

HIGHLIGHTS OF PRESCRIBING INFORMATION

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

IMATINIB MESYLATE tablets, for oral use Initial U.S. Approval: 2001

| Indications and Usage (1.5, 1.6) | 8/2016 |
|--------------------------------------|--------|
| Dosage and Administration (2.6, 2.7) | 8/2016 |
| Warnings and Precautions (5.10) | 8/2016 |

INDICATIONS AND USAGE

- Newly diagnosed adult and pediatric patients with Philadelphia chromosome positive chronic myeloid leukemia (Ph+ CML) in chronic phase (1)
- Patients with Philadelphia chromosome positive chronic myeloid leukemia (Ph+ CML) in blast crisis (BC), accelerated phase (AP), or in chronic phase (CP) after relapse of interferon- α therapy (1.2)
- Adult patients with relapsed or refractory Philadelphia chromosome positive acute lymphoblastic leukemia (Ph+ ALL) (1.3)
- Adult patients with myelodysplastic/myeloproliferative diseases (MDS/MPD) associated with PDGFR (platelet-derived growth factor receptor) gene re-arrangements as determined with an FDA-approved test (1.5)
- Adult patients with aggressive systemic mastocytosis (ASM) without the D816V c-KIT mutation as determined with an FDA-approved test or with c-KIT mutational status unknown (1.6)
- Adult patients with hyperesoinophilic syndrome (HES) and/or chronic eosinophilic leukemia (CEL) who have the FIP1L1-PDGFR α fusion kinase (mutational analysis or FISH demonstration of CHC2 allele deletion) and for patients with HES and/or CEL who are FIP1L1-PDGFR α fusion kinase negative or unknown (1.7)
- Adult patients with unresectable, recurrent and/or metastatic dermatofibrosarcoma protuberans (DFSP) (1.8)

DOSAGE AND ADMINISTRATION

- Adults with Ph+ CML CP (2.2): 400 mg/day
- Adults with Ph+ CML AP or BC (2.2): 600 mg/day
- Pediatrics with Ph+ CML CP (2.3): 340 mg/m²/day
- Adults with Ph+ ALL (2.4): 600 mg/day
- Adults with MDS/MPD (2.6): 400 mg/day
- Adults with ASM (2.7): 100 mg/day or 400 mg/day
- Adults with HES/CEL (2.8): 100 mg/day or 400 mg/day
- Adults with DFSP (2.9): 800 mg/day
- Patients with mild to moderate hepatic impairment (2.12): 400 mg/day
- Patients with severe hepatic impairment (2.12): 300 mg/day

All doses of imatinib mesylate tablets should be taken with a meal and a large glass of water. Doses of 400 mg or 600 mg should be administered once daily, whereas a dose of 800 mg should be administered as 400 mg twice a day. Imatinib mesylate tablets can be dissolved in water or apple juice for patients having difficulty swallowing. Daily dosing of 800 mg and above should be accomplished using the 400 mg tablet to reduce exposure to iron.

DOSAGE FORMS AND STRENGTHS

Tablets (scored): 100 mg and 400 mg (3)

FULL PRESCRIBING INFORMATION: CONTENTS*

| | |
|------|---|
| 1 | INDICATIONS AND USAGE |
| 1.1 | Newly Diagnosed Philadelphia Positive Chronic Myeloid Leukemia (Ph+ CML) |
| 1.2 | Ph+ CML in Blast Crisis (BC), Accelerated Phase (AP) or Chronic Phase (CP) After Interferon- α (IFN) Therapy |
| 1.3 | Adult Patients with Ph+ Acute Lymphoblastic Leukemia (ALL) |
| 1.5 | Myelodysplastic/Myeloproliferative Diseases (MDS/MPD) |
| 1.6 | Aggressive Systemic Mastocytosis (ASM) |
| 1.7 | Hyperesoinophilic Syndrome (HES) and/or Chronic Eosinophilic Leukemia (CEL) |
| 1.8 | Dermatofibrosarcoma Protuberans (DFSP) |
| 2 | DOSAGE AND ADMINISTRATION |
| 2.1 | Drug Administration |
| 2.2 | Adult Patients with Ph+ CML CP, AP or BC |
| 2.3 | Pediatric Patients with Ph+ CML CP |
| 2.4 | Adult Patients with Ph+ ALL |
| 2.5 | Adult Patients with MDS/MPD |
| 2.6 | Adult Patients with ASM |
| 2.7 | Adult Patients with HES/CEL |
| 2.8 | Adult Patients with DFSP |
| 2.9 | Patients with mild to moderate hepatic impairment |
| 2.10 | Dose Adjustment for Hepatotoxicity and Non-Hematologic Adverse Reactions |
| 2.11 | Dose Adjustment for Hematologic Adverse Reactions |
| 3 | DOSAGE FORMS AND STRENGTHS |
| 4 | CONTRAINDICATIONS |
| 5 | WARNINGS AND PRECAUTIONS |
| 5.1 | Fluid Retention and Edema |
| 5.2 | Hematologic Toxicity |
| 5.3 | Congestive Heart Failure and Left Ventricular Dysfunction |
| 5.4 | Hepatotoxicity |
| 5.5 | Gastrointestinal Disorders |
| 5.6 | Gastrointestinal Disorders |
| 5.7 | Hyperesoinophilic Cardiac Toxicity |
| 5.8 | Dermatologic Toxicities |
| 5.9 | Hypothyroidism |
| 5.10 | Embryo-Letal Toxicity |
| 5.11 | Growth Retardation in Children and Adolescents |
| 5.12 | Tumor Lysis Syndrome |
| 5.13 | Impairments Related to Driving and Using Machinery |

FULL PRESCRIBING INFORMATION

| | |
|------|---|
| 1 | INDICATIONS AND USAGE |
| 1.1 | Newly Diagnosed Philadelphia Positive Chronic Myeloid Leukemia (Ph+ CML) |
| 1.2 | Ph+ CML in Blast Crisis (BC), Accelerated Phase (AP) or Chronic Phase (CP) After Interferon- α (IFN) Therapy |
| 1.3 | Adult Patients with Ph+ Acute Lymphoblastic Leukemia (ALL) |
| 1.5 | Myelodysplastic/Myeloproliferative Diseases (MDS/MPD) |
| 1.6 | Aggressive Systemic Mastocytosis (ASM) |
| 1.7 | Hyperesoinophilic Syndrome (HES) and/or Chronic Eosinophilic Leukemia (CEL) |
| 1.8 | Dermatofibrosarcoma Protuberans (DFSP) |
| 2 | DOSAGE AND ADMINISTRATION |
| 2.1 | Drug Administration |
| 2.2 | Adult Patients with Ph+ CML CP, AP or BC |
| 2.3 | Pediatric Patients with Ph+ CML CP |
| 2.4 | Adult Patients with Ph+ ALL |
| 2.5 | Adult Patients with MDS/MPD |
| 2.6 | Adult Patients with ASM |
| 2.7 | Adult Patients with HES/CEL |
| 2.8 | Adult Patients with DFSP |
| 2.9 | Patients with mild to moderate hepatic impairment |
| 2.10 | Dose Adjustment for Hepatotoxicity and Non-Hematologic Adverse Reactions |
| 2.11 | Dose Adjustment for Hematologic Adverse Reactions |
| 3 | DOSAGE FORMS AND STRENGTHS |
| 4 | CONTRAINDICATIONS |
| 5 | WARNINGS AND PRECAUTIONS |
| 5.1 | Fluid Retention and Edema |
| 5.2 | Hematologic Toxicity |
| 5.3 | Congestive Heart Failure and Left Ventricular Dysfunction |
| 5.4 | Hepatotoxicity |
| 5.5 | Gastrointestinal Disorders |
| 5.6 | Gastrointestinal Disorders |
| 5.7 | Hyperesoinophilic Cardiac Toxicity |
| 5.8 | Dermatologic Toxicities |
| 5.9 | Hypothyroidism |
| 5.10 | Embryo-Letal Toxicity |
| 5.11 | Growth Retardation in Children and Adolescents |
| 5.12 | Tumor Lysis Syndrome |
| 5.13 | Impairments Related to Driving and Using Machinery |

FULL PRESCRIBING INFORMATION

| | |
|------|---|
| 1 | INDICATIONS AND USAGE |
| 1.1 | Newly Diagnosed Philadelphia Positive Chronic Myeloid Leukemia (Ph+ CML) |
| 1.2 | Ph+ CML in Blast Crisis (BC), Accelerated Phase (AP) or Chronic Phase (CP) After Interferon- α (IFN) Therapy |
| 1.3 | Adult Patients with Ph+ Acute Lymphoblastic Leukemia (ALL) |
| 1.5 | Myelodysplastic/Myeloproliferative Diseases (MDS/MPD) |
| 1.6 | Aggressive Systemic Mastocytosis (ASM) |
| 1.7 | Hyperesoinophilic Syndrome (HES) and/or Chronic Eosinophilic Leukemia (CEL) |
| 1.8 | Dermatofibrosarcoma Protuberans (DFSP) |
| 2 | DOSAGE AND ADMINISTRATION |
| 2.1 | Drug Administration |
| 2.2 | Adult Patients with Ph+ CML CP, AP or BC |
| 2.3 | Pediatric Patients with Ph+ CML CP |
| 2.4 | Adult Patients with Ph+ ALL |
| 2.5 | Adult Patients with MDS/MPD |
| 2.6 | Adult Patients with ASM |
| 2.7 | Adult Patients with HES/CEL |
| 2.8 | Adult Patients with DFSP |
| 2.9 | Patients with mild to moderate hepatic impairment |
| 2.10 | Dose Adjustment for Hepatotoxicity and Non-Hematologic Adverse Reactions |
| 2.11 | Dose Adjustment for Hematologic Adverse Reactions |
| 3 | DOSAGE FORMS AND STRENGTHS |
| 4 | CONTRAINDICATIONS |
| 5 | WARNINGS AND PRECAUTIONS |
| 5.1 | Fluid Retention and Edema |
| 5.2 | Hematologic Toxicity |
| 5.3 | Congestive Heart Failure and Left Ventricular Dysfunction |
| 5.4 | Hepatotoxicity |
| 5.5 | Gastrointestinal Disorders |
| 5.6 | Gastrointestinal Disorders |
| 5.7 | Hyperesoinophilic Cardiac Toxicity |
| 5.8 | Dermatologic Toxicities |
| 5.9 | Hypothyroidism |
| 5.10 | Embryo-Letal Toxicity |
| 5.11 | Growth Retardation in Children and Adolescents |
| 5.12 | Tumor Lysis Syndrome |
| 5.13 | Impairments Related to Driving and Using Machinery |

| | |
|------|---|
| 1 | INDICATIONS AND USAGE |
| 1.1 | Newly Diagnosed Philadelphia Positive Chronic Myeloid Leukemia (Ph+ CML) |
| 1.2 | Ph+ CML in Blast Crisis (BC), Accelerated Phase (AP) or Chronic Phase (CP) After Interferon- α (IFN) Therapy |
| 1.3 | Adult Patients with Ph+ Acute Lymphoblastic Leukemia (ALL) |
| 1.5 | Myelodysplastic/Myeloproliferative Diseases (MDS/MPD) |
| 1.6 | Aggressive Systemic Mastocytosis (ASM) |
| 1.7 | Hyperesoinophilic Syndrome (HES) and/or Chronic Eosinophilic Leukemia (CEL) |
| 1.8 | Dermatofibrosarcoma Protuberans (DFSP) |
| 2 | DOSAGE AND ADMINISTRATION |
| 2.1 | Drug Administration |
| 2.2 | Adult Patients with Ph+ CML CP, AP or BC |
| 2.3 | Pediatric Patients with Ph+ CML CP |
| 2.4 | Adult Patients with Ph+ ALL |
| 2.5 | Adult Patients with MDS/MPD |
| 2.6 | Adult Patients with ASM |
| 2.7 | Adult Patients with HES/CEL |
| 2.8 | Adult Patients with DFSP |
| 2.9 | Patients with mild to moderate hepatic impairment |
| 2.10 | Dose Adjustment for Hepatotoxicity and Non-Hematologic Adverse Reactions |
| 2.11 | Dose Adjustment for Hematologic Adverse Reactions |
| 3 | DOSAGE FORMS AND STRENGTHS |
| 4 | CONTRAINDICATIONS |
| 5 | WARNINGS AND PRECAUTIONS |
| 5.1 | Fluid Retention and Edema |
| 5.2 | Hematologic Toxicity |
| 5.3 | Congestive Heart Failure and Left Ventricular Dysfunction |
| 5.4 | Hepatotoxicity |
| 5.5 | Gastrointestinal Disorders |
| 5.6 | Gastrointestinal Disorders |
| 5.7 | Hyperesoinophilic Cardiac Toxicity |
| 5.8 | Dermatologic Toxicities |
| 5.9 | Hypothyroidism |
| 5.10 | Embryo-Letal Toxicity |
| 5.11 | Growth Retardation in Children and Adolescents |
| 5.12 | Tumor Lysis Syndrome |
| 5.13 | Impairments Related to Driving and Using Machinery |

FULL PRESCRIBING INFORMATION

| | |
|------|---|
| 1 | INDICATIONS AND USAGE |
| 1.1 | Newly Diagnosed Philadelphia Positive Chronic Myeloid Leukemia (Ph+ CML) |
| 1.2 | Ph+ CML in Blast Crisis (BC), Accelerated Phase (AP) or Chronic Phase (CP) After Interferon- α (IFN) Therapy |
| 1.3 | Adult Patients with Ph+ Acute Lymphoblastic Leukemia (ALL) |
| 1.5 | Myelodysplastic/Myeloproliferative Diseases (MDS/MPD) |
| 1.6 | Aggressive Systemic Mastocytosis (ASM) |
| 1.7 | Hyperesoinophilic Syndrome (HES) and/or Chronic Eosinophilic Leukemia (CEL) |
| 1.8 | Dermatofibrosarcoma Protuberans (DFSP) |
| 2 | DOSAGE AND ADMINISTRATION |
| 2.1 | Drug Administration |
| 2.2 | Adult Patients with Ph+ CML CP, AP or BC |
| 2.3 | Pediatric Patients with Ph+ CML CP |
| 2.4 | Adult Patients with Ph+ ALL |
| 2.5 | Adult Patients with MDS/MPD |
| 2.6 | Adult Patients with ASM |
| 2.7 | Adult Patients with HES/CEL |
| 2.8 | Adult Patients with DFSP |
| 2.9 | Patients with mild to moderate hepatic impairment |
| 2.10 | Dose Adjustment for Hepatotoxicity and Non-Hematologic Adverse Reactions |
| 2.11 | Dose Adjustment for Hematologic Adverse Reactions |
| 3 | DOSAGE FORMS AND STRENGTHS |
| 4 | CONTRAINDICATIONS |
| 5 | WARNINGS AND PRECAUTIONS |
| 5.1 | Fluid Retention and Edema |
| 5.2 | Hematologic Toxicity |
| 5.3 | Congestive Heart Failure and Left Ventricular Dysfunction |
| 5.4 | Hepatotoxicity |
| 5.5 | Gastrointestinal Disorders |
| 5.6 | Gastrointestinal Disorders |
| 5.7 | Hyperesoinophilic Cardiac Toxicity |
| 5.8 | Dermatologic Toxicities |
| 5.9 | Hypothyroidism |
| 5.10 | Embryo-Letal Toxicity |
| 5.11 | Growth Retardation in Children and Adolescents |
| 5.12 | Tumor Lysis Syndrome |
| 5.13 | Impairments Related to Driving and Using Machinery |

CONTRAINDICATIONS

None. (4)

WARNINGS AND PRECAUTIONS

- Edema and severe fluid retention have occurred. Weigh patients regularly and manage unexpected rapid weight gain by drug interruption and diuretics. (5.1, 6.1)
- Cytopenias, particularly anemia, neutropenia, and thrombocytopenia, have occurred. Manage with dose reduction, dose interruption, or discontinuation of treatment. Perform complete blood counts weekly for the first month, biweekly for the second month, and periodically thereafter. (5.2)
- Severe congestive heart failure and left ventricular dysfunction have been reported, particularly in patients with comorbidities and risk factors. Monitor and treat patients with cardiac disease or risk factors for cardiac failure. (5.3)
- Severe hepatotoxicity including fatalities may occur. Assess liver function before initiation of treatment and monthly thereafter or as clinically indicated. Monitor liver function when combined with chemotherapy known to be associated with liver dysfunction. (5.4)
- Grade 3/4 hemorrhage has been reported in clinical studies in patients with newly diagnosed CML. (5.5)
- Gastrointestinal perforations, some fatal, have been reported. (5.6)
- Cardiogenic shock/let ventricular dysfunction has been associated with the initiation of imatinib mesylate in patients with conditions associated with high eosinophil levels (e.g., HES, MDS/MPD and ASM). (5.7)
- Bullous dermatologic reactions (e.g., erythema multiforme and Stevens-Johnson syndrome) have been reported with the use of imatinib mesylate. (5.8)
- Hypothyroidism has been reported in thyroidectomy patients undergoing levothyroxine replacement. Closely monitor TSH levels in such patients. (5.9)
- Fetal harm can occur when administered to a pregnant woman. Apprise women of the potential harm to the fetus, and to avoid pregnancy when taking imatinib mesylate. (5.10, 8.1)
- Growth retardation occurring in children and pre-adolescents receiving imatinib mesylate has been reported. Close monitoring of growth in children under imatinib mesylate treatment is recommended. (5.11, 6.2)
- Tumor lysis syndrome. Close monitoring is recommended. (5.12)
- Reports of motor vehicle accidents have been received in patients receiving imatinib mesylate. Caution patients about driving a car or operating machinery. (5.13)

ADVERSE REACTIONS

The most frequently reported adverse reactions (greater than or equal to 30%) were edema, nausea, vomiting, muscle cramps, musculoskeletal pain, diarrhea, rash, fatigue and abdominal pain. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Sun Pharmaceutical Industries, Inc. at 1-800-818-4555 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DRUG INTERACTIONS

- CYP3A4 inducers may decrease imatinib mesylate C_{max} and area under curve (AUC). (2.12, 7.1, 12.3)
- CYP3A4 inhibitors may increase imatinib mesylate C_{max} and AUC. (7.2, 12.3)
- Imatinib mesylate is an inhibitor of CYP3A4 and CYP2D6 which may increase the C_{max} and AUC of other drugs. (7.3, 7.4, 12.3)
- Patients who require anticoagulation should receive low-molecular weight or standard heparin and not warfarin. (7.3)

See 17 for PATIENT COUNSELING INFORMATION

Revised: 07/2017

| | |
|------|--|
| 6 | ADVERSE REACTIONS |
| 6.1 | Clinical Trials Experience |
| 6.2 | Postmarketing Surveillance |
| 7 | DRUG INTERACTIONS |
| 7.1 | Agents Inhibiting CYP3A4 Metabolism |
| 7.2 | Agents Inhibiting CYP2D6 Metabolism |
| 7.3 | Interactions with CYP3A4 |
| 7.4 | Interactions with CYP2D6 |
| 8 | USE IN SPECIFIC POPULATIONS |
| 8.1 | Pregnancy |
| 8.2 | Lactation |
| 8.3 | Females and Males of Reproductive Potential |
| 8.4 | Pediatric Use |
| 8.5 | Geriatric Use |
| 8.6 | Hepatic Impairment |
| 8.7 | Renal Impairment |
| 10 | OVERDOSAGE |
| 11 | DESCRIPTION |
| 12 | CLINICAL PHARMACOLOGY |
| 12.1 | Mechanism of Action |
| 12.2 | Pharmacokinetics |
| 12.3 | Pharmacodynamics |
| 13 | NONCLINICAL TOXICOLOGY |
| 13.1 | Carcinogenesis, Mutagenesis, Impairment of Fertility |
| 13.2 | Animal Toxicology and/or Pharmacology |
| 14 | CLINICAL STUDIES |
| 14.1 | Chronic Myeloid Leukemia |
| 14.2 | Pediatric CML |
| 14.3 | Acute Lymphoblastic Leukemia |
| 14.4 | Myelodysplastic/Myeloproliferative Diseases |
| 14.5 | Aggressive Systemic Mastocytosis |
| 14.6 | Hyperesoinophilic Syndrome/Chronic Eosinophilic Leukemia |
| 14.7 | Dermatofibrosarcoma Protuberans |
| 14.8 | Dermatofibrosarcoma Protuberans |
| 15 | REFERENCES |
| 16 | HOW SUPPLIED/STORAGE AND HANDLING |
| 17 | PATIENT COUNSELING INFORMATION |

* Sections or subsections omitted from the full prescribing information are not listed.

Dose Modification Guidelines

DFSP/DFSP: The use of concomitant strong CYP3A4 inducers should be avoided (e.g., dexamethasone, phenytoin, carbamazepine, rifampin, rifabutin, rifampicin, phenobarbital). If patients must be coadministered a strong CYP3A4 inducer, based on pharmacokinetic studies, the dosage of imatinib mesylate tablets should be increased by at least 50%, and clinical response should be carefully monitored (see [Drug Interactions \(7.1\)](#)).

Hepatic Impairment: Patients with mild and moderate hepatic impairment do not require a dose adjustment and should be treated per the recommended dose. A 25% decrease in the recommended dose should be used for patients with severe hepatic impairment (see [Use in Specific Populations \(8.6\)](#)).

Renal Impairment: Patients with moderate renal impairment (CrCl = 20 to 39 mL/min) should receive a 50% decrease in the recommended starting dose and further doses can be increased as tolerated. Doses greater than 600 mg are not recommended in patients with mild renal impairment (CrCl = 40 to 59 mL/min). For patients with moderate renal impairment doses greater than 400 mg are not recommended.

DFSP/DFSP: Patients with moderate renal impairment (CrCl = 20 to 39 mL/min) should receive a 50% decrease in the recommended starting dose and further doses can be increased as tolerated. Doses greater than 600 mg are not recommended in patients with mild renal impairment (CrCl = 40 to 59 mL/min). For patients with moderate renal impairment doses greater than 400 mg are not recommended.

DFSP/DFSP: Patients with moderate renal impairment (CrCl = 20 to 39 mL/min) should receive a 50% decrease in the recommended starting dose and further doses can be increased as tolerated. Doses greater than 600 mg are not recommended in patients with mild renal impairment (CrCl = 40 to 59 mL/min). For patients with moderate renal impairment doses greater than 400 mg are not recommended.

Dose Adjustments for Hematologic Adverse Reactions

Dose reduction or treatment interruptions for severe neutropenia and thrombocytopenia are recommended as indicated in Table 1.

| Table 1: Dose Adjustments for Neutropenia and Thrombocytopenia | | | |
|--|--|--|---|
| ASST associated with eosinophilia (starting dose 100 mg) | ANC ¹ less than 1.5 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |
| HES/CEL with FIP1L1-PDGFR α fusion kinase (starting dose 100 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |
| Chronic Phase CML (starting dose 400 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at the original starting dose of 400 mg |
| MDS/MPD, ASM and HES/CEL (starting dose 400 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at the original starting dose of 400 mg |
| Ph+ CML: Accelerated Phase and Blast Crisis (starting dose 600 mg) | ANC less than 0.5 x 10 ⁹ /L and/or platelets less than 10 x 10 ⁹ /L | 1. Check if cytopenia is related to leukemia (narrow aspirate or biopsy) | 2. If cytopenia is unrelated to leukemia, reduce dose of imatinib mesylate tablets to 400 mg |
| Ph+ CML: Chronic Phase (starting dose 400 mg) | ANC less than 0.5 x 10 ⁹ /L and/or platelets less than 10 x 10 ⁹ /L | 1. Check if cytopenia is related to leukemia (narrow aspirate or biopsy) | 2. If cytopenia is unrelated to leukemia, reduce dose of imatinib mesylate tablets to 300 mg |
| DFSP (starting dose 800 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |
| Pediatric newly diagnosed chronic phase CML (starting dose 340 mg/m ²) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |

| Table 2: Dose Adjustments for Hematologic Adverse Reactions | | | |
|--|--|--|---|
| ASST associated with eosinophilia (starting dose 100 mg) | ANC ¹ less than 1.5 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |
| HES/CEL with FIP1L1-PDGFR α fusion kinase (starting dose 100 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |
| Chronic Phase CML (starting dose 400 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at the original starting dose of 400 mg |
| MDS/MPD, ASM and HES/CEL (starting dose 400 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at the original starting dose of 400 mg |
| Ph+ CML: Accelerated Phase and Blast Crisis (starting dose 600 mg) | ANC less than 0.5 x 10 ⁹ /L and/or platelets less than 10 x 10 ⁹ /L | 1. Check if cytopenia is related to leukemia (narrow aspirate or biopsy) | 2. If cytopenia is unrelated to leukemia, reduce dose of imatinib mesylate tablets to 400 mg |
| Ph+ CML: Chronic Phase (starting dose 400 mg) | ANC less than 0.5 x 10 ⁹ /L and/or platelets less than 10 x 10 ⁹ /L | 1. Check if cytopenia is related to leukemia (narrow aspirate or biopsy) | 2. If cytopenia is unrelated to leukemia, reduce dose of imatinib mesylate tablets to 300 mg |
| DFSP (starting dose 800 mg) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |
| Pediatric newly diagnosed chronic phase CML (starting dose 340 mg/m ²) | ANC less than 1 x 10 ⁹ /L and/or platelets less than 50 x 10 ⁹ /L | 1. Stop imatinib mesylate tablets until ANC greater than or equal to 1.5 x 10 ⁹ /L and platelets greater than or equal to 75 x 10 ⁹ /L | 2. Resume treatment with imatinib mesylate tablets at previous dose (i.e., dose before severe adverse reaction) |

FULL PRESCRIBING INFORMATION

| | |
|-----|---|
| 1 | INDICATIONS AND USAGE |
| 1.1 | Newly Diagnosed Philadelphia Positive Chronic Myeloid Leukemia (Ph+ CML) |
| 1.2 | Ph+ CML in Blast Crisis (BC), Accelerated Phase (AP) or Chronic Phase (CP) After Interferon- α (IFN) Therapy |
| 1.3 | Adult Patients with Ph+ Acute Lymphoblastic Leukemia (ALL) |
| 1.5 | Myelodysplastic/Myeloproliferative Diseases (MDS/MPD) |
| 1.6 | Aggressive Systemic Mastocytosis (ASM) |
| 1.7 | Hyperesoinophilic Syndrome (HES) and/or Chronic Eosinophilic Leukemia (CEL) |
| 1.8 | Dermatofibrosarcoma Protuberans (DFSP) |
| | |

