

sanofi

Trurapi®: The first fast-acting insulin aspart biosimilar of NovoRapid® is available¹



Trurapi® 100 units/ml solution for injection in pre-filled pen



Trurapi[®] is a biosimilar of NovoRapid[®] with a **demonstrated similarity**, used to treat patients with type 1 or type 2 diabetes.*2,3 Offering 1:1 initial unit dosing as no dose conversion is required.

When transferring from other insulin medicinal products, adjustment of the Trurapi® dose and the dose of the basal insulin may be necessary. Trurapi® has a faster onset and a shorter duration of action than soluble human insulin. Close glucose monitoring is recommended during the transfer and in the initial weeks thereafter.¹

Similarity for your patients at a lower NHS list price vs. NovoRapid®4

Trurapi® is a rapid-acting insulin analog for the treatment of diabetes mellitus in adults, adolescents and children aged 1 year and above.1

*Similar PK/PD (pharmacokinetic/pharmacodynamic) profile in type 1 diabetes and similar efficacy, safety and tolerability profile in type 1 diabetes and type 2 diabetes.

References: 1. Trurapi® SmPC. April 2023. 2. KapitzaC, et al. Diabetes TechnolTher. 2020;22(4):278-84. 3. Garg SK, et al. Diabetes TechnolTher. 2020;22(2):85-95. 4. NHS DM+D: REF-161114. Available at: https://services.nhsbsa.nhs.uk/dmd-browser/. Date accessed: April 2023

Prescribing Information: Trurapi®▼(Insulin aspart 100 units/ml)

Please refer to the Summary of Product Characteristics (SmPC) before prescribing.

Presentation: Trurapi 100 units/ml (equivalent Presentation: Indiapi 100 utilis/mit equivalent to 3.5 mg) solution for injection in a vial, each containing 10ml of solution for injection, equivalent to 1000 units. Trurapi 100 units/ml solution for injection in a cartridge or in a pre-filled pen, each containing 3ml of solution for injection, equivalent to 300 units insulin aspart.

Indication: The treatment of diabetes mellitus in adults, adolescents and children aged 1 year and

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Dosage and Administration: Trurapi is a rapidacting insulin analogue, normally used in combination with intermediate-acting or long-acting insulin. Trurapi should not be mixed with any other insulin. The dosage should be determined by the physician in accordance with individual patient needs. Blood glucose monitoring and insulin dose adjustments are recommended to achieve optimal glycaemic control. The individual patient needs. Blood glucose monitoring and insulin dose adjustments are recommended to achieve optimal glycaemic control. The individual insulin requirement in adults and children is usually 0.5–1.0 unit/kg/day. In a basal-bolus treatment regimen 50–70% of this requirement may be provided by Trurapi and the remainder by intermediate-acting or long-acting insulin. Adjustment of dose may be necessary if patients undertake increased physical activity, change their usual diet or during concomitant illness (see Precautions and Warnings). Transfer from other insulin medicinal products, adjustment of the Trurapi and basal insulin dose may be necessary as Trurapi has a faster onset and a shorter duration of action than soluble human insulin. When injected subcutaneously into the abdominal wall, the onset of action will occur within 10–20 minutes of injection. The maximum effect is exerted 1–3 hours after the injection with duration of action of 3–5 hours. Subcutaneous administration: This should be in the upper arms, thighs, buttocks or abdomen and injection sites should always be rotated within the same region in order to reduce the risk of lipodystrophy and cutaneous amyloidosis. Subcutaneous injection in the abdominal wall ensures a faster absorption than other injection sites and faster onset of action for subcutaneous injection in the abdominal wall ensures a faster absorption than other injection sites should be in the upper arms, thighs, butrocks or abdomen and level of physical activity. Due to t **Dosage and Administration:** Trurapi is a rapid-

tubing for the pump. The infusion set (tubing and cannula) should be changed in accordance with the instructions in the product information supplied with the instructions in the product information supplied with the infusion set. An alternative insulin delivery method should be available in case of pump system failure. Intravenous administration (Trurani vials only): This should be carried out by physicians or other healthcare staff following normal clinical practice for intravenous injections. Monitoring of blood glucose is necessary during insulin infusion. Special Populations: Eidenly patients (2 65 years old) and repal/hepatic impairment; Trurapi can be used in elderly patients and patients with renal or hepatic impairment; glucose monitoring should be intensified and dose adjusted on an individual basis. Paediatric population: Turapi can be used in adolescents and children aged 1 year and above in preference to soluble human insulin when a rapid onset of action might be beneficial, for example, in the timing of the injections in relation to meals. The safety and efficacy in children below 1 year of age have not been established.

Contraindications: Hypersensitivity to insulin aspart or to any of the excipients.

Precautions and Warnings: Traceability. The

The safety and efficacy in children below 1 year of age have not been established.

Contraindications: Hypersensitivity to insulin aspart or day of the excipients.

Precautions and Warnings: Traceability. The name and the batch number of the administered product should be clearly recorded to improve the traceability. Intection technique: Patients must be instructed to perform continuous rotation of the injection site to reduce the risk of developing lipodystrophy and cutaneous amyloidosis. There is a potential risk of delayed insulin absorption and worsened glycaemic control following insulin injections at sites with these reactions. A sudden change in the injection site to an unaffected area has been reported to result in hypoglycaemia. Blood glucose monitoring is recommended after the change in the injection site, and dose adjustment of antidiabetic medicinal products may be considered. Hyperglycaemia. Inadequate dosing or discontinuation of treatment, especially in type 1 diabetes, may lead to hyperglycaemia and diabetic ketoacidosis. Usually the first symptoms of hyperglycaemia. Sued bevelop gradually over a period of hours or days. They include thirst, increased frequency of uniation, nausea, ormiting, drowsiness, flushed dry skin, dry mouth, loss of appetite as well as acetone odour of breath. In type 1 diabetes in the programma of hyperglycaemia events eventually lead to diabetic ketoacidosis, which is potentially lethal. Hypoglycaemia. Especially in children, care should be taken to match insulin doses (especially in basalbolus regimens) with food intake, physical activities and current blood glucose level in order to minimise the risk of hypoglycaemia is suspected insulin aspart must not be injected. After stabilisation of patient's blood glucose adjustment of the dose should be considered. Patients whose blood glucose control is greatly improved may experience a change in their usual warning symptoms of hypoglycaemia in aptients with longstanding diabetes, so patients should be advised accordingly. Hy

after an injection when compared with soluble human insulin and since insulin aspart should be administered immediately in relation to a meal, the rapid onset should be considered in patients with concomitant diseases or treatment where a delayed absorption of food might be expected. Concomitant illness usually increases the patients insulin requirements and concomitant diseases in the kidney, liver or affecting the adrenal, pituitary or thyroid gland can require changes in the insulin dose. When patients are transferred between different types of insulin medicinal products, the early warning symptoms of hypoglycaemia may change or become less pronounced than those experienced with their previous insulin. Itansfer from other insulin medicinal products; Should be done under strict medical supervision. If dose adjustment is needed, it may occur with the first dose or during the first few weeks or months. Close glucose monitoring is recommended during the transfer and in the initial weeks thereafter. Injection site reactions (including, lipodystrophy and cutaneous amyloidosis): As with any insulin therapy, injection site reactions may occur and include pain, redness, hives, inflammation, bruising, swelling and tiching. Continuous rotation of the injection site within a given area reduces the risk of developing these reactions and these usually resolve in a few days to a few weeks. Continuous rotation of the injection site also reduces the risk of developing ipodystrophy and cutaneous amyloidosis. Blood glucose monitoring is recommended after the change in the injection site due to risk of hypoglycaemia, and dose adjustment of anticilabetic medications may be considered. On rare occasions, injection site reactions may require discontinuation of insulin aspart. Combination with pioglitazone; Cases of cardiac fallure have been reported when pioglitazone was used in combination with insulin, especially in patients with risk factors for development of cardiac heart failure. Ploglitazone should be discontinued if any de

may mask the symptoms of hypoglycaemia. Alcohol may intensify or reduce the hypoglycaemic effect of insulin.

Pregnancy and Breast-Feeding: Pregnancy it is essential to maintain good control of the insulin-treated (insulindependent or gestational diabetes) patient throughout pregnancy and intensified blood glucose control and monitoring of pregnant women with diabetes are recommended throughout pregnancy and when contemplating pregnancy. Data from two randomised controlled clinical trials do not indicate any adverse reaction of insulin aspart on pregnancy or on the health of the fetus/newborn when compared to human insulin. Breast-feeding: There are no restrictions on reatment with Trurapi during breast-feeding, but the dose may need to be adjusted.

Adverse Reactions: Adverse reactions observed in patients using Trurapi are mainly due to the pharmacologic effect of insulin. Hypoglycaemia is the most frequent adverse reaction and may occur if the insulin dose is too high in relation to the insulin requirement. Uncommon (21/1,000 to <1/100; urticaria, rash, eruptions, refraction disorders, diabetic retinopathy, injection site reactions such as lipodystrophy and oedema that can be reduced by continuous rotation of the injection site. Rage (21/10,000 to <1/10,001): anaphylactic reactions which can potentially be life threatening. Frequency not known: cutaneous amyloidosis. Special populations: The frequency type and severity of adverse reactions observed in the paediatric population, elderly patients and patients with renal or hepatic impairment do not indicate any differences to the broader experience in the general population. Prescribers should consult the SPC in relation to other adverse reactions.

Legal Category: POM Marketing Authorisation (MA) Holder: Sanofi, 410 Thames Valley Park Drive, Reading, Berkshire,

410 Thames Valley Park Drive, recovery Composition of the Manager Strutagi 100 units/ml solution for injection in vial 1 x 10ml: £11.97 — PLGB 0.4425/0.891. Trurapi 100 units/ml solution for injection in cartridge 5 x 3ml: £19.82 — PLGB 0.4425/0.885. Trurapi 100 units/ml solution for injection in pre-filled pen 5 x 3ml: £21.42 — PLGB 0.4425/0.886. Trurapi 100 units/ml solution for injection in pre-filled pen 5 x 3ml: £21.42 — PLGB 0.4425/0.886.

Further information is available from: Medica Information, Sanofi, 410 Thames Valley Park Drive, Reading, Berkshire, RG6 1PT, UK. uk-medicalinformation@sanofi.com.

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Adverse events should be reported Reporting forms and information can be found at www.mhra.gov.uk/yellowcard or search for MHRA Yellow Card in the search for mi-KA Yellow Card in the Google Play or Apple App Store. Adverse events should also be reported to Sanofi Tel: 0800 090 2314. Alternatively, send via email to UK-drugsafety@sanofi.com