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2. Toujeo SoloStar

Toujeo SoloStar

Generic name: [insulin glargine](#) [*IN-su-lin-GLAR-gine*]**Drug class:** [Insulin](#)Medically reviewed by [Philip Thornton, DipPharm](#). Last updated on Aug 21, 2023.[Uses](#) [Warnings](#) [Before taking](#) [Dosage](#) [Side effects](#) [Interactions](#) [FAQ](#)

What is Toujeo?

Toujeo is a man-made form of a hormone that is produced in the body. Insulin is a hormone that works by lowering levels of glucose (sugar) in the blood. Insulin glargine is a long-acting insulin that starts to work several hours after injection and keeps working evenly for 24 hours.

Toujeo is used to improve blood sugar control in adults and children who are 6 years of age and older with diabetes mellitus.

Toujeo is not for use to treat diabetic ketoacidosis.

Toujeo is available in two different single-patient-use prefilled pen presentations:

- **Toujeo SoloStar** - 1.5mL syringe (300 units/mL) contains 450 units of insulin glargine. It delivers doses in 1 unit increments and can deliver up to 80 units in a single injection
- **Toujeo Max SoloStar**- 3 mL syringe (300 units/mL) contains 900 units of insulin glargine. It delivers doses in 2 unit increments and can deliver up to 160 units in a single injection. Toujeo Max SoloStar is recommended for patients requiring at least 20 units per day.

Warnings

Toujeo contains 3 times as much insulin per milliliter (mL) as regular insulin.

You should not use Toujeo if you are having an episode of hypoglycemia (low blood sugar), or if you are in a state of diabetic ketoacidosis (call your doctor for treatment).

Never share an injection pen with another person, even if the needle has been changed.

Sharing injection pens can allow disease such as hepatitis or HIV to pass from one person to another.

Toujeo is only part of a complete program of treatment that may also include diet, exercise, weight control, foot care, eye care, dental care, and testing your blood sugar. Follow your diet, medication, and exercise routines very closely.

Changing any of these factors can affect your blood sugar levels.

Before taking this medicine

You should not use Toujeo if you are allergic to insulin, or if you are having an episode of [hypoglycemia](#) (low blood sugar) or [diabetic ketoacidosis](#) (call your doctor for treatment).

Toujeo is not approved for use by anyone younger than 6 years old, and some brands are for use only in adults. **Do not use this medicine to treat type 2 diabetes in a child of any age.**

To make sure this medicine is safe for you, tell your doctor if you have:

- liver or kidney disease; or
- [heart failure](#) or other heart problems.

Tell your doctor if you also take [pioglitazone](#) or [rosiglitazone](#) (sometimes contained in combinations with [glimepiride](#) or [metformin](#)). Taking certain oral diabetes medicines while you are using insulin may increase your risk of serious heart problems.

Tell your doctor if you are pregnant or breastfeeding.

Follow your doctor's instructions about using this medicine **if you are pregnant or you become pregnant**. Controlling diabetes is very important during pregnancy.

 [Toujeo SoloStar pregnancy and breastfeeding warnings](#) (more detail)

How should I use Toujeo SoloStar?

Use Toujeo exactly as prescribed by your doctor. Follow all directions on your prescription label and read all medication guides or instruction sheets.

Toujeo SoloStar is injected under the skin, usually once per day at the same time of day.

When treating type 1 diabetes, use your short-acting insulin before meals as directed by your doctor.

Toujeo SoloStar must not be given with an insulin pump, or mixed with other insulins. Do not inject this medicine into a vein or a muscle.

Ask your doctor or pharmacist if you don't understand how to use an injection.

Prepare an injection only when you are ready to give it. Call your pharmacist if the medicine looks cloudy, has changed colors, or has particles in it.

Your healthcare provider will show you where to inject Toujeo SoloStar. Do not inject into the same place two times in a row.

Avoid injecting into skin that is damaged, tender, bruised, pitted, thickened, scaly, or has a scar or hard lump.

Toujeo contains 300 units of insulin glargine per milliliter (mL), which is 3 times stronger than brands that contain 100 units per mL.

Your dose needs may change if you switch to a different brand, strength, or form of this medicine. Avoid medication errors by using only the medicine your doctor prescribes.

If you use an injection pen, use only the injection pen that comes with Toujeo SoloStar. Attach a new needle before each use. Do not transfer the insulin from the pen into a syringe.

Never share an injection pen, even if you changed the needle. Sharing these devices can pass infections from person to person.

Blood sugar can be affected by [stress](#), illness, surgery, exercise, alcohol use, or skipping meals.

Low blood sugar (**hypoglycemia**) can make you feel very hungry, dizzy, irritable, or shaky. To quickly treat hypoglycemia, eat or drink hard candy, crackers, raisins, fruit juice, or non-diet soda. Your doctor may prescribe [glucagon](#) injection in case of severe hypoglycemia.

Tell your doctor if you have frequent symptoms of high blood sugar (hyperglycemia) such as increased thirst or urination. Ask your doctor before changing your medication dosage.

Keep this medicine in its original container protected from heat and light. Do not freeze insulin or store it near the cooling element in a refrigerator. **Throw away any insulin that has been frozen.**

Storing unopened (not in use) Toujeo SoloStar:

- Refrigerate and use until [expiration date](#); or

Storing opened (in use) Toujeo SoloStar:

- Store **Toujeo** at room temperature below 86 degrees Fahrenheit (**do not refrigerate**) and use within 56 days.

Do not store an injection pen with the needle attached. Do not reuse a needle or syringe. Place them in a puncture-proof "sharps" container and dispose of it following state or local laws. Keep out of the reach of children and pets.

Wear a medical alert tag or carry an ID card to let others know you have diabetes.

 [Detailed Toujeo SoloStar dosage information](#)

What happens if I miss a dose?

Call your doctor for instructions if you miss a dose. **Do not** use more than one dose in a 24-hour period unless your doctor tells you to.

Get your prescription refilled before you run out of medicine completely.

What happens if I overdose?

Seek emergency medical attention or call the Poison Help line at 1-800-222-1222. **Insulin overdose can cause severe hypoglycemia.** Symptoms include drowsiness, confusion, blurred vision, numbness or tingling in your mouth, trouble speaking, muscle weakness, clumsy or jerky movements, seizure (convulsions), or loss of consciousness.

What should I avoid while using Toujeo?

Avoid driving or hazardous activity until you know how Toujeo will affect you. Your reactions could be impaired.

Avoid medication errors by always checking the medicine label before injecting your insulin.

Avoid drinking alcohol or using medicines that contain alcohol. It may interfere with your diabetes treatment.

Toujeo side effects

Get emergency medical help if you have **any signs of an allergic reaction to Toujeo**: redness or swelling where an injection was given, [itchy skin](#) rash over the entire body, trouble breathing, fast heartbeats, feeling like you might pass out, or swelling in your tongue or throat.

Call your doctor at once if you have:

- rapid weight gain, swelling in your feet or ankles;
- shortness of breath; or
- **low blood potassium** - leg cramps, [constipation](#), irregular heartbeats, fluttering in your chest, increased thirst or urination, numbness or tingling, muscle weakness or limp feeling.

Common Toujeo side effects may include:

- low blood sugar;
- swelling, weight gain;
- allergic reaction, itching, rash; or
- thickening or hollowing of the skin where you injected the medicine.

This is not a complete list of side effects and others may occur. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

 [Toujeo SoloStar side effects](#) (more detail)

Related/similar drugs

Ozempic

Learn about Ozempic (semaglutide) for type 2 diabetes treatment, weight management, cardiovascular ...

Reviews & ratings

6.6 / 10

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Rybelsus

Rybelsus tablets are used to improve blood sugar control in adults with type 2 diabetes, and may ...

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6.4 / 10

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FEATURED

Mounjaro

Mounjaro (tirzepatide) is FDA-approved to manage type 2 diabetes in adults. It lowers blood sugar ...

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8.5 / 10

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Trulicity

Trulicity is an injectable diabetes medicine that is used together with diet and exercise to ...

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Lantus

Lantus is a long acting form of insulin used to treat type 1 or type 2 diabetes. Learn about side ...

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Tresiba

Tresiba (insulin degludec) is used to treat diabetes mellitus. Includes Tresiba side effects ...

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Victoza

Victoza helps control blood sugar levels and reduce the risk of serious heart problems in people ...

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Metformin

Metformin is an oral diabetes medicine used together with diet and exercise to improve blood sugar ...

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Humalog

Humalog (insulin lispro) is used to treat type 1 (insulin-dependent) diabetes in adults. Includes ...

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6.8 / 10

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Basaglar

Basaglar (insulin glargine) is a long-acting insulin that is used to improve blood sugar control in ...

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What other drugs will affect Toujeo?

Many drugs can affect your blood sugar and may also interact with insulin glargine. Some medicines can increase or decrease the effects of insulin. Some drugs can also cause you to have fewer symptoms of hypoglycemia, making it harder to tell when your blood sugar is low. Tell each of your health care providers about all medicines you use now and any medicine you start or stop using. This includes prescription and over-the-counter medicines, [vitamins](#), and [herbal products](#). Tell your doctor about all other medicines you use. Not all possible interactions are listed here.

 [Toujeo SoloStar drug interactions](#) (more detail)

Does Toujeo SoloStar interact with my other drugs?

Enter medications to view a detailed interaction report using our [Drug Interaction Checker](#).

Toujeo SoloStar

+

Enter a drug name

Add

Toujeo solostar Biosimilars

Biosimilar and interchangeable products are biological products that are highly similar to and have no clinically meaningful differences from the reference product.

Reference products

These are biological products that have already been approved by the FDA, against which biosimilar products are compared. There are 4 for Toujeo SoloStar.

Basaglar (insulin glargine) - Eli Lilly and Company



Formulation type	Strength
Autoinjector	300 units/3 mL (100 units/mL)

View [Basaglar](#) information in detail.

Lantus (insulin glargine) - Sanofi-Aventis U.S. LLC



Semglee (insulin glargine) - Mylan Pharmaceuticals Inc.



Toujeo (insulin glargine) - Sanofi-Aventis U.S. LLC



Lantus interchangeable products

Interchangeable biosimilar products can be dispensed by a pharmacist without the intervention of the prescriber of the reference product.

Pharmacy laws for biosimilar prescribing may vary by state.

Rezvoglar (insulin glargine-aglr) - Eli Lilly and Company



Semglee (insulin glargine-yfgr) - Biocon Biologics Inc.



Popular FAQ

Toujeo vs Lantus - What's the difference between them?



When is the best time to take Toujeo?



How long can Toujeo stay out of the refrigerator?



Can Toujeo be given twice a day?



How many pens are in a box of Toujeo?



Is Toujeo a fast or long-acting insulin?



How and where should I inject insulin?



More FAQ

- [Toujeo vs Tresiba - What's the difference between them?](#)
- [How much Toujeo is too much?](#)

[View more FAQ...](#)

References

1. [Toujeo Product Label](#)

More about Toujeo SoloStar (insulin glargine)

- [Check interactions](#)
- [Compare alternatives](#)
- [Reviews \(45\)](#)
- [Drug images](#)
- [Latest FDA alerts \(3\)](#)
- [Side effects](#)
- [Dosage information](#)

- [Patient tips](#)
- [During pregnancy](#)
- [FDA approval history](#)
- [Drug class: insulin](#)
- [En español](#)

Patient resources

Other brands

[Lantus](#), [Basaglar](#), [Semglee](#), [Rezvoglar](#)

Professional resources

- [Toujeo prescribing information](#)
- [Insulin Glargine \(AHFS Monograph\)](#)

Other brands

[Lantus](#), [Basaglar](#), [Semglee](#), [Rezvoglar](#)

Related treatment guides

- [Type 2 Diabetes](#)
- [Diabetes, Type 1](#)

Further information

Remember, keep this and all other medicines out of the reach of children, never share your medicines with others, and use Toujeo only for the indication prescribed.


Always consult your healthcare provider to ensure the information displayed on this page applies to your personal circumstances.

[Medical Disclaimer](#)

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DRUG STATUS

Availability
Rx Prescription only

Pregnancy & Lactation
 Risk data available

CSA Schedule*
N/A Not a controlled drug

Approval History



User Reviews & Ratings

4.1 / 10

[45 Reviews](#)

Images

[Toujeo SoloStar 300 units per mL \(U-300\) 1.5 mL prefilled pen](#)

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