

FRONT SIDE

6.7.16

350x520mm (36x35mm)

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HIGHLIGHTS OF PRESCRIBING INFORMATION

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

DEFERIPRONE tablets, for oral use Initial U.S. Approval: 2011

WARNING: AGRANULOCYTOSIS AND NEUTROPENIA See full prescribing information for complete boxed warning.

- Deferiprone can cause agranulocytosis that can lead to serious infections and death. Neutropenia may precede the development of agranulocytosis. (5.1) Measure the absolute neutrophil count (ANC) before starting deferiprone and monitor regularly while on therapy. (5.1) Interrupt deferiprone therapy if neutropenia develops. (5.1) Interrupt deferiprone if infection develops and monitor the ANC more frequently. (5.1) Advise patients taking deferiprone to report immediately any symptoms indicative of infection. (5.1)

INDICATIONS AND USAGE

Deferiprone tablets are an iron chelator indicated for the treatment of transfusional iron overload in adult patients with thalassemia syndromes when current chelation therapy is inadequate. (1)

Limitations of Use

Safety and effectiveness have not been established for the treatment of transfusional iron overload in patients with myelodysplastic syndrome or in patients with Diamond Blackfan anemia.

DOSAGE AND ADMINISTRATION

- Deferiprone tablets are available in two formulations. A 1,000 mg formulation and a 500 mg formulation, which have different dosing regimens to achieve the same total daily dosage. (2.1) To prevent medication errors, before prescribing and dispensing, ensure that the tablet formulation is appropriate for the dosing regimen. Each tablet has distinct identifying characteristics. (2.1, 3) Deferiprone tablets (three times a day), 1,000 mg: Starting oral dosage: 75 mg/kg/day (actual body weight) in three divided doses (2.3) Maximum oral dosage: 99 mg/kg/day (actual body weight) in three divided doses (2.4) Deferiprone tablets (three times a day), 500 mg: Starting oral dosage: 75 mg/kg/day (actual body weight) in three divided doses (2.4) Maximum oral dosage: 99 mg/kg/day (actual body weight) in three divided doses (2.4)

FULL PRESCRIBING INFORMATION: CONTENTS

WARNING: AGRANULOCYTOSIS AND NEUTROPENIA

- 1 INDICATIONS AND USAGE
2 DOSAGE AND ADMINISTRATION
2.1 Important Dosage and Administration Information
2.3 Recommended Dosage for 1,000 mg Deferiprone Tablets (three times a day) for Adult Patients with Transfusional Iron Overload due to Thalassemia Syndromes
2.4 Recommended Dosage for 500 mg Deferiprone Tablets (three times a day) for Adult Patients with Transfusional Iron Overload due to Thalassemia Syndromes
2.5 Monitoring Ferritin Levels to Assess Efficacy
2.6 Dosage Modification for Drug Interactions
3 DOSAGE FORMS AND STRENGTHS
4 CONTRAINDICATIONS
5 WARNINGS AND PRECAUTIONS
5.1 Agranulocytosis and Neutropenia
5.2 Liver Enzyme Elevations
5.3 Zinc Deficiency
5.4 Embryo-Fetal Toxicity
6 ADVERSE REACTIONS
6.1 Clinical Trial Experience
6.2 Postmarketing Experience
7 DRUG INTERACTIONS
7.1 Drugs Associated with Neutropenia or Agranulocytosis
7.2 Effect of Other Drugs on Deferiprone

DOSAGE FORMS AND STRENGTHS

- Tablets (three times a day): 1,000 mg with functional scoring (3)
Tablets (three times a day): 500 mg with functional scoring (3)

CONTRAINDICATIONS

Hypersensitivity to deferiprone or to any of the excipients in the formulations. (4)

WARNINGS AND PRECAUTIONS

- Liver Enzyme Elevations: Monitor monthly and discontinue for persistent elevations. (5.2)
Zinc Deficiency: Monitor during therapy and supplement for deficiency. (5.3)
Embryo-Fetal Toxicity: Can cause fetal harm. (5.4)

ADVERSE REACTIONS

The most common adverse reactions in patients with thalassemia (incidence ≥ 6%) are nausea, vomiting, abdominal pain, arthralgia, ALT increased and neutropenia. (5.1, 6)

To report SUSPECTED ADVERSE REACTIONS, contact Taro Pharmaceuticals U.S.A., Inc. at 1-866-923-4914 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch

DRUG INTERACTIONS

- Drugs Associated with Neutropenia or Agranulocytosis: Avoid co-administration. If co-administration is unavoidable, closely monitor the absolute neutrophil count. (7.1)
UGT1A6 Inhibitors: Avoid co-administration. (7.2)
Polyvalent Cations: Allow at least a 4-hour interval between administration of deferiprone and drugs or supplements containing polyvalent cations (e.g., iron, aluminum, or zinc). (2.6, 7.2)

USE IN SPECIFIC POPULATIONS

Lactation: Advise not to breastfeed. (8.2)

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

Pediatric use information is approved for Chiesi USA, Inc.'s FERRIPROX® (deferiprone) tablets. However, due to Chiesi USA, Inc.'s marketing exclusivity rights, this drug product is not labeled with that information.

Revised: 1/2024

FULL PRESCRIBING INFORMATION

WARNING: AGRANULOCYTOSIS AND NEUTROPENIA

- Deferiprone can cause agranulocytosis that can lead to serious infections and death. Neutropenia may precede the development of agranulocytosis. (See Warnings and Precautions (5.1))
Measure the absolute neutrophil count (ANC) before starting deferiprone therapy and monitor regularly while on therapy.
Interrupt deferiprone therapy if neutropenia develops. (See Warnings and Precautions (5.1))
Interrupt deferiprone if infection develops, and monitor the ANC more frequently. (See Warnings and Precautions (5.1))
Advise patients taking deferiprone to report immediately any symptoms indicative of infection. (5.1)

INDICATIONS AND USAGE

Deferiprone tablets are indicated for the treatment of transfusional iron overload in adult patients with thalassemia syndromes when current chelation therapy is inadequate.
Limitations of Use
Safety and effectiveness have not been established for the treatment of transfusional iron overload in patients with myelodysplastic syndrome or in patients with Diamond Blackfan anemia.
Pediatric use information is approved for Chiesi USA, Inc.'s FERRIPROX® (deferiprone) tablets. However, due to Chiesi USA, Inc.'s marketing exclusivity rights, this drug product is not labeled with that information.

DOSAGE AND ADMINISTRATION

- 2.1 Important Dosage and Administration Information
Deferiprone tablets are available in a 1,000 mg formulation and a 500 mg formulation, which have different oral dosing regimens to achieve the same total daily dosage.
Deferiprone tablets (three times a day) - 1,000 mg - given three times a day (see Dosage and Administration (2.3))
Deferiprone tablets - 500 mg - given three times a day (see Dosage and Administration (2.4))
To prevent medication errors, before prescribing and dispensing, ensure that the tablet formulation is appropriate for the dosing regimen. Each tablet has distinct identifying characteristics (see Dosage Forms and Strengths (3)).
After one year of therapy: Monitor ANC every two to four weeks (or at the patient's blood transfusion interval) in patients that have not experienced an interruption due to any decrease in ANC (see Warnings and Precautions (5.1)).
Due to the risk of hepatic transaminase elevations, monitor ALT before and monthly during deferiprone therapy (see Warnings and Precautions (5.2)).
Due to the risk of zinc deficiency, monitor zinc levels before and regularly during deferiprone therapy (see Warnings and Precautions (5.3)).
2.3 Recommended Dosage for 1,000 mg Deferiprone Tablets (three times a day) for Adult Patients with Transfusional Iron Overload due to Thalassemia Syndromes
Starting Dosage for Three Times a Day Tablets
The recommended starting oral dosage of deferiprone tablets (three times a day) is 75 mg/kg/day (actual body weight), in three divided doses per day. Table 3 describes the number of deferiprone tablets (three times a day) needed to achieve the 75 mg/kg/day total starting dosage. Round dose to the nearest 500 mg (half-tablet).
Table 3: Number of Deferiprone 1,000 mg Tablets (three times a day) Needed to Achieve the Total Starting Daily Dosage of 75 mg/kg (rounded to the nearest half-tablet)

Table 3: Number of Deferiprone 1,000 mg Tablets (three times a day) Needed to Achieve the Total Starting Daily Dosage of 75 mg/kg (rounded to the nearest half-tablet)

To minimize gastrointestinal upset when first starting therapy, dosing can start at 45 mg/kg/day and increase weekly by 15 mg/kg/day increments until the full prescribed dose is achieved.
Dosage Adjustments for Three Times Daily Tablets
Tailor dosage adjustments for deferiprone tablets (three times a day) to the individual patient's response and therapeutic goals (maintenance or reduction of body iron burden). The maximum oral dosage is 99 mg/kg/day (actual body weight), in three divided doses per day. Table 4 describes the number of deferiprone tablets (three times a day) needed to achieve the 99 mg/kg/day total maximum daily dosage.

Table 4: Number of Deferiprone 1,000 mg Tablets (three times a day) Needed to Achieve the Maximum Total Daily Dosage of 99 mg/kg (rounded to the nearest half-tablet)

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2.4 Recommended Dosage for 500 mg Deferiprone Tablets (three times a day) for Adult Patients with Transfusional Iron Overload due to Thalassemia Syndromes
Starting Dosage for Three Times a Day Tablets
The recommended starting oral dosage of deferiprone tablets (three times a day) is 75 mg/kg/day (actual body weight), in three divided doses per day. Table 5 describes the number of deferiprone tablets (three times a day) needed to achieve the 75 mg/kg/day total starting dosage. Round dose to the nearest 250 mg (half-tablet).

Table 5: Number of Deferiprone 500 mg Tablets (three times a day) Needed to Achieve the Total Starting Daily Dosage of 75 mg/kg (rounded to the nearest half-tablet)

To minimize gastrointestinal upset when first starting therapy, dosing can start at 45 mg/kg/day and increase weekly by 15 mg/kg/day increments until the full prescribed dose is achieved.

Dosage Adjustments
Tailor dosage adjustments for deferiprone tablets (three times a day) to the individual patient's response and therapeutic goals (maintenance or reduction of body iron burden). The maximum oral dosage is 99 mg/kg/day (actual body weight), in three divided doses per day. Table 6 describes the number of deferiprone tablets (three times a day) needed to achieve the 99 mg/kg/day total maximum daily dosage.

Table 6: Number of Deferiprone 500 mg Tablets (three times a day) Needed to Achieve the Maximum Total Daily Dosage of 99 mg/kg (rounded to the nearest half-tablet)

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Pediatric use information is approved for Chiesi USA, Inc.'s FERRIPROX® (deferiprone) tablets. However, due to Chiesi USA, Inc.'s marketing exclusivity rights, this drug product is not labeled with that information.

2.5 Monitoring Ferritin Levels to Assess Efficacy

Ferritin concentration can occur with deferiprone use. Deferiprone can also cause neutropenia, which may foreshadow agranulocytosis. Measure the absolute neutrophil count (ANC) before starting deferiprone therapy and monitor it regularly while on therapy (see Dosage and Administration (2.1)).

2.6 Dosage Modification for Drug Interactions
Do not resume deferiprone in patients who have developed agranulocytosis unless potential benefits outweigh potential risks. Do not challenge patients who have developed neutropenia with deferiprone unless potential benefits outweigh potential risks.

3 DOSAGE FORMS AND STRENGTHS

- Tablets (three times a day): 1,000 mg are white, film-coated, oval shaped tablets; imprinted with "T" score "1 K" on one side and plain on the other side.
Tablets 500 mg are white to pinkish-white, capsule-shaped tablets; scored on one side, engraved "T" on the left of the score line and "5" on the right and plain on the other side.

4 CONTRAINDICATIONS

Deferiprone is contraindicated in patients with known hypersensitivity to deferiprone or to any of the excipients in the formulations. The following reactions have been reported in association with the administration of deferiprone: Henoch-Schönlein purpura; urticaria; and periorbital edema with skin rash (see Adverse Reactions (6.2)).

5 WARNINGS AND PRECAUTIONS

- 5.1 Agranulocytosis and Neutropenia
Fatal agranulocytosis can occur with deferiprone use. Deferiprone can also cause neutropenia, which may foreshadow agranulocytosis. Measure the absolute neutrophil count (ANC) before starting deferiprone therapy and monitor it regularly while on therapy (see Dosage and Administration (2.1)).
Reduction in the frequency of ANC monitoring should be considered on an individual patient basis, according to the health care provider's assessment of the patient's understanding of the risk minimization measures required during therapy.
Interrupt deferiprone therapy if neutropenia develops (ANC < 1.5 x 10^9/L).
Interrupt deferiprone if infection develops and monitor the ANC frequently.
Advise patients taking deferiprone to immediately interrupt therapy and report to their physician if they experience any symptoms indicative of infection.
The incidence of agranulocytosis was 1.7% of patients in pooled clinical trials of 642 patients with thalassemia syndromes. The mechanism of deferiprone-associated agranulocytosis is unknown. Agranulocytosis and neutropenia usually resolve upon discontinuation of deferiprone, but there have been reports of agranulocytosis leading to death.
Implement a plan to monitor for and to manage agranulocytosis and neutropenia prior to initiating deferiprone treatment.
For agranulocytosis (ANC < 0.5 x 10^9/L):
Consider hospitalization and other management as clinically appropriate.
Do not resume deferiprone in patients who have developed agranulocytosis unless potential benefits outweigh potential risks.
For neutropenia (ANC < 1.5 x 10^9/L and > 0.5 x 10^9/L):
Instruct the patient to immediately discontinue deferiprone and all other medications with a potential to cause neutropenia.
Obtain a complete blood cell (CBC) count, including a white blood cell (WBC) count corrected for the presence of nucleated red blood cells, an absolute neutrophil count (ANC), and a platelet count daily until recovery (ANC ≥ 1.5 x 10^9/L).

- 5.2 Liver Enzyme Elevations
In pooled clinical trials, 7.5% of 642 patients with thalassemia syndromes treated with deferiprone developed increased ALT values. Four (0.6%) deferiprone-treated subjects discontinued the drug due to increased serum ALT levels and 1 (0.16%) due to an increase in both ALT and AST.
Monitor serum ALT values monthly during therapy with deferiprone and consider interruption of therapy if there is a persistent increase in the serum transaminase levels (see Dosage and Administration (2.1)).
Decreased plasma zinc concentrations have been observed on deferiprone therapy. Monitor plasma zinc annually and supplement in the event of a deficiency (see Dosage and Administration (2.1)).

- 5.3 Zinc Deficiency
Based on findings from animal reproduction studies and evidence of genotoxicity, deferiprone can cause fetal harm when administered to a pregnant woman. The available data on the use of deferiprone in pregnant women are insufficient to inform risk. In animal studies, administration of deferiprone during the period of organogenesis resulted in embryo-fetal death and malformations at doses lower than equivalent human clinical doses. Advise pregnant women and females of reproductive potential of the potential risk to the fetus (see Use in Specific Populations (8.1)).
Advise females of reproductive potential to use an effective method of contraception during treatment with deferiprone and for at least six months after the last dose. Advise males with female partners of reproductive potential to use effective contraception during treatment with deferiprone and for at least three months after the last dose (see Use in Specific Populations (8.1, 8.3)).

6 ADVERSE REACTIONS

- The following clinically significant adverse reactions are described below and elsewhere in the labeling:
Agranulocytosis and Neutropenia (see Warnings and Precautions (5.1))
Liver Enzyme Elevations (see Warnings and Precautions (5.2))
Zinc Deficiency (see Warnings and Precautions (5.3))
6.1 Clinical Trial Experience
Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.
The following adverse reaction information represents the pooled data collected from single arm or active-controlled clinical trials with deferiprone tablets (three times a day).
Thalassemia Syndromes
The safety of deferiprone was evaluated in the pooled clinical trial database (see Clinical Studies (14.1)). Patients received deferiprone tablets (three times a day). Deferiprone was administered orally three times a day (total daily dose either 50, 75, or 99 mg/kg, N=642). Among 642 patients receiving deferiprone, 82 (12.6%) were exposed for 6 months or longer and 365 (56.9%) were exposed for greater than one year. The median age of patients who received deferiprone was 19 years (range 1, 77 years); 50.2% female; 71.2% White, 17.8% Asian, 9.2% Unknown, 1.2% Multi-racial and 0.6% Black.
The most serious adverse reaction reported in clinical trials with deferiprone was agranulocytosis (see Warnings and Precautions (5.1)).
The most common adverse reactions (≥ 6%) reported during clinical trials were nausea, vomiting, abdominal pain, arthralgia, alanine aminotransferase increased and neutropenia.
The table below lists the adverse drug reactions that occurred in at least 1% of patients treated with deferiprone in clinical trials in patients with thalassemia syndromes.

Table 7: Adverse reactions occurring in ≥ 1% of deferiprone-treated patients with thalassemia syndromes

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Gastrointestinal symptoms such as nausea, vomiting, and abdominal pain were the most frequent adverse reactions reported by patients participating in clinical trials and led to the discontinuation of deferiprone therapy in 1.6% of patients. Chromaturia (reddish/brown discoloration of the urine) is a result of the excretion of iron in the urine.
6.2 Postmarketing Experience
The following additional adverse reactions have been reported in patients receiving deferiprone. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or to establish a causal relationship to drug exposure.

- Blood and lymphatic system disorders: thrombocytosis, pancytopenia.
Cardiac disorders: atrial fibrillation, cardiac failure.
Congenital, familial and genetic disorders: hypoplasias.
Eye disorders: diplopia, papilledema, retinal toxicity.
Gastrointestinal disorders: enterocolitis, rectal hemorrhage, gastric ulcer, pancreatitis, parotid gland enlargement.
General disorders and administration site conditions: chills, edema peripheral, multi-organ failure.
Hepatobiliary disorders: jaundice, hepatomegaly.
Immune system disorders: anaphylactic shock, hypersensitivity.
Infections and infestations: cryptococcal cutaneous infection, enteroviral encephalitis, pharyngitis, pneumonia, sepsis, furuncle, infectious hepatitis, rash pustular, subcutaneous abscess.
Investigations: blood bilirubin increased, blood creatinine phosphokinase increased.
Metabolism and nutrition disorders: metabolic acidosis, dehydration.
Musculoskeletal and connective tissue disorders: myositis, chondroplasty, trismus.
Nervous system disorders: cerebellar syndrome, cerebral hemorrhage, convulsion, gait disturbance, intracranial pressure increased, psychomotor skills impaired, pyramidal tract syndrome, somnolence.
Psychiatric disorders: bruism, depression, obsessive-compulsive disorder.
Renal disorders: glycosuria, hemoglobinuria.
Respiratory, thoracic and mediastinal disorders: acute respiratory distress syndrome, epistaxis, hemoptysis, pulmonary embolism.
Skin, subcutaneous tissue disorders: hyperhidrosis, periorbital edema, photosensitivity reaction, pruritis, urticaria, rash, Henoch-Schönlein purpura.
Vascular disorders: hypotension, hypertension.

7 DRUG INTERACTIONS

- 7.1 Drugs Associated with Neutropenia or Agranulocytosis
Avoid co-administration of deferiprone with other drugs known to be associated with neutropenia or agranulocytosis. If co-administration is unavoidable, closely monitor the absolute neutrophil count (see Warnings and Precautions (5.1)).
7.2 Effect of Other Drugs on Deferiprone
UDP-glucuronosyltransferases (UGT)
Avoid use of UGT1A6 inhibitors (e.g., ticlidine, probenecid, or silymarin (milk thistle)) with deferiprone (see Dosage and Administration (2), Adverse Reactions (6.1), Clinical Pharmacology (12.3)).
Polyvalent Cations
Deferiprone has the potential to bind polyvalent cations (e.g., iron, aluminum, and zinc); allow at least a 4-hour interval between deferiprone and other medications (e.g., antacids), or supplements containing these polyvalent cations (see Dosage and Administration (2.6)).

8 USE IN SPECIFIC POPULATIONS

- 8.1 Pregnancy
Risk Summary
In animal reproduction studies, oral administration of deferiprone to pregnant rats and rabbits during organogenesis at doses 33% and 49%, respectively, of the maximum recommended human dose (MRHD) resulted in structural abnormalities, embryo-fetal mortality and alterations to growth (see Data). The limited available data from deferiprone use in pregnant women are insufficient to inform a drug-associated risk of major birth defects and miscarriage. Based on evidence and developmental toxicity in animal studies, deferiprone can cause fetal harm when administered to a pregnant woman. Advise pregnant women and females of reproductive potential of the potential risk to a fetus.
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 is 2 to 4% and 15 to 20%, respectively.
Data
Human Data
Post-marketing data available from 39 pregnancies of deferiprone-treated patients and 10 pregnancies of partners of deferiprone-treated patients are as follows:
Of the 39 pregnancies in deferiprone-treated patients, 23 resulted in healthy newborns, 6 ended in spontaneous abortion, 9 had unknown outcomes, and 1 infant was born with anal stress, nephrotosis, ventricular septal defect, hemivertebrae and urethral fistula.

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BACK SIDE

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Of the 10 pregnancies in partners of deferiprone-treated patients, 5 resulted in healthy newborns, 1 resulted in a healthy newborn with slight hypoplasia, 1 was electively terminated, 1 resulted in the intrauterine death of twins, and 2 had unknown outcomes.

Animal Data
During organogenesis, pregnant rats and rabbits received deferiprone at oral doses of 0, 30, 80 or 200 mg/kg/day, and 0, 10, 50, or 150 mg/kg/day, respectively. The daily dose was administered as two equal divided doses approximately 7 hours apart. Doses of 200 mg/kg/day in rats and 150 mg/kg/day in rabbits, approximately 33% and 49% of the MRRD, respectively, resulted in increased post-implantation loss and reduced fetal weights in the presence of maternal toxicity (reduced maternal body weight and body weight gain in both rats and rabbits; abnormal large placentas at low incidence in rats). The 200 mg/kg/day dose in rats resulted in external, visceral and skeletal fetal malformations such as cranial malformations, cleft palate, limb malrotation, anal atresia, internal hydrocephaly, anophthalmia and fused bones. The dose of 150 mg/kg/day in rabbits resulted in external fetal malformations (partially opened eyes) and minor blood vessel and skeletal variations.

In rats, malformations including micrognathia and persistent ductus arteriosus could be observed in the absence of maternal toxicity at doses equal to or greater than 30 and 80 mg/kg/day, approximately 5% and 13% of the MRRD, respectively.

8.2 Lactation
Risk Summary
There is no information regarding the presence of deferiprone in human milk, the effects on the breastfed child, or the effects on milk production.

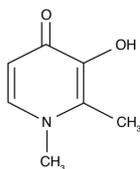
8.3 Females and Males of Reproductive Potential
Pregnancy Testing
Pregnancy testing is recommended for females of reproductive potential prior to initiating deferiprone.

8.4 Pediatric Use
Safety and effectiveness of deferiprone tablets have not been established in pediatric patients with chronic iron overload due to blood transfusions who are less than 8 years of age.

8.5 Geriatric Use
Clinical studies of deferiprone did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients.

10 OVERDOSAGE
No cases of acute overdose have been reported. There is no specific antidote to deferiprone overdose.

11 DESCRIPTION
Deferiprone Tablets contain 1,000 mg or 500 mg deferiprone (3-hydroxy-1,2-dimethylpyridin-4-one), a synthetic, orally active, iron-chelating agent. The molecular formula for deferiprone is C14H18NO, and its molecular weight is 139.15 g/mol. Deferiprone has the following structural formula:



Deferiprone is a white to pinkish-white powder. It is sparingly soluble in deionized water (14.3 mg/mL) and has a melting point range of 272°C to 278°C.
Deferiprone Tablets (three times a day), 1,000 mg
White, film-coated, oval shaped tablets, imprinted with "T" score "1 K" on one side and plain on the other. The tablets can be broken in half along the score line. Each tablet contains 1,000 mg deferiprone and the following inactive ingredients: Tablet core - croscopolone, magnesium stearate and methylcellulose. Coating - copovidone, hypromellose, medium chain triglycerides, polydextrose, polyethylene glycol and titanium dioxide.

12 CLINICAL PHARMACOLOGY
12.1 Mechanism of Action
Deferiprone is a chelating agent with an affinity for ferric ions (iron III). Deferiprone binds with ferric ions to form neutral 3:1 (deferiprone:iron) complexes that are stable at physiological pH.

12.2 Pharmacokinetics
Deferiprone Tablets (three times a day), 1,000 mg and 500 mg
The mean Cmax and AUC of deferiprone was 20 mcg/mL and 50 mcg h/mL, respectively, in healthy subjects. The dose proportionality of deferiprone over the approved recommended dosage range is unknown.

12.3 Pharmacokinetics
Deferiprone Tablets (three times a day), 1,000 mg and 500 mg
The mean Cmax and AUC of deferiprone was 20 mcg/mL and 50 mcg h/mL, respectively, in healthy subjects. The dose proportionality of deferiprone over the approved recommended dosage range is unknown.

Specific Populations
No clinically significant differences in the pharmacokinetics of deferiprone were observed based on sex, race/ethnicity, body weight, mild to severe (eGFR 15 to 89 mL/min/1.73 m²) renal impairment, or mild (Child Pugh Class A) to moderate (Child Pugh Class B) hepatic impairment. The effect of age, including geriatric

or pediatric populations, and stage renal disease or severe (Child Pugh Class C) hepatic impairment on the pharmacokinetics of deferiprone is unknown.

Drug Interaction Studies
In Vitro Studies
UGT1A6 Inhibitors: Phenybutazone (UGT1A6 inhibitor) decreased glucuronidation of deferiprone by up to 78%. Polyvalent Cations: Deferiprone has the potential to bind polyvalent cations (e.g., iron, aluminum, and zinc).

13 NONCLINICAL TOXICOLOGY
13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
Carcinogenicity studies have not been conducted with deferiprone. However, in view of the genotoxicity results, and the findings of mammary gland hyperplasia and mammary gland tumors in rats treated with deferiprone in the 52-week toxicology study, tumor formation in carcinogenicity studies must be regarded as likely.

14 CLINICAL STUDIES
The following information is based on studies with deferiprone tablets (three times a day).
14.1 Transferrin Iron Overload in Patients with Thalassemia Syndromes
In a prospective, placebo-controlled analysis of patients with thalassemia syndromes from several studies, the efficacy of deferiprone was assessed in transfusion-dependent iron overloaded patients in whom previous iron chelation therapy had failed or was considered inadequate due to poor tolerance.

16 HOW SUPPLIED/STORAGE AND HANDLING
Deferiprone Tablets (three times a day), 1,000 mg
White, film-coated, oval shaped tablets, imprinted with "T" score "1 K" on one side and plain on the other. The tablets can be broken in half along the score line. They are provided in HDPE bottles.

17 PATIENT COUNSELING INFORMATION
Advise the patient to read the FDA-approved patient labeling (Medication Guide).
• Instruct patients and their caregivers to store deferiprone at 68°F to 77°F (20°C to 25°C) [see USP Controlled Room Temperature].

• Deferiprone tablets, 500 mg: Store in the originally supplied bottle, closed tightly to protect from moisture. Advise patients to take the first dose of deferiprone in the morning, the second dose at midday, and the third dose in the evening. Clinical experience suggests that taking deferiprone with meals may reduce nausea.

• Deferiprone tablets, 1,000 mg: Store in the originally supplied bottle, closed tightly to protect from moisture. Advise patients to take the first dose of deferiprone in the morning, the second dose at midday, and the third dose in the evening. Clinical experience suggests that taking deferiprone with meals may reduce nausea.

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Dispense with Medication Guide available at: https://www.taro.com/usa-medication-guides

Medication Guide
Deferiprone (de-fer-ip-ron) Tablets

What is the most important information I should know about deferiprone tablets?
Deferiprone tablets can cause serious side effects, including a very low white blood cell count. One type of white blood cell that is important for fighting infections is called a neutrophil.

Deferiprone tablets can cause serious side effects, including a very low white blood cell count. One type of white blood cell that is important for fighting infections is called a neutrophil. If your neutrophil count is low (neutropenia), you may be at risk of developing a serious infection that can lead to death.

Deferiprone tablets can cause serious side effects, including a very low white blood cell count. One type of white blood cell that is important for fighting infections is called a neutrophil. If your neutrophil count is low (neutropenia), you may be at risk of developing a serious infection that can lead to death.

Stop taking deferiprone tablets and call your healthcare provider or get medical help right away if you develop any of these symptoms of infection:

- fever
sore throat or mouth sores
flu-like symptoms
chills and severe shaking

It is important for you to have your white blood cell count checked within 24 hours of developing symptoms of an infection to see if you have severe neutropenia (agranulocytosis). Do not delay getting medical care if you are unable to reach your healthcare provider.

See "What are the possible side effects of deferiprone tablets?" for more information about side effects.

What is deferiprone?
Deferiprone is a prescription medicine used to treat iron overload from blood transfusions in adults with thalassemia syndromes when current iron removal (chelation) therapy does not work well enough.

It is not known if deferiprone tablets is safe and effective to treat iron overload due to blood transfusions:

- in people with myelodysplastic syndrome or Diamond Blackfan anemia
in children less than 8 years of age

Do not take deferiprone tablets if you are allergic to deferiprone or any of the ingredients in deferiprone tablets. See the end of this Medication Guide for a complete list of ingredients in deferiprone tablets.

Before taking deferiprone tablets, tell your healthcare provider about all of your medical conditions, including if you:

- have liver problems
are pregnant or plan to become pregnant. Deferiprone tablets can harm your unborn baby. You should avoid becoming pregnant during treatment with deferiprone tablets. Tell your healthcare provider right away if you become pregnant or think you may be pregnant during treatment with deferiprone tablets.

- Females who are able to become pregnant:
Your healthcare provider should do a pregnancy test before you start treatment with deferiprone tablets.
You should use effective birth control during treatment with deferiprone tablets and for at least 6 months after the last dose.

Males with female partners who are able to become pregnant:

- You should use effective birth control during treatment with deferiprone tablets and for at least 3 months after the last dose.
are breastfeeding or plan to breastfeed. It is not known if deferiprone passes into your breast milk. Do not breastfeed during treatment with deferiprone tablets and for at least 2 weeks after the last dose.

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

How should I take deferiprone tablets?

- Take deferiprone tablets exactly as your healthcare provider tells you.
Your healthcare provider will prescribe deferiprone tablets based on your body weight.
Your healthcare provider will check your body iron level during treatment with deferiprone tablets and may change your dose if needed. Your healthcare provider may also change your dose of deferiprone tablets if you have certain side effects. Do not change your dose of deferiprone tablets unless your healthcare provider tells you to.
There are 2 types of deferiprone tablets. Be sure you are taking the correct tablet and ask your healthcare provider if unsure.

Table with 2 columns: Deferiprone Tablets 1,000 mg 3 times each day, Deferiprone Tablets 500 mg 3 times each day

Take your first dose in the morning, the second dose at mid-day, and the third dose in the evening.

- Taking deferiprone tablets with meals may help reduce nausea.
If you must take a medicine to treat indigestion (antacid), or supplements that contain iron, aluminum, or zinc during treatment with deferiprone tablets, allow at least 4 hours between taking deferiprone tablets and these products.
If you take too much deferiprone tablets, call your healthcare provider.
If you miss a dose, take it as soon as you remember. If it is almost time for your next dose, skip the missed dose and then continue with your regular schedule. Do not try to catch-up or take 2 doses at the same time to make up for a missed dose.

What are the possible side effects of deferiprone tablets?
Deferiprone tablets can cause serious side effects, including:

- See "What is the most important information I should know about deferiprone tablets?"
Increased liver enzyme levels in your blood. Your healthcare provider should do blood tests to check your liver function before you start and then monthly during treatment with deferiprone tablets. Your healthcare provider may temporarily stop treatment with deferiprone tablets if you develop increased liver enzyme levels and they continue to be increased.
Decreased levels of zinc in your blood. Your healthcare provider will do blood tests to check your zinc levels before you start and during treatment with deferiprone tablets, and may prescribe a zinc supplement for you if your zinc levels are low.

The most common side effects of deferiprone tablets in people with thalassemia include:

- nausea
vomiting
stomach-area (abdominal) pain
joint pain
abnormal liver function tests
low white blood cells

Deferiprone tablets may cause a change in urine color to reddish-brown. This is not harmful and is expected during treatment with deferiprone tablets.

These are not all of the possible side effects of deferiprone tablets.

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 deferiprone tablets?

Table with 2 columns: Deferiprone Tablets 1,000 mg 3 times each day, Deferiprone Tablets 500 mg 3 times each day. Storage instructions: Store at room temperature between 68°F to 77°F (20°C to 25°C).

Keep deferiprone tablets and all medicines out of the reach of children.

General information about the safe and effective use of deferiprone tablets.

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use deferiprone tablets for a condition for which it was not prescribed. Do not give deferiprone tablets to other people, even if they have the same symptoms that you have. It may harm them. You can ask your pharmacist or healthcare provider for information about deferiprone tablets that is written for health professionals.

What are the ingredients in deferiprone tablets?

Table with 2 columns: Deferiprone Tablets 1,000 mg 3 times each day, Deferiprone Tablets 500 mg 3 times each day. Active ingredient: deferiprone. Inactive ingredients: Tablet core: croscopolone, magnesium stearate and methylcellulose. Coating: copovidone, hypromellose, medium chain triglycerides, polydextrose, polyethylene glycol and titanium dioxide.

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Dist. by: Taro Pharmaceuticals U.S.A., Inc. Hawthorne, NY 10532

For more information, call 1-866-923-4914 or visit www.taro.com

This Medication Guide has been approved by the U.S. Food and Drug Administration. Pediatric use information is approved for Chiesi USA, Inc.'s FERAPROX® (deferiprone) tablets. However, due to Chiesi USA, Inc.'s marketing exclusivity rights, this drug product is not labeled with that information.

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REG. 2
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