

WOLVERINE STACK 20 MG / 3 ML SOLUTION FOR INJECTION IN PRE-FILLED PEN

PATIENT INFORMATION LEAFLET

Read all of this leaflet carefully before you start using this medicine because it contains important information for you.

- Keep this leaflet. You may need to read it again (or access it online via the hosted link provided by your supplier or healthcare provider).
- If you have any further questions, ask your doctor, pharmacist, or healthcare provider.
- This medicine has been supplied for you only. Do not pass it on to others. It may harm them, even if their signs of illness are the same as yours.
- If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. Report side effects online if applicable in your region.

1. What Wolverine Stack is and what it is used for

Wolverine Stack is a research peptide complex combining two synergistic compounds in a fixed 1:1 ratio:

- **BPC-157 10 mg** — a synthetic gastric pentadecapeptide studied for tissue repair, cytoprotection, angiogenesis, and anti-inflammatory effects.
- **TB-500 (thymosin beta-4 fragment) 10 mg** — studied for actin regulation, cellular migration, tissue recovery, and regeneration.

Total: **20 mg** per pen (10 mg BPC-157 + 10 mg TB-500). It is primarily researched for soft-tissue repair, tendon and ligament recovery, inflammation control, and post-injury regeneration. The name refers to the regenerative profile studied for these two peptides used together.

This is not the same product as KLOW Blend (GHK-Cu, BPC-157, TB-500 and KPV) or GLOW (GHK-Cu, BPC-157 and TB-500). Wolverine Stack contains BPC-157 and TB-500 only.

This pre-filled injector pen contains 20 mg of Wolverine Stack dissolved in 3 ml of solution (concentration: **~6.67 mg/ml** total peptides, ~3.33 mg/ml of each peptide). It is supplied for research, investigational, or off-label use under strict medical supervision only. These peptides are not approved for general commercial or routine use. Use only as directed by a qualified healthcare professional.

2. What you need to know before you use Wolverine Stack

Do not use Wolverine Stack if:

- You are allergic to BPC-157, TB-500, thymosin beta-4, benzyl alcohol, or any of the other ingredients.
- You have an active cancer, tumour, or unexplained abnormal cell growth. Both peptides are studied for effects on blood-vessel growth and cell migration.
- You are pregnant, planning pregnancy, or breastfeeding.
- You are under 18 years of age.

Warnings and precautions

Talk to your doctor before using Wolverine Stack if you have:

- A history of cancer, tumours, or abnormal cell growth.
- Kidney or liver problems.
- Bleeding disorders, or you are taking blood thinners, or you have surgery planned.
- Known sensitivity to benzyl alcohol.
- A tendon, ligament, or joint injury being managed by a clinician — tell them you are using a research peptide.

Other medicines and Wolverine Stack

Tell your doctor if you are taking other medications, especially anti-inflammatory drugs, blood thinners, corticosteroids, or other peptides (including GHK-Cu, KPV, or growth-hormone secretagogues).

Pregnancy and breast-feeding

Do not use if pregnant or breast-feeding. Use effective contraception during treatment and for a period after stopping (consult your doctor).

Driving and using machines

Wolverine Stack is unlikely to affect your ability to drive or use machines, but be cautious until you know how it affects you. Dizziness or fatigue can occur when starting.



3. How to use Wolverine Stack

Always use this medicine exactly as your doctor or healthcare provider has told you. Check with them if unsure.

This is a **pre-filled injector pen** containing 20 mg Wolverine Stack in 3 ml solution (~6.67 mg/ml total; ~3.33 mg/ml of each peptide). Administer as a subcutaneous injection (usually once daily).

The pen uses a dial/click mechanism. **Each click delivers 0.01 ml** (standard calibration for most similar pens).

- Total clicks in pen: **300 clicks** (full 3 ml).
- 1 click = **~0.067 mg total peptides (~0.033 mg BPC-157 and ~0.033 mg TB-500).**
- **Every click delivers both peptides in the same 1:1 ratio. You cannot dose one without the other.**

Recommended research dosing (consult your provider):

- Starting / low: 0.67 mg total peptides (0.33 mg of each) · 0.10 ml · 10 clicks
- Standard: 1.00 mg total peptides (0.50 mg of each) · 0.15 ml · 15 clicks
- Enhanced: 1.33 mg total peptides (0.67 mg of each) · 0.20 ml · 20 clicks
- Maximum (daily): 2.00 mg total peptides (1.00 mg of each) · 0.30 ml · 30 clicks
- Most users start with 10–15 clicks daily and titrate on tolerance. 15 clicks is the usual research reference (500 micrograms of each peptide).
- Do not exceed 30 clicks (0.30 ml; 1 mg of each peptide) per day without medical advice.
- Inject at the same time each day. A pen used at 15 clicks daily lasts about 20 days.
- Some research protocols inject near the area under study. Only do this if your provider advises it, and still rotate sites.

How to inject

- Wash your hands. Clean the injection site (abdomen, thigh, or upper arm) with an alcohol swab and let it dry.
- Gently swirl or tilt the pen if needed. Do not shake. Prime the pen on first use (follow pen instructions).
- Dial/click to your prescribed dose (e.g. 15 clicks). Pinch a fold of skin.
- Insert the needle at 45° to 90° (90° is usually best). Slowly push the plunger. Hold for 5–10 seconds, then withdraw at the same angle.
- Press the site with a clean swab if needed. Do not rub. Recap the pen, return it to the refrigerator, and dispose of the needle in a sharps container.
- Rotate injection sites with each use to avoid irritation or lumps.

4. Possible side effects

Most users tolerate Wolverine Stack well, but possible side effects include:

- Injection site reactions (redness, itching, swelling, or mild bruising).
- Mild fatigue, headache, dizziness, or nausea (especially when starting).
- Temporary flushing or a warm sensation at the injection site.

Serious (seek immediate medical help): Allergic reactions (rash, swelling, difficulty breathing), unusual bleeding or bruising, severe abdominal pain, signs of infection at the injection site, or any new lump or unexplained symptom.

Report any side effects to your doctor.

5. How to store Wolverine Stack

- Store the pen in a refrigerator (2–8°C). Do not freeze.
- Protect from light and keep in the original packaging.
- If needed for short travel, it may be kept below 30°C for a limited time — check the pen label. Do not leave it in a hot vehicle.
- Keep out of sight and reach of children. Dispose of used pens and needles in a sharps container, following local rules.
- Do not use after the expiry date, or if the solution appears cloudy, discoloured, or contains particles.
- Write the date of first use on the carton. Discard remaining solution as directed, typically within 28 days of first use unless the label says otherwise.

6. Contents of the pack and other information

What Wolverine Stack contains:

Active substances: BPC-157 10 mg, TB-500 (thymosin beta-4 fragment) 10 mg (total 20 mg) in 3 ml solution.

Ratio: 1:1. Each 0.01 ml click contains about 33 micrograms of BPC-157 and 33 micrograms of TB-500.

Other ingredients: benzyl alcohol (preservative) and excipients as per formulation (refer to the pen label or supplier for the full list).

Pack:

Pre-filled injector pen (multi-dose design, 300 clicks total). This leaflet is hosted online — always use the latest version at the link from your supplier.

This is not a marketed product; supplied for investigational / research use. Last revised October 2026.

Click reference (this pen only)

Fixed at 6.67 mg/ml. Do not copy click counts from KLOW 80 mg / 3 ml (about four times more concentrated). At 15 clicks daily this pen lasts about 20 days.

Clicks (volume): BPC-157 + TB-500 = total
1 click (0.01 ml): 0.033 mg + 0.033 mg = 0.067 mg
10 clicks (0.10 ml): 0.33 mg + 0.33 mg = 0.67 mg
15 clicks (0.15 ml): 0.50 mg + 0.50 mg = 1.00 mg
20 clicks (0.20 ml): 0.67 mg + 0.67 mg = 1.33 mg
30 clicks (0.30 ml): 1.00 mg + 1.00 mg = 2.00 mg

IMPORTANT NOTE

Wolverine Stack is for research / investigational use only and is not approved for routine human use. BPC-157 and TB-500 have been studied mainly in laboratory and animal models. There is no large controlled human trial of the combination, and a blend of two researched peptides is not itself a researched medicine. This leaflet is informational and is not a substitute for professional medical advice. Always consult a healthcare provider before starting, continuing, or adjusting treatment. Regular monitoring is essential. Stay hydrated, follow a balanced diet, and incorporate healthy lifestyle practices. If symptoms persist, worsen, or you experience severe side effects, contact your doctor or seek emergency care immediately.

How this pen differs from related blends

- Wolverine Stack is BPC-157 10 mg + TB-500 10 mg only (20 mg / 3 ml).
- GLOW adds GHK-Cu to those two peptides and is dosed in a higher milligram range because of the copper peptide.
- KLOW Blend is GHK-Cu 50 mg + BPC-157 10 mg + TB-500 10 mg + KPV 10 mg (80 mg / 3 ml, about 26.7 mg/ml). A KLOW click is not a Wolverine click.
- Benzyl alcohol is included as a preservative so the multi-dose pen can be used over more than one day. Do not use in neonates. Discard if the solution is cloudy, coloured, or contains particles.