memutuskan apakah Anda dapat menggunakan ULTRACET®. Obat-obatan opioid dapat memperlambat pernapasan bayi yang baru lahir. Penggunaan ULTRACET® dalam waktu lama selama kehamilan dapat menyebabkan gejala putus obat pada bayi Anda yang baru lahir yang dapat mengancam jiwa jika tidak dikenali dan diobati. Risiko ini meningkat pada trimester terakhir kehamilan.



### **Menyusui**

Anda disarankan untuk tidak mengonsumsi ULTRACET® jika Anda sedang menyusui, karena ULTRACET® dapat masuk ke dalam ASI Anda.



### **Mengemudi atau mengoperasikan mesin**

ULTRACET® mungkin membuat Anda merasa lelah, pusing atau mengantuk. Jika ini terjadi, jangan mengemudi atau menggunakan mesin apa pun.



### **Obat-obatan lainnya**

Harap beri tahu dokter atau apoteker Anda jika Anda sedang atau baru saja mengonsumsi obat lain. Ini termasuk obat-obatan yang Anda beli tanpa resep atau obat-obatan herbal. Secara khusus, beri tahu dokter atau apoteker

Anda jika Anda menggunakan obat-obatan berikut ini karena ULTRACET® dapat memengaruhi seberapa baik obat-obatan ini bekerja:

- Penghambat Monoamin Oksidase (MAOIs), digunakan untuk mengobati kondisi mental seperti depresi misalnya, phenelzine, tranylcypromine. Anda tidak boleh menggunakan ULTRACET® dengan MAOI atau dalam waktu 14 hari setelah terakhir meminumnya;
- Selective Serotonin Reuptake Inhibitors (SSRIs), digunakan untuk mengobati depresi atau Penyakit Parkinson;
- Obat-obatan yang digunakan untuk mengobati depresi misalnya, mirtazapine, antidepresan trisiklik, trazadone;
- Triptans, digunakan untuk mengobati migrain;
- Antagonis reseptor 5-HT<sub>3</sub>, digunakan untuk mengobati mual dan muntah;
- Obat-obatan yang memperlambat sistem saraf pusat Anda (depresan SSP) seperti obat penenang, obat tidur, obat yang digunakan untuk operasi (anestesi), obat penenang (benzodiazepin), obat yang digunakan untuk mengobati kondisi mental tertentu (obat psikotropika), beberapa obat penghilang rasa sakit yang kuat (opioid), atau alkohol;
- Antibiotik untuk mengobati infeksi, misalnya eritromisin, rifampisin, linezolid, flukloksasilin;
- Anti jamur yang digunakan untuk mengobati infeksi jamur, misalnya ketoconazole;
- Anti-retroviral yang digunakan untuk mengobati HIV/AIDs, misalnya ritonavir;
- Phenytoin, digunakan untuk mengobati kejang;
- Carbamazepine, digunakan untuk mengobati epilepsi dan beberapa jenis nyeri;
- Quinidine, digunakan untuk mengobati kondisi jantung (antiaritmia);
- Senyawa mirip warfarin, digunakan untuk menghentikan pembekuan darah (pengencer darah);
- Obat yang memperlambat atau mengurangi konversi (metabolisme) obat ini menjadi bentuk aktifnya (penghambat CYP2D6); misalnya, fluoxetine, paroxetine, amitriptyline, dan bupropion;
- Cimetidine, digunakan untuk mengobati luka bakar jantung dan tukak lambung.



### 3. BAGAIMANA CARA MENGGUNAKAN ULTRACET®

ULTRACET® tersedia dalam bentuk tablet untuk diminum.

Anda dapat menggunakan ULTRACET dengan atau tanpa makanan.

Jangan mengambil lebih dari dosis ULTRACET® yang disarankan. Dosis efektif terendah harus digunakan untuk jangka waktu terpendek.

#### **Dewasa (termasuk lansia) dan anak-anak berusia 16 tahun ke atas**

Minumlah 1 hingga 2 tablet setiap 4 hingga 6 jam sesuai kebutuhan untuk menghilangkan rasa sakit.

Jangan minum lebih dari 8 tablet dalam periode 24 jam.

#### **Pasien dengan gangguan ginjal atau hati**

Jangan mengonsumsi ULTRACET® jika Anda memiliki masalah hati yang parah.

Beri tahu dokter Anda jika Anda memiliki kelainan ginjal (klirens kreatinin kurang dari 30 mL/menit). Jangan minum lebih dari 2 tablet setiap 12 jam.

Jika ragu, mintalah saran dari dokter atau apoteker Anda.



### 4. Efek samping yang mungkin terjadi

Seperti semua obat lainnya, obat ini juga dapat menyebabkan efek samping, meskipun tidak semua orang mendapatkannya.

Beri tahu dokter Anda jika Anda mengalami salah satu efek samping berikut selama mengonsumsi ULTRACET®:

|                                         |
|-----------------------------------------|
| <b>Gangguan metabolisme dan nutrisi</b> |
| Kehilangan nafsu makan                  |
| <b>Gangguan kejiwaan</b>                |

|                                                                                |
|--------------------------------------------------------------------------------|
| Susah tidur                                                                    |
| <b>Gangguan sistem saraf</b>                                                   |
| Pusing                                                                         |
| Sakit kepala                                                                   |
| Merasa ngantuk                                                                 |
| <b>Gangguan pencernaan</b>                                                     |
| Mual                                                                           |
| Muntah                                                                         |
| Sembelit                                                                       |
| Diare                                                                          |
| Gangguan pencernaan                                                            |
| Mulut kering                                                                   |
| Ketidaknyamanan abdomen [ketidaknyamanan perut]                                |
| <b>Gangguan kulit dan jaringan subkutan</b>                                    |
| Gatal                                                                          |
| Meningkatnya keringat                                                          |
| <b>Gangguan umum dan kondisi tempat administrasi</b>                           |
| Merasa lelah                                                                   |
| <b>Gangguan kejiwaan</b>                                                       |
| Depresi                                                                        |
| <b>Gangguan pembuluh darah</b>                                                 |
| Muka memerah                                                                   |
| <b>Gangguan pencernaan</b>                                                     |
| Sakit abdomen [sakit perut]                                                    |
| Membuang gas [angin]                                                           |
| <b>Gangguan kulit dan jaringan subkutan</b>                                    |
| Ruam                                                                           |
| <b>Gangguan sistem kekebalan tubuh</b>                                         |
| Biduran                                                                        |
| Reaksi alergi                                                                  |
| <b>Gangguan metabolisme dan nutrisi</b>                                        |
| Rendahnya kadar gula dalam darah                                               |
| <b>Gangguan kejiwaan</b>                                                       |
| Merasa cemas                                                                   |
| Merasa gugup                                                                   |
| Merasa gelisah                                                                 |
| Merasa sangat bahagia                                                          |
| Gairah seks menurun                                                            |
| Masalah tidur                                                                  |
| Merasa bingung                                                                 |
| Merasa disorientasi (salah dalam menentukan waktu, tempat, dan/atau orang)     |
| Merasa mudah tersinggung                                                       |
| Mimpi yang tidak biasa                                                         |
| Menyalahgunakan cara Anda menggunakan obat-obatan seperti [nama aktif obat]    |
| Melihat, merasakan, mendengar atau mencium sesuatu yang tidak ada (halusinasi) |
| Ngidam obat setelah berhenti minum obat                                        |
| <b>Gangguan sistem saraf</b>                                                   |
| Migrain                                                                        |
| Merasa sangat mengantuk dengan energi rendah                                   |
| Berkurangnya perasaan atau kepekaan, terutama pada kulit                       |
| Tremor otot                                                                    |
| Perasaan yang tidak biasa di kulit (seperti kesemutan atau perasaan merayap)   |
| Sulit berkonsentrasi                                                           |
| Pingsan                                                                        |

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| Menjadi pelupa                                                                                                                      |
| Menjadi hiperaktif                                                                                                                  |
| Mengantuk                                                                                                                           |
| Kehilangan ingatan                                                                                                                  |
| Kesulitan berpikir, mengingat informasi, atau memecahkan masalah                                                                    |
| Kejang [konvulsi]                                                                                                                   |
| <b>Gangguan mata</b>                                                                                                                |
| Penglihatan kabur                                                                                                                   |
| Masalah dengan penglihatan                                                                                                          |
| Pupil mata menjadi sangat kecil                                                                                                     |
| <b>Gangguan telinga dan labirin</b>                                                                                                 |
| Sensasi berputar (vertigo)                                                                                                          |
| Dering terus-menerus di telinga (tinnitus)                                                                                          |
| Ketidaknyamanan telinga                                                                                                             |
| <b>Gangguan jantung</b>                                                                                                             |
| Detak jantung terasa cepat atau tidak beraturan (palpitasi)                                                                         |
| Detak jantung cepat                                                                                                                 |
| <b>Gangguan pembuluh darah</b>                                                                                                      |
| Tekanan darah tinggi                                                                                                                |
| Tekanan darah rendah                                                                                                                |
| <b>Gangguan pernapasan, toraks, dan mediastinum</b>                                                                                 |
| Menjadi sesak napas                                                                                                                 |
| Tenggorokan kering                                                                                                                  |
| <b>Gangguan hepatobilier</b>                                                                                                        |
| Peningkatan kadar enzim hati dalam darah                                                                                            |
| <b>Gangguan kulit dan subkutan</b>                                                                                                  |
| Gatal                                                                                                                               |
| Keringat dingin                                                                                                                     |
| <b>Gangguan ginjal dan saluran kemih</b>                                                                                            |
| Masalah buang air kecil                                                                                                             |
| <b>Gangguan sistem reproduksi dan payudara</b>                                                                                      |
| Kesulitan mendapatkan dan mempertahankan ereksi (impotensi)                                                                         |
| <b>Gangguan umum dan kondisi tempat administrasi</b>                                                                                |
| Merasa lemah                                                                                                                        |
| Sakit dada                                                                                                                          |
| Merasa tidak normal                                                                                                                 |
| Panas dingin                                                                                                                        |
| Ketidaknyamanan dada                                                                                                                |
| Merasa umumnya tidak sehat                                                                                                          |
| Ngidam obat setelah berhenti minum obat                                                                                             |
| Menjadi haus                                                                                                                        |
| Merasa gelisah                                                                                                                      |
| Merasa panas                                                                                                                        |
| <b>Investigasi</b>                                                                                                                  |
| Penurunan berat badan                                                                                                               |
| Penurunan tingkat 'kreatinin' dalam darah                                                                                           |
| <b>Gangguan sistem kekebalan tubuh</b>                                                                                              |
| Reaksi alergi parah yang mungkin termasuk:                                                                                          |
| - bengkak pada wajah, bibir, mulut, lidah atau tenggorokan                                                                          |
| - kesulitan menelan atau bernapas                                                                                                   |
| - ruam dengan gatal-gatal (biduran)                                                                                                 |
| Ruam parah dengan kulit melepuh dan mengelupas, terutama di sekitar mulut, hidung, mata, dan alat kelamin (sindrom Stevens-Johnson) |
| Ruam yang mengancam jiwa dengan lepuh dan kulit mengelupas di sebagian besar tubuh (nekrolisis epidermal toksik)                    |

|                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gangguan kejiwaan</b>                                                                                                                              |
| Perubahan cepat dan ekstrim dalam ekspresi emosi                                                                                                      |
| Kebingungan yang parah                                                                                                                                |
| Pikiran untuk melukai atau membunuh diri sendiri                                                                                                      |
| <b>Gangguan sistem saraf</b>                                                                                                                          |
| Ketegangan otot yang tidak normal                                                                                                                     |
| Masalah mampu menghasilkan atau mengontrol gerakan                                                                                                    |
| Peningkatan 'serotonin' yang mengancam jiwa di otak (sindrom serotonin), yang dapat menyebabkan:                                                      |
| - merasa bingung atau gelisah                                                                                                                         |
| - berkeringat, menggigil, otot tersentak                                                                                                              |
| - detak jantung cepat                                                                                                                                 |
| Masalah bicara                                                                                                                                        |
| <b>Gangguan mata</b>                                                                                                                                  |
| Pupil menjadi sangat besar                                                                                                                            |
| <b>Gangguan pembuluh darah</b>                                                                                                                        |
| Merasa pusing saat duduk atau berdiri                                                                                                                 |
| <b>Gangguan hepatobilier</b>                                                                                                                          |
| Hati yang meradang (hepatitis)                                                                                                                        |
| <b>Gangguan umum dan kondisi tempat administrasi</b>                                                                                                  |
| Masalah berjalan                                                                                                                                      |
| <b>Investigasi / Pemeriksaan</b>                                                                                                                      |
| Tes darah yang menunjukkan bahwa darah membutuhkan waktu lebih lama untuk membeku                                                                     |
| <b>Gangguan metabolisme dan nutrisi</b>                                                                                                               |
| Tingkat natrium yang rendah dalam darah/tingkat 'hormon antidiuretik' yang tinggi dalam darah (sindrom sekresi hormon antidiuretik yang tidak sesuai) |
| <b>Gangguan sistem kekebalan tubuh</b>                                                                                                                |
| Kulit merah dan bengkak yang mungkin melepuh*                                                                                                         |
| * Lepuhan tetap dikaitkan dengan acetaminophen saja                                                                                                   |

Jika Anda mendapatkan efek samping, atau merasakan salah satu efek samping yang tidak tercantum dalam informasi ini, beritahu dokter atau apoteker Anda.



## 5. OVERDOSIS

Segera beri tahu dokter Anda jika Anda mengonsumsi terlalu banyak ULTRACET®, terutama jika Anda mengalami salah satu dari gejala berikut:

Kesulitan bernapas dengan pernapasan lambat atau dangkal dan/atau kejang (kejang), iritasi dan rasa tidak nyaman di perut dan usus, kehilangan nafsu makan, mual, muntah, merasa tidak enak badan, warna pucat yang tidak biasa dan berkeringat. Kasus konduksi listrik abnormal di jantung (perpanjangan QT) telah dilaporkan.

Dokter Anda akan mengambil tindakan yang diperlukan.

Apabila tablet ULTRACET® tertelan secara tidak sengaja, terutama oleh anak-anak, dapat menyebabkan kesulitan bernapas, pernapasan lambat atau dangkal, dan/atau kejang. Kematian telah dilaporkan.



## 6. BAGAIMANA CARA MENYIMPAN ULTRACET®

Jauhkan obat ini dari pandangan dan jangkauan anak-anak.

Simpan obat ini dengan aman, dimana orang lain tidak dapat mengaksesnya. Hal ini dapat membahayakan orang yang mungkin meminum obat ini secara tidak sengaja atau sengaja namun tidak diresepkan untuk mereka.

Obat ini hanya dapat disimpan untuk jangka waktu terbatas. Jangan gunakan ULTRACET® setelah tanggal (bulan dan tahun) yang dicetak setelah tulisan "EXP", meskipun telah disimpan dengan baik.

Obat-obatan tidak boleh dibuang melalui air limbah atau limbah rumah tangga. Tanyakan apoteker Anda bagaimana membuang obat-obatan yang tidak diperlukan lagi. Langkah-langkah ini akan membantu melindungi lingkungan.



## **7. ISI KEMASAN DAN INFORMASI LAINNYA**

Bahan aktif dalam tablet ULTRACET® adalah tramadol hidroklorida 37,5 mg dan asetaminofen 325 mg. Tablet ULTRACET® berwarna kuning muda, berbentuk kaplet, isi tablet berwarna putih dan pada permukaan tablet bertuliskan "J-C" di satu sisi dan "T/P" di sisi lain.

Tablet juga mengandung lilin carnauba, hypromellose, oksida besi, magnesium stearat, pati jagung, polietilen glikol, polisorbat 80, selulosa bubuk, pati pregelatinized, glikolat pati natrium, dan titanium dioksida.

### **HARUS DENGAN RESEP DOKTER**

#### **NOMOR REGISTRASI:**

ULTRACET® Tablet

Dus @ 3 blister @ 10 tablet

No. Reg.: DKI2210902310A1

Diproduksi oleh Janssen-Cilag S.p.A., Via C. Janssen, Italy

Didaftarkan oleh PT Integrated Healthcare Indonesia, Jakarta - Indonesia

Untuk laporan efek samping dan keluhan dapat menghubungi [drugsafety@jacid.jni.com](mailto:drugsafety@jacid.jni.com)

Berdasarkan CPPI **v.008 2May2025**