

R Deferasirox Tablets 180 mg & 360 mg

Ferasiro

फेरासिरो

To be sold on the prescription of medical specialist



PRESCRIBING INFORMATION

WARNING: RENAL FAILURE, HEPATIC FAILURE, AND GASTROINTESTINAL HEMORRHAGE

Renal Failure

- Deferasirox can cause renal failure and death, particularly in patients with comorbidities and those who are in the advanced stages of their hematologic disorders.
- Evaluate baseline renal function prior to initiating Deferasirox doses in all patients. Deferasirox is contraindicated in adult and pediatric patients with eGFR less than or equal to 60 mL/min/1.73 m². Measure serum creatinine to monitor renal function at least monthly. For patients with baseline renal impairment or increased risk of acute renal failure, monitor renal function weekly for the first month, then at least monthly. Reduce the starting dose in patients with preexisting renal disease. During therapy, increase the frequency of monitoring and modify the dose for patients with an increased risk of renal impairment, including use of concomitant nephrotoxic drugs, and pediatric patients with volume depletion or overhydration.

Hepatic Failure

- Deferasirox can cause hepatic injury including hepatic failure and death.

Measure serum transaminases and bilirubin in all patients prior to initiating treatment, every 2 weeks during the first month, and at least monthly thereafter.

Avoid use of Deferasirox in patients with severe (Child-Pugh C) hepatic impairment and reduce the dose in patients with moderate (Child-Pugh B) hepatic impairment.

Gastrointestinal Hemorrhage

- Deferasirox can cause gastrointestinal (GI) hemorrhages, which may be fatal, especially in elderly patients who have advanced hematologic malignancies and/or low platelet counts.

• Monitor patients and discontinue Deferasirox for suspected GI ulceration or hemorrhage.

1. GENERAL NAME

Deferasirox film coated tablets: 180 mg and 360 mg

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Deferasirox film coated tablets 180 mg:

Each tablet contains:

Deferasirox.....180 mg

Deferasirox film coated tablets 360 mg:

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Deferasirox.....360 mg

3. DOSAGE AND STRENGTH

Deferasirox film coated tablets 180 mg and 360 mg

4. CLINICAL PARTICULARS

4.1 Therapeutic Indication

- Indicated for the treatment of chronic iron overload due to blood transfusions (Transfusional haemosiderosis) in adult and paediatric patients (aged 2 years and above)
- For the treatment of chronic iron overload in patients with non-transfusion dependent thalassemia (NTDT) syndromes aged 10 years and older.

4.2 Posology and Method of Administration

Transfusional Iron Overload may be administered:

Deferasirox should only be considered when a patient has evidence of chronic transfusional iron overload. The evidence should include the transfusion of at least 100 mL/kg of packed red blood cells (e.g., at least 20 units of packed red blood cells for a 40 kg person or more in individuals weighing more than 40 kg), and a serum ferritin consistently greater than 1,000 mcg/L. Prior to starting therapy, or increasing doses, evaluate:

- Serum ferritin level
- Baseline renal function
- Other serum creatinine in duplicate (due to variations in measurements).

Calculate the estimated glomerular filtration rate (eGFR). Use a prediction equation appropriate for adult patients (e.g., CKD-EPI, MDRD method) and in pediatric patients (e.g., Schwartz equations).

• Obtain urinalyses and serum electrolytes to evaluate renal tubular function.

• Serum transaminases and bilirubin

• Baseline auditory and ophthalmic examinations

Initiating Therapy:

The recommended initial dose of Deferasirox for patients 2 years of age and older with eGFR greater than 60 mL/min/1.73 m² is 14 mg per kg body weight orally, once daily. Calculate doses (mg per kg per day) to the nearest whole tablet or nearest whole sachet content for granules. Changes in weight of pediatric patients over time must be taken into account when calculating the dose.

During Therapy:

- Monitor serum ferritin monthly and adjust the dose of Deferasirox, if necessary, every 3 to 6 months based on serum ferritin trends.

• Use the minimum effective dose to achieve a trend of decreasing ferritin.

• Make dose adjustments in steps of 3.5 or 7 mg per kg and tailor adjustments to the individual patient's response and therapeutic goals.

• In patients not adequately controlled with doses of 21 mg per kg (e.g., serum ferritin levels persistently above 2,500 mcg/L and not showing a decreasing trend over time), doses of up to 28 mg per kg may be considered. Doses above 28 mg per kg are not recommended.

• Adjust dose based on serum ferritin levels.

• If the serum ferritin is below 600 mcg/L, increase the dose of Deferasirox to minimize the risk of overexcretion, and continue monthly monitoring.

• Evaluate the need for ongoing chelation therapy for patients whose conditions no longer require regular blood transfusions.

• Use the minimum effective dose to maintain ferritin within the target range.

• Monitor blood counts, liver function, renal function and ferritin monthly.

• Interrupt Deferasirox for pediatric patients who have acute illnesses, which can cause volume depletion, such as vomiting, diarrhea, or prolonged decreased oral intake, and monitor more frequently. Resume therapy as appropriate, based on assessments of renal function, when oral intake and volume status are normal.

• Increase monitoring frequency for pediatric patients who have acute illness, which can cause volume depletion, such as vomiting, diarrhea, or prolonged decreased oral intake. Consider dose interruption until oral intake and volume status are normal.

Restart treatment when the LIC rises again to more than 5 mg Fe/dw.

Administration:

Swallow Deferasirox tablets once daily with water or other liquids, preferably at the same time each day. Take Deferasirox tablets on an empty stomach or with a light meal (contains less than 7% fat content and approximately 250 calories). Examples of light meals include 1 whole wheat English muffin, 1 packet jelly (0.5 ounces), and skim milk (8 fluid ounces) or a turkey sandwich (2 oz, turkey on whole wheat w/ lettuce, tomato, and 1 packet mustard). Do not take Deferasirox tablets with aluminum-containing antacid products. For patients who have difficulty swallowing whole tablets, Deferasirox tablets may be crushed and mixed with soft foods (e.g., yogurt or applesauce) immediately prior to use and administered orally. Commercial crushers with serrated surfaces should be avoided to single crush the tablet. The dose should be immediately and completely consumed and not stored for future use.

Take Deferasirox Sprinkle granules on an empty stomach or with a light meal (e.g., yogurt or applesauce) immediately prior to use and administered orally. Deferasirox Sprinkle granules with aluminum-containing antacid products.

For patients who are currently on chelation therapy with Deferasirox tablets, the dose should be about 30% lower, rounded to the nearest whole tablet or nearest whole sachet content for granules. The table below provides additional information on dosing conversion to Deferasirox.

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Deferasirox Tablets for oral suspension	Deferasirox film coated Tablets
Transfusion-Dependent Iron Overload	
Starting Dose	20 mg/kg/day
Titration Increments	5–10 mg/kg
Maximum Dose	40 mg/kg/day
Non-Transfusion-Dependent Thalassemia Syndromes	
Starting Dose	10 mg/kg/day
Titration Increments	5–10 mg/kg
Maximum Dose	20 mg/kg/day

Use in Patients with Baseline Hepatic or Renal Impairment

Patients with Baseline Hepatic Impairment

Mid (Child-Pugh A) Hepatic Impairment: No dose adjustment is necessary.

Moderate (Child-Pugh B) Hepatic Impairment: Reduce the starting dose by 50%.

Severe (Child-Pugh C) Hepatic Impairment: Avoid Deferasirox tablets.

Patients with Baseline Renal Impairment

No use in patients with renal impairment (eGFR less than 40 mL/min/1.73 m²).

For patients with renal impairment (eGFR 40–60 mL/min/1.73 m²), reduce the starting dose by 50%.

Exercise caution in pediatric patients with eGFR between 40 and 60 mL/min/1.73 m². If treatment is needed, use the minimum effective dose and monitor renal function frequently. Individualize dose titration on improvement in renal injury.

Monitors for Decreases in Renal Function While on Deferasirox:

Deferasirox is contraindicated in patients with eGFR less than 40 mL/min/1.73 m².

For decreases in renal function while receiving Deferasirox, modify the dose as follows:

Transfusional Iron Overload

If the serum creatinine increases by 33% or more above the average baseline measurement, repeat the serum creatinine within 1 week, and if still elevated by 33% or more, reduce the dose by 7 mg per kg.

Pediatric Patients (ages 2 years–17 years):

- Reduce the dose by 7 mg per kg if eGFR decreases by greater than 33% below the average baseline measurement and repeat eGFR within 1 week.

• Introduce therapy for acute illnesses, which can cause volume depletion, such as vomiting.

• Dose reduction or discontinuation of therapy and monitor more frequently. Resume therapy as appropriate, based on assessments of renal function, when oral intake and volume status are normal.

• Avoid use of other nephrotoxic drugs.

• In the setting of decreased renal function, evaluate the risk benefit profile of continued Deferasirox use. Use the minimum effective Deferasirox dose and monitor renal function more frequently, by evaluating tubular and glomerular function. Titrate dose based on renal injury. Consider dose reduction or interruption and less nephrotoxic therapies until improvement of renal function if signs of renal tubular or glomerular injury occur in the presence of other risk factors such as volume depletion, reduce or interrupt Deferasirox to prevent severe and irreversible renal injury.

All patients regardless of age:

• Discontinue therapy for eGFR less than 40 mL/min/1.73 m².

• If the serum creatinine is 3.5 mg per kg or, if reduced by 50%, the dose is 7 mg per kg.

Pediatric Patients (ages 10 years–17 years):

- Reduce the dose by 3.5 mg per kg if eGFR decreases by greater than 33% below the average baseline measurement and repeat eGFR within 1 week.

• Increase dose by 3.5 mg per kg for pediatric patients who have acute illnesses, which can cause volume depletion, such as vomiting, diarrhea, or prolonged decreased oral intake. Consider dose interruption until oral intake and volume status are normal. Avoid use of other nephrotoxic drugs.

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