

Icatibant Injection

Rx Only

19AUF03



HIGHLIGHTS OF PRESCRIBING INFORMATION

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

ICATIBANT injection, for subcutaneous use

Initial U.S. Approval: 2011

INDICATIONS AND USAGE

Icatibant Injection is a bradykinin B2 receptor antagonist indicated for treatment of acute attacks of hereditary angioedema (HAE) in adults 18 years of age and older. (1)

DOSAGE AND ADMINISTRATION

- 30 mg injected subcutaneously in the abdominal area. (2.1)
- If response is inadequate or symptoms recur, additional injections of 30 mg may be administered at intervals of at least 6 hours. (2.1)
- Do not administer more than 3 injections in 24 hours. (2.1)
- Patients may self-administer upon recognition of an HAE attack. (2.2)

DOSAGE FORMS AND STRENGTHS

Injection: 10 mg per mL (3)

CONTRAINDICATIONS

None (4)

FULL PRESCRIBING INFORMATION: CONTENTS*

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WARNINGS AND PRECAUTIONS

- Laryngeal attacks: Following treatment of laryngeal attacks with icatibant, advise patients to seek immediate medical attention. (5.1)

ADVERSE REACTIONS

The most commonly reported adverse reactions were injection site reactions, which occurred in almost all patients (97%) in clinical trials. Other common adverse reactions occurring in greater than 1% of patients included pyrexia, transaminase increase, dizziness, and rash. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Leucadia Pharmaceuticals at 1-877-411-9681 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch

USE IN SPECIFIC POPULATIONS

- Elderly patients demonstrate increased systemic exposure to icatibant. Differences in efficacy and safety between elderly and younger patients have not been identified. (8.5)

See 17 for Patient Counseling Information and FDA-approved patient labeling.

Revised: 04/2020

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*Sections or subsections omitted from Full Prescribing Information are not listed.

6.3 Postmarketing experience

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

7 DRUG INTERACTIONS

7.1 ACE Inhibitors

Icatibant is a bradykinin B2 receptor antagonist and thereby has the potential to have a pharmacodynamic interaction with ACE inhibitors where icatibant may attenuate the antihypertensive effect of ACE inhibitors. Clinical trials to date have excluded subjects taking ACE inhibitors.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Available data from published literature and the pharmacovigilance database with icatibant use in pregnant women have not identified a drug-associated risk of major birth defects, miscarriage or adverse maternal or fetal outcomes. In animal reproduction studies, icatibant, administered by the subcutaneous route during the period of organogenesis, did not cause structural abnormalities in rats or rabbits; however, premature birth and abortion were observed in rabbits at doses approximately 0.025 times the maximum recommended human dose (MRHD) and higher. Decreased embryofetal survival was observed in rabbits at a subcutaneous dose that was 13 times the MRHD. In a pre-and post-natal development study in rats, delayed parturition was observed at subcutaneous doses 0.5 times the MRHD and higher, which resulted in deaths of dams at doses 2 times the MRHD and higher. Fetal death and early pup deaths were observed with doses 2 times the MRHD (*see Data*).

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Data

Animal Data

In an embryo-fetal development study with rats that received icatibant from gestation days 7 to 18, there was no evidence of any treatment-related structural abnormalities or effects on embryo-fetal survival with maternal doses up to 2.7 times the MRHD (on a mg/m² basis with maternal subcutaneous doses up to 25 mg/kg/day). In a fertility and early embryonic development study with rats, icatibant increased pre-implantation loss at a dose that was 7 times the MRHD (on an AUC basis at a maternal dose of 10 mg/kg/day). In an embryo-fetal development study with rabbits that received icatibant from gestation days 7 to 18, premature birth and abortion rates increased at doses approximately 0.025 times the MRHD and higher (on a mg/m² basis at maternal subcutaneous doses of 0.1 mg/kg and higher). Icatibant treatment resulted in dose-related decreases of total implantations and total number of live fetuses as well as dose-related increases of percent pre-implantation loss at a dose that was 13 times the MRHD (on an AUC basis with a maternal subcutaneous dose of 10 mg/kg/day). There was no evidence of any treatment-related structural abnormalities with maternal doses up to 13 times the MRHD (on an AUC basis with maternal subcutaneous doses up to 10 mg/kg/day).

In a pre-and post-natal development study in the rat, dams received icatibant by the subcutaneous route at doses of 1 mg/kg/day, 3 mg/kg/day, and 10 mg/kg/day from gestation day 6 to post-partum (PPD) day 20. Delayed parturition was observed at doses 0.5 times the MRHD and higher (on an AUC basis with maternal subcutaneous doses of 1 mg/kg/day and higher), which resulted in deaths of dams at doses 2 times the MRHD and higher (on an AUC basis with maternal subcutaneous doses of 3 mg/kg/day and higher). Fetal death and increased pup deaths through PPD 4 were observed with doses 2 times the MRHD (on an AUC with a maternal subcutaneous dose of 3 mg/kg/day and higher). Impairment of pup righting reflex and decreased pup hair growth were also observed at 7 times the MRHD (on an AUC basis with a maternal dose of 10 mg/kg). Icatibant and the M2 metabolite were found in maternal milk following subcutaneous administration of icatibant. The no effect dose for F1 pups was identified at a dose 0.5 times the MRHD (on an AUC basis with a maternal subcutaneous dose of 1 mg/kg/day). A no effect dose was not identified for F₀ maternal toxicity.

8.2 Lactation

Risk Summary

There are no data on the presence of icatibant in human milk, the effects on the breastfed infant, or the effects on milk production. Icatibant and the M2 metabolite were found in rat milk following subcutaneous administration of icatibant (*see Data*). When a drug is present in animal milk, it is likely that the drug will be present in human milk. However, systemic absorption of icatibant in infants is not expected after oral exposure through breast milk. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for icatibant and any potential adverse effects on the breastfed child from icatibant or from the underlying maternal condition.

Data

Animal Data

Icatibant is excreted into the milk of lactating rats at concentrations that sometimes slightly exceeded those measured in the maternal plasma.

8.4 Pediatric Use

Safety and effectiveness in pediatric patients below the age of 18 years have not been established.

Juvenile Toxicity Data

Subcutaneous daily administration of icatibant to young rats during the juvenile period of development (postnatal days 22 to 70) delayed the sexual maturation of male reproductive tissues (atrophy of testes and epididymides) at exposures approximating one-third or greater the MRHD on a mg/m² basis. Impaired fertility and reproductive performance were also observed in male rats at the end of the postnatal treatment period at exposures

Patient Information

Icatibant (eye-KAT-i-bant) Injection

Please read this Patient Information before you use Icatibant Injection and each time you get a refill. There may be new information. This information does not take the place of talking with your healthcare provider about your medical condition or your treatment.

What is Icatibant Injection?

Icatibant Injection is a medicine used to treat acute attacks of hereditary angioedema (HAE) in adults 18 years and older. It is not known if Icatibant Injection is safe or effective for children under 18 years of age.

What should I tell my healthcare provider before taking Icatibant Injection?

Before you use Icatibant Injection, tell your healthcare provider if you:

- have any other medical conditions.
- are breastfeeding or plan to breastfeed. It is not known if Icatibant Injection passes into your breast milk. Talk to your healthcare provider about the best way to feed your baby if you use Icatibant Injection.
- are pregnant or plan to become pregnant. It is not known if Icatibant Injection will harm your unborn baby. You and your healthcare provider will decide if Icatibant Injection is right for you.

Tell your healthcare provider about all the medicines you take, including prescription and non-prescription medicines, vitamins, and herbal supplements.

How should I use Icatibant Injection?

- Use Icatibant Injection exactly as your healthcare provider tells you to use it.
- Your healthcare provider will prescribe the right dose of Icatibant Injection for you and tell you when to use it.
- Your healthcare provider will teach you or a caregiver how to give icatibant injections
- Read the Instructions for Use at the end of the Patient Information for information about the right way to use Icatibant Injection.
- If your symptoms continue or come back, you may repeat your Icatibant Injection at least six hours apart.
- Do not use more than 3 doses in 24 hours.
- If you have a laryngeal attack**, inject Icatibant Injection and then go to the nearest hospital emergency room right away.

What should I avoid while using Icatibant Injection?

Tiredness, drowsiness, and dizziness can occur in people who take Icatibant Injection. If this occurs, do not drive a car, use machinery, or do anything that needs you to be alert.

What are the possible side effects of Icatibant Injection?

The most common side effects of Icatibant Injection include:

- redness, bruising, swelling, warmth, burning, itching, irritation, hives, numbness, pressure, or pain at the injection site
- fever
- too much of an enzyme called transaminase in your blood
- dizziness
- nausea
- headache
- rash

Tell your healthcare provider if you have any side effect that bothers you or that does not go away.

These are not all of the possible side effects of Icatibant Injection. For more information, ask your healthcare provider or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store Icatibant Injection?

- Store Icatibant Injection between 36° to 77°F (2° to 25°C).
- Do not freeze.
- Store Icatibant Injection in the original carton until you are ready to use it.

Keep Icatibant Injection and all medicines out of the reach of children.

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

This Patient Information leaflet summarizes the most important information about Icatibant Injection. If you would like more information, talk with your healthcare provider. You can ask your pharmacist or healthcare provider for information about Icatibant Injection that is written for health professionals. For more information, call 1-877-411-9681.

What are the ingredients in Icatibant Injection?

Active ingredient: icatibant acetate

Inactive Ingredients: sodium chloride, glacial acetic acid, sodium hydroxide, and water for injection

Step-by-Step Instructions for your Icatibant Injection

Step 1. Preparing your dose of Icatibant Injection

- Wash your hands with soap and water.
- You will need the following supplies:
 - Your Icatibant Injection carton that includes 1 single-dose Icatibant Injection prefilled syringe and 1 needle.
 - An alcohol wipe
 - The medicine inside your Icatibant Injection prefilled syringe should be clear and colorless. Do not use your Icatibant Injection prefilled syringe if the solution contains particles, is cloudy, or an unusual color.

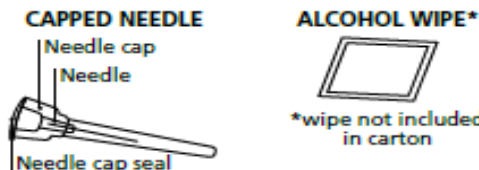
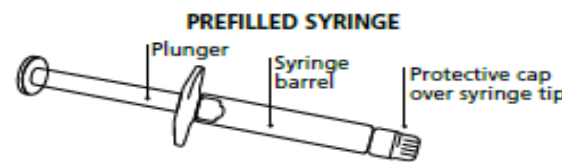


Figure A

Step 2. Remove the prefilled syringe and needle from the carton. See Figure B.

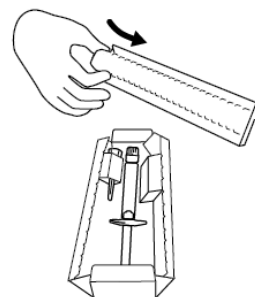


Figure B

Step 3. Remove the seal from the needle cap (the needle should remain inside the protective needle cap until ready to use). See Figure C.



Figure C

Step 4. Remove the protective cap from the end of the pre-filled syringe by unscrewing the cap. Hold the syringe firmly. Carefully attach the needle to the prefilled syringe containing the colorless Icatibant Injection solution. See Figure D.

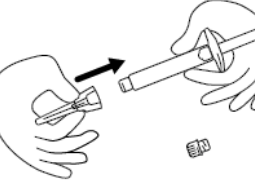


Figure D

Step 5. Firmly screw the needle on the prefilled syringe. Be careful not to remove the needle from the needle cap. See Figure E.

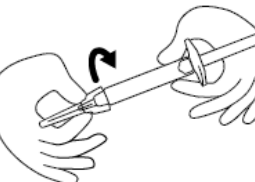


Figure E

