

## **HIGHLIGHTS OF PRESCRIBING INFORMATION**

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

**PROMACTA (eltrombopag) tablets, for oral use  
PROMACTA (eltrombopag) for oral suspension**  
Initial U.S. Approval: 2008

### **WARNING: RISK FOR HEPATIC DECOMPENSATION IN PATIENTS WITH CHRONIC HEPATITIS C**

*See full prescribing information for complete boxed warning.*

In patients with chronic hepatitis C, PROMACTA in combination with interferon and ribavirin may increase the risk of hepatic decompensation. (5.1)

### **RECENT MAJOR CHANGES**

Indications and Usage, Treatment of Thrombocytopenia in Patients with Chronic ITP (1.1)	08/2015
Indications and Usage, Treatment of Severe Aplastic Anemia (1.3)	08/2014
Dosage and Administration, Chronic Immune (Idiopathic) Thrombocytopenia (2.1)	08/2015
Dosage and Administration, Severe Aplastic Anemia (2.3)	08/2014
Dosage and Administration, Administration (2.4)	08/2015

### **INDICATIONS AND USAGE**

PROMACTA is a thrombopoietin receptor agonist indicated for the treatment of:

- thrombocytopenia in adult and pediatric patients 1 year and older with chronic immune (idiopathic) thrombocytopenia (ITP) who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy. (1.1)
- thrombocytopenia in patients with chronic hepatitis C to allow the initiation and maintenance of interferon-based therapy. (1.2)
- patients with severe aplastic anemia who have had an insufficient response to immunosuppressive therapy. (1.3)

Limitations of Use:

- PROMACTA should be used only in patients with ITP whose degree of thrombocytopenia and clinical condition increase the risk for bleeding. (1.4)
- PROMACTA should be used only in patients with chronic hepatitis C whose degree of thrombocytopenia prevents the initiation of interferon-based therapy or limits the ability to maintain interferon-based therapy. (1.4)
- Safety and efficacy have not been established in combination with direct-acting antiviral agents used without interferon for treatment of chronic hepatitis C infection. (1.4)

### **DOSAGE AND ADMINISTRATION**

- Take on an empty stomach (1 hour before or 2 hours after a meal). (2.4)
- **Chronic ITP:** Initiate PROMACTA at 50 mg once daily for most adult and pediatric patients 6 years and older and at 25 mg once daily for pediatric patients aged 1 to 5 years. Dose reductions are needed for patients with hepatic impairment and some patients of East Asian ancestry. Adjust to maintain platelet count greater than or equal to  $50 \times 10^9/L$ . Do not exceed 75 mg per day. (2.1, 8.6, 8.8)

- **Chronic Hepatitis C-associated Thrombocytopenia:** Initiate PROMACTA at 25 mg once daily for all patients. Adjust to achieve target platelet count required to initiate antiviral therapy. Do not exceed a daily dose of 100 mg. (2.2)
- **Severe Aplastic Anemia:** Initiate PROMACTA at 50 mg once daily for most patients. Reduce initial dose in patients with hepatic impairment or patients of East Asian ancestry. Adjust to maintain platelet count greater than  $50 \times 10^9/L$ . Do not exceed 150 mg per day. (2.3, 8.6, 8.8)

### **DOSAGE FORMS AND STRENGTHS**

- Tablets: 12.5 mg, 25 mg, 50 mg, 75 mg, and 100 mg (3)
- For oral suspension: 25 mg (3)

### **CONTRAINDICATIONS**

None. (4)

### **WARNINGS AND PRECAUTIONS**

- Hepatotoxicity: Monitor liver function before and during therapy. (5.2)
- Thrombotic/Thromboembolic Complications: Portal vein thrombosis has been reported in patients with chronic liver disease receiving PROMACTA. Monitor platelet counts regularly. (5.3)

### **ADVERSE REACTIONS**

- In adult patients with ITP, the most common adverse reactions (greater than or equal to 5% and greater than placebo) were: nausea, diarrhea, upper respiratory tract infection, vomiting, increased ALT, myalgia, and urinary tract infection. (6.1)
- In pediatric patients age 1 year and older with ITP, the most common adverse reactions (greater than or equal to 10% and greater than placebo) were upper respiratory tract infection, and nasopharyngitis. (6.1)
- In patients with chronic hepatitis C-associated thrombocytopenia, the most common adverse reactions (greater than or equal to 10% and greater than placebo) were: anemia, pyrexia, fatigue, headache, nausea, diarrhea, decreased appetite, influenza-like illness, asthenia, insomnia, cough, pruritus, chills, myalgia, alopecia, and peripheral edema. (6.1)
- In patients with severe aplastic anemia, the most common adverse reactions (greater than or equal to 20%) were: nausea, fatigue, cough, diarrhea, and headache. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact GlaxoSmithKline at 1-888-825-5249 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).

### **DRUG INTERACTIONS**

Take PROMACTA at least 2 hours before or 4 hours after any medications or products containing polyvalent cations such as antacids, calcium-rich foods, and mineral supplements. (2.4, 7.1)

### **USE IN SPECIFIC POPULATIONS**

- **Pregnancy:** Based on animal data, PROMACTA may cause fetal harm. (8.1)
- **Nursing Mothers:** A decision should be made to discontinue PROMACTA or nursing, taking into account the importance of PROMACTA to the mother. (8.3)

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

Revised: 08/2015

<b>FULL PRESCRIBING INFORMATION: CONTENTS*</b>
<b>WARNING: RISK FOR HEPATIC DECOMPENSATION IN PATIENTS WITH CHRONIC HEPATITIS C</b>
<b>1 INDICATIONS AND USAGE</b>
1.1 Treatment of Thrombocytopenia in Patients with Chronic ITP
1.2 Treatment of Thrombocytopenia in Patients with Hepatitis C Infection
1.3 Treatment of Severe Aplastic Anemia
1.4 Limitations of Use
<b>2 DOSAGE AND ADMINISTRATION</b>
2.1 Chronic Immune (Idiopathic) Thrombocytopenia
2.2 Chronic Hepatitis C-associated Thrombocytopenia
2.3 Severe Aplastic Anemia
2.4 Administration
<b>3 DOSAGE FORMS AND STRENGTHS</b>
3.1 Tablets
3.2 For Oral Suspension
<b>4 CONTRAINDICATIONS</b>
<b>5 WARNINGS AND PRECAUTIONS</b>
5.1 Hepatic Decompensation in Patients with Chronic Hepatitis C
5.2 Hepatotoxicity
5.3 Thrombotic/Thromboembolic Complications
5.4 Cataracts
<b>6 ADVERSE REACTIONS</b>
6.1 Clinical Trials Experience
6.2 Postmarketing Experience

<b>7 DRUG INTERACTIONS</b>
7.1 Polyaluminum Cations (Chelation)
7.2 Transporters
7.3 Protease Inhibitors
7.4 Peginterferon alfa-2a/b Therapy
<b>8 USE IN SPECIFIC POPULATIONS</b>
8.1 Pregnancy
8.3 Nursing Mothers
8.4 Pediatric Use
8.5 Geriatric Use
8.6 Hepatic Impairment
8.7 Renal Impairment
8.8 Ethnicity
<b>10 OVERDOSAGE</b>
<b>11 DESCRIPTION</b>
<b>12 CLINICAL PHARMACOLOGY</b>
12.1 Mechanism of Action
12.3 Pharmacokinetics
12.6 Assessment of Risk of QT/QTc Prolongation
<b>13 NONCLINICAL TOXICOLOGY</b>
13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Animal Pharmacology and/or Toxicology
<b>14 CLINICAL STUDIES</b>
14.1 Chronic ITP
14.2 Chronic Hepatitis C-associated Thrombocytopenia
14.3 Severe Aplastic Anemia
<b>16 HOW SUPPLIED/STORAGE AND HANDLING</b>
16.1 Tablets
16.2 For Oral Suspension
<b>17 PATIENT COUNSELING INFORMATION</b>

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

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## FULL PRESCRIBING INFORMATION

### WARNING: RISK FOR HEPATIC DECOMPENSATION IN PATIENTS WITH CHRONIC HEPATITIS C

In patients with chronic hepatitis C, PROMACTA® in combination with interferon and ribavirin may increase the risk of hepatic decompensation [see Warnings and Precautions (5.1)].

## 1 INDICATIONS AND USAGE

### 1.1 Treatment of Thrombocytopenia in Patients with Chronic ITP

PROMACTA is indicated for the treatment of thrombocytopenia in adult and pediatric patients 1 year and older with chronic immune (idiopathic) thrombocytopenia (ITP) who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy.

### 1.2 Treatment of Thrombocytopenia in Patients with Hepatitis C Infection

PROMACTA is indicated for the treatment of thrombocytopenia in patients with chronic hepatitis C to allow the initiation and maintenance of interferon-based therapy.

### 1.3 Treatment of Severe Aplastic Anemia

PROMACTA is indicated for the treatment of patients with severe aplastic anemia who have had an insufficient response to immunosuppressive therapy.

### 1.4 Limitations of Use

- PROMACTA should be used only in patients with ITP whose degree of thrombocytopenia and clinical condition increase the risk for bleeding.
- PROMACTA should be used only in patients with chronic hepatitis C whose degree of thrombocytopenia prevents the initiation of interferon-based therapy or limits the ability to maintain interferon-based therapy.
- Safety and efficacy have not been established in combination with direct-acting antiviral agents used without interferon for treatment of chronic hepatitis C infection.

## 2 DOSAGE AND ADMINISTRATION

### 2.1 Chronic Immune (Idiopathic) Thrombocytopenia

Use the lowest dose of PROMACTA to achieve and maintain a platelet count greater than or equal to  $50 \times 10^9/L$  as necessary to reduce the risk for bleeding. Dose adjustments are based upon the platelet count response. Do not use PROMACTA to normalize platelet counts [see Warnings and Precautions (5.3)]. In clinical trials, platelet counts generally increased within 1 to 2 weeks after starting PROMACTA and decreased within 1 to 2 weeks after discontinuing PROMACTA [see Clinical Studies (14.1)].

**Initial Dose Regimen: Adult and Pediatric Patients 6 Years and Older with ITP:**  
Initiate PROMACTA at a dose of 50 mg once daily, except in patients who are of East Asian

35     ancestry (such as Chinese, Japanese, Taiwanese, or Korean) or who have mild to severe hepatic  
36     impairment (Child-Pugh Class A, B, C).

37         For patients of East Asian ancestry with ITP, initiate PROMACTA at a reduced dose of  
38         25 mg once daily [*see Use in Specific Populations (8.8), Clinical Pharmacology (12.3)*].

39         For patients with ITP and mild, moderate, or severe hepatic impairment (Child-Pugh  
40         Class A, B, C), initiate PROMACTA at a reduced dose of 25 mg once daily [*see Use in Specific  
41         Populations (8.6), Clinical Pharmacology (12.3)*].

42         For patients of East Asian ancestry with ITP and hepatic impairment (Child-Pugh Class  
43         A, B, C), consider initiating PROMACTA at a reduced dose of 12.5 mg once daily [*see Clinical  
44         Pharmacology (12.3)*].

45         **Pediatric Patients with ITP Aged 1 to 5 Years:** Initiate PROMACTA at a dose of  
46         25 mg once daily [*see Use in Specific Populations (8.8), Clinical Pharmacology (12.3)*].

47         **Monitoring and Dose Adjustment:** After initiating PROMACTA, adjust the dose to  
48         achieve and maintain a platelet count greater than or equal to  $50 \times 10^9/L$  as necessary to reduce  
49         the risk for bleeding. Do not exceed a dose of 75 mg daily. Monitor clinical hematology and liver  
50         tests regularly throughout therapy with PROMACTA and modify the dosage regimen of  
51         PROMACTA based on platelet counts as outlined in Table 1. During therapy with PROMACTA,  
52         assess CBCs with differentials, including platelet counts, weekly until a stable platelet count has  
53         been achieved. Obtain CBCs with differentials, including platelet counts, monthly thereafter.

54         When switching between the oral suspension and tablet, assess platelet counts weekly for  
55         2 weeks, and then follow standard monthly monitoring.

56

57      **Table 1. Dose Adjustments of PROMACTA in Patients with Chronic Immune (Idiopathic)**  
58      **Thrombocytopenia**

<b>Platelet Count Result</b>	<b>Dose Adjustment or Response</b>
<50 x 10 <sup>9</sup> /L following at least 2 weeks of PROMACTA	Increase daily dose by 25 mg to a maximum of 75 mg/day. For patients taking 12.5 mg once daily, increase the dose to 25 mg daily before increasing the dose amount by 25 mg.
≥200 x 10 <sup>9</sup> /L to ≤400 x 10 <sup>9</sup> /L at any time	Decrease the daily dose by 25 mg. Wait 2 weeks to assess the effects of this and any subsequent dose adjustments. For patients taking 25 mg once daily, decrease the dose to 12.5 mg once daily.
>400 x 10 <sup>9</sup> /L	Stop PROMACTA; increase the frequency of platelet monitoring to twice weekly. Once the platelet count is <150 x 10 <sup>9</sup> /L, reinitiate therapy at a daily dose reduced by 25 mg. For patients taking 25 mg once daily, reinitiate therapy at a daily dose of 12.5 mg.
>400 x 10 <sup>9</sup> /L after 2 weeks of therapy at lowest dose of PROMACTA	Discontinue PROMACTA.

59

60      In patients with ITP and hepatic impairment (Child-Pugh Class A, B, C), after initiating  
61      PROMACTA or after any subsequent dosing increase, wait 3 weeks before increasing the dose.

62      Modify the dosage regimen of concomitant ITP medications, as medically appropriate, to  
63      avoid excessive increases in platelet counts during therapy with PROMACTA. Do not administer  
64      more than one dose of PROMACTA within any 24-hour period.

65      **Discontinuation:** Discontinue PROMACTA if the platelet count does not increase to a  
66      level sufficient to avoid clinically important bleeding after 4 weeks of therapy with  
67      PROMACTA at the maximum daily dose of 75 mg. Excessive platelet count responses, as  
68      outlined in Table 1, or important liver test abnormalities also necessitate discontinuation of  
69      PROMACTA [*see Warnings and Precautions (5.2)*]. Obtain CBCs with differentials, including  
70      platelet counts, weekly for at least 4 weeks following discontinuation of PROMACTA.

71      **2.2 Chronic Hepatitis C-associated Thrombocytopenia**

72      Use the lowest dose of PROMACTA to achieve and maintain a platelet count necessary  
73      to initiate and maintain antiviral therapy with pegylated interferon and ribavirin. Dose  
74      adjustments are based upon the platelet count response. Do not use PROMACTA to normalize

75 platelet counts [see *Warnings and Precautions (5.3)*]. In clinical trials, platelet counts generally  
76 began to rise within the first week of treatment with PROMACTA [see *Clinical Studies (14.2)*].

77     **Initial Dose Regimen:** Initiate PROMACTA at a dose of 25 mg once daily.

78     **Monitoring and Dose Adjustment:** Adjust the dose of PROMACTA in 25-mg  
79 increments every 2 weeks as necessary to achieve the target platelet count required to initiate  
80 antiviral therapy. Monitor platelet counts every week prior to starting antiviral therapy.

81     During antiviral therapy, adjust the dose of PROMACTA to avoid dose reductions of  
82 peginterferon. Monitor CBCs with differentials, including platelet counts, weekly during  
83 antiviral therapy until a stable platelet count is achieved. Monitor platelet counts monthly  
84 thereafter. Do not exceed a dose of 100 mg daily. Monitor clinical hematology and liver tests  
85 regularly throughout therapy with PROMACTA.

86     For specific dosage instructions for peginterferon or ribavirin, refer to their respective  
87 prescribing information.

88  
89     **Table 2. Dose Adjustments of PROMACTA in Adults with Thrombocytopenia due to  
90 Chronic Hepatitis C**

<b>Platelet Count Result</b>	<b>Dose Adjustment or Response</b>
<50 x 10 <sup>9</sup> /L following at least 2 weeks of PROMACTA	Increase daily dose by 25 mg to a maximum of 100 mg/day.
≥200 x 10 <sup>9</sup> /L to ≤400 x 10 <sup>9</sup> /L at any time	Decrease the daily dose by 25 mg.  Wait 2 weeks to assess the effects of this and any subsequent dose adjustments.
>400 x 10 <sup>9</sup> /L	Stop PROMACTA; increase the frequency of platelet monitoring to twice weekly.  Once the platelet count is <150 x 10 <sup>9</sup> /L, reinitiate therapy at a daily dose reduced by 25 mg.  For patients taking 25 mg once daily, reinitiate therapy at a daily dose of 12.5 mg.
>400 x 10 <sup>9</sup> /L after 2 weeks of therapy at lowest dose of PROMACTA	Discontinue PROMACTA.

91  
92     **Discontinuation:** The prescribing information for pegylated interferon and ribavirin  
93 include recommendations for antiviral treatment discontinuation for treatment futility. Refer to  
94 pegylated interferon and ribavirin prescribing information for discontinuation recommendations  
95 for antiviral treatment futility.

96     PROMACTA should be discontinued when antiviral therapy is discontinued. Excessive  
97 platelet count responses, as outlined in Table 2, or important liver test abnormalities also  
98 necessitate discontinuation of PROMACTA [see *Warnings and Precautions (5.2)*].

99      **2.3 Severe Aplastic Anemia**

100     Use the lowest dose of PROMACTA to achieve and maintain a hematologic response.  
101     Dose adjustments are based upon the platelet count. Hematologic response requires dose  
102     titration, generally up to 150 mg, and may take up to 16 weeks after starting PROMACTA [see  
103     *Clinical Studies (14.3)*].

104     **Initial Dose Regimen:** Initiate PROMACTA at a dose of 50 mg once daily.

105     For patients with severe aplastic anemia of East Asian ancestry or those with mild,  
106     moderate, or severe hepatic impairment (Child-Pugh Class A, B, C), initiate PROMACTA at a  
107     reduced dose of 25 mg once daily [see *Use in Specific Populations (8.6, 8.8), Clinical*  
108     *Pharmacology (12.3)*].

109     **Monitoring and Dose Adjustment:** Adjust the dose of PROMACTA in 50-mg  
110     increments every 2 weeks as necessary to achieve the target platelet count greater than or equal  
111     to  $50 \times 10^9/L$  as necessary. Do not exceed a dose of 150 mg daily. Monitor clinical hematology  
112     and liver tests regularly throughout therapy with PROMACTA and modify the dosage regimen  
113     of PROMACTA based on platelet counts as outlined in Table 3.

114     **Table 3. Dose Adjustments of PROMACTA in Patients with Severe Aplastic Anemia**

<b>Platelet Count Result</b>	<b>Dose Adjustment or Response</b>
<50 $\times 10^9/L$ following at least 2 weeks of PROMACTA	Increase daily dose by 50 mg to a maximum of 150 mg/day. For patients taking 25 mg once daily, increase the dose to 50 mg daily before increasing the dose amount by 50 mg.
$\geq 200 \times 10^9/L$ to $\leq 400 \times 10^9/L$ at any time	Decrease the daily dose by 50 mg. Wait 2 weeks to assess the effects of this and any subsequent dose adjustments.
$>400 \times 10^9/L$	Stop PROMACTA for 1 week. Once the platelet count is $<150 \times 10^9/L$ , reinitiate therapy at a dose reduced by 50 mg.
$>400 \times 10^9/L$ after 2 weeks of therapy at lowest dose of PROMACTA	Discontinue PROMACTA.

116     For patients who achieve tri-lineage response, including transfusion independence,  
117     lasting at least 8 weeks: the dose of PROMACTA may be reduced by 50% [see *Clinical Studies*  
118     *(14.3)*]. If counts remain stable after 8 weeks at the reduced dose, then discontinue PROMACTA  
119     and monitor blood counts. If platelet counts drop to less than  $30 \times 10^9/L$ , hemoglobin to less than  
120     9 g/dL, or ANC to less than  $0.5 \times 10^9/L$ , PROMACTA may be reinitiated at the previous  
121     effective dose.

123     **Discontinuation:** If no hematologic response has occurred after 16 weeks of therapy with  
124     PROMACTA, discontinue therapy. If new cytogenetic abnormalities are observed, consider  
125     discontinuation of PROMACTA [see *Adverse Reactions (6.1)*]. Excessive platelet count

126 responses (as outlined in Table 3) or important liver test abnormalities also necessitate  
127 discontinuation of PROMACTA [see *Warnings and Precautions* (5.2)].

128 **2.4 Administration**

129 **Preparation of the Oral Suspension:** Prior to use of the oral suspension, ensure  
130 patients or caregivers receive training on proper dosing, preparation, and administration of  
131 PROMACTA for oral suspension.

132 Administer the oral suspension immediately after preparation. **Discard any suspension**  
133 **not administered within 30 minutes after preparation.**

134 Prepare the suspension with water only. NOTE: Do not use hot water to prepare the  
135 suspension.

136 For details on preparation and administration of the suspension, see **Instructions for Use**.

137 **Administration of Tablets and Oral Suspension:** Take PROMACTA on an empty  
138 stomach (1 hour before or 2 hours after a meal) [see *Clinical Pharmacology* (12.3)]. Take  
139 PROMACTA at least 2 hours before or 4 hours after other medications (e.g., antacids), calcium-  
140 rich foods (e.g., dairy products and calcium-fortified juices), or supplements containing  
141 polyvalent cations such as iron, calcium, aluminum, magnesium, selenium, and zinc [see *Drug*  
142 *Interactions* (7.1), *Clinical Pharmacology* (12.3)].

143 Do not crush tablets and mix with food or liquids.

144 Prepare the oral suspension with water only.

145 **3 DOSAGE FORMS AND STRENGTHS**

146 **3.1 Tablets**

- 147 • 12.5-mg tablets — round, biconvex, white, film-coated tablets debossed with GS MZ1 and  
148 12.5 on one side. Each tablet, for oral administration, contains eltrombopag olamine,  
149 equivalent to 12.5 mg of eltrombopag free acid.
- 150 • 25-mg tablets — round, biconvex, orange, film-coated tablets debossed with GS NX3 and  
151 25 on one side. Each tablet, for oral administration, contains eltrombopag olamine,  
152 equivalent to 25 mg of eltrombopag free acid.
- 153 • 50-mg tablets — round, biconvex, blue, film-coated tablets debossed with GS UFU and  
154 50 on one side. Each tablet, for oral administration, contains eltrombopag olamine,  
155 equivalent to 50 mg of eltrombopag free acid.
- 156 • 75-mg tablets — round, biconvex, pink, film-coated tablets debossed with GS FFS and 75 on  
157 one side. Each tablet, for oral administration, contains eltrombopag olamine, equivalent to  
158 75 mg of eltrombopag free acid.
- 159 • 100-mg tablets — round, biconvex, green, film-coated tablets debossed with GS 1L5. Each  
160 tablet, for oral administration, contains eltrombopag olamine, equivalent to 100 mg of  
161 eltrombopag free acid.

162 **3.2 For Oral Suspension**

163 25-mg packet — contains a reddish-brown to yellow powder for reconstitution.

164   **4 CONTRAINDICATIONS**

165   None.

166   **5 WARNINGS AND PRECAUTIONS**

167   **5.1 Hepatic Decompensation in Patients with Chronic Hepatitis C**

168   In patients with chronic hepatitis C, PROMACTA in combination with interferon and  
169   ribavirin may increase the risk of hepatic decompensation. In two controlled clinical trials in  
170   patients with chronic hepatitis C and thrombocytopenia, ascites and encephalopathy occurred  
171   more frequently on the arm receiving treatment with PROMACTA plus antivirals (7%) than the  
172   placebo plus antivirals arm (4%). Patients with low albumin levels (less than 3.5 g/dL) or Model  
173   for End-Stage Liver Disease (MELD) score greater than or equal to 10 at baseline had a greater  
174   risk for hepatic decompensation on the arm receiving treatment with PROMACTA plus  
175   antivirals. Discontinue PROMACTA if antiviral therapy is discontinued.

176   **5.2 Hepatotoxicity**

177   PROMACTA can cause liver enzyme elevations [*see Adverse Reactions (6.1)*]. Measure  
178   serum ALT, AST, and bilirubin prior to initiation of PROMACTA, every 2 weeks during the  
179   dose adjustment phase, and monthly following establishment of a stable dose. PROMACTA  
180   inhibits UDP-glucuronosyltransferase (UGT)1A1 and organic anion-transporting polypeptide  
181   (OATP)1B1, which may lead to indirect hyperbilirubinemia. If bilirubin is elevated, perform  
182   fractionation. Evaluate abnormal serum liver tests with repeat testing within 3 to 5 days. If the  
183   abnormalities are confirmed, monitor serum liver tests weekly until resolved or stabilized.  
184   Discontinue PROMACTA if ALT levels increase to greater than or equal to 3 x ULN in patients  
185   with normal liver function or greater than or equal to 3 x baseline in patients with pre-treatment  
186   elevations in transaminases and are:

- 187   • progressively increasing, or
- 188   • persistent for greater than or equal to 4 weeks, or
- 189   • accompanied by increased direct bilirubin, or
- 190   • accompanied by clinical symptoms of liver injury or evidence for hepatic decompensation.

191   If the potential benefit for reinitiating treatment with PROMACTA is considered to  
192   outweigh the risk for hepatotoxicity, then consider cautiously reintroducing PROMACTA and  
193   measure serum liver tests weekly during the dose adjustment phase. Hepatotoxicity may reoccur  
194   if PROMACTA is reinitiated. If liver test abnormalities persist, worsen, or recur, then  
195   permanently discontinue PROMACTA.

196   **5.3 Thrombotic/Thromboembolic Complications**

197   In two controlled clinical trials in patients with chronic hepatitis C and  
198   thrombocytopenia, 3% (31/955) treated with PROMACTA experienced a thrombotic event  
199   compared with 1% (5/484) on placebo. The majority of events were of the portal venous system  
200   (1% in patients treated with PROMACTA versus less than 1% for placebo).

201 Thrombotic/thromboembolic complications may result from increases in platelet counts  
202 with PROMACTA. Reported thrombotic/thromboembolic complications included both venous  
203 and arterial events and were observed at low and at normal platelet counts.

204 Consider the potential for an increased risk of thromboembolism when administering  
205 PROMACTA to patients with known risk factors for thromboembolism (e.g., Factor V Leiden,  
206 ATIII deficiency, antiphospholipid syndrome, chronic liver disease). To minimize the risk for  
207 thrombotic/thromboembolic complications, do not use PROMACTA in an attempt to normalize  
208 platelet counts. Follow the dose adjustment guidelines to achieve and maintain target platelet  
209 counts [*see Dosage and Administration (2.1, 2.2, 2.3)*].

210 In a controlled trial in patients with chronic liver disease and thrombocytopenia not  
211 related to ITP undergoing elective invasive procedures (N = 292), the risk of thrombotic events  
212 was increased in patients treated with 75 mg of PROMACTA once daily. Seven thrombotic  
213 complications (six patients) were reported in the group that received PROMACTA and three  
214 thrombotic complications were reported in the placebo group (two patients). All of the  
215 thrombotic complications reported in the group that received PROMACTA were portal vein  
216 thrombosis (PVT). Symptoms of PVT included abdominal pain, nausea, vomiting, and diarrhea.  
217 Five of the six patients in the group that received PROMACTA experienced a thrombotic  
218 complication within 30 days of completing treatment with PROMACTA and at a platelet count  
219 above  $200 \times 10^9/L$ . The risk of portal venous thrombosis was increased in thrombocytopenic  
220 patients with chronic liver disease treated with 75 mg of PROMACTA once daily for 2 weeks in  
221 preparation for invasive procedures.

#### **222 5.4 Cataracts**

223 In the three controlled clinical trials in adults with chronic ITP, cataracts developed or  
224 worsened in 15 (7%) patients who received 50 mg of PROMACTA daily and 8 (7%) placebo-  
225 group patients. In the extension trial, cataracts developed or worsened in 4% of patients who  
226 underwent ocular examination prior to therapy with PROMACTA. In the two controlled clinical  
227 trials in patients with chronic hepatitis C and thrombocytopenia, cataracts developed or worsened  
228 in 8% of patients treated with PROMACTA and 5% of patients treated with placebo.

229 Cataracts were observed in toxicology studies of eltrombopag in rodents [*see Nonclinical  
230 Toxicology (13.2)*]. Perform a baseline ocular examination prior to administration of  
231 PROMACTA and, during therapy with PROMACTA, regularly monitor patients for signs and  
232 symptoms of cataracts.

### **233 6 ADVERSE REACTIONS**

234 The following serious adverse reactions associated with PROMACTA are described in  
235 other sections.

- 236 • Hepatic Decompensation in Patients with Chronic Hepatitis C [*see Warnings and  
237 Precautions (5.1)*]
- 238 • Hepatotoxicity [*see Warnings and Precautions (5.2)*]
- 239 • Thrombotic/Thromboembolic Complications [*see Warnings and Precautions (5.3)*]

240 • Cataracts [see *Warnings and Precautions (5.4)*]

241 **6.1 Clinical Trials Experience**

242 Because clinical trials are conducted under widely varying conditions, adverse reaction  
243 rates observed in the clinical trials of a drug cannot be directly compared with rates in the  
244 clinical trials of another drug and may not reflect the rates observed in practice.

245 **Chronic Immune (Idiopathic) Thrombocytopenia: Adults:** In clinical trials,  
246 hemorrhage was the most common serious adverse reaction and most hemorrhagic reactions  
247 followed discontinuation of PROMACTA. Other serious adverse reactions included  
248 thrombotic/thromboembolic complications [see *Warnings and Precautions (5.3)*]. The data  
249 described below reflect exposure of PROMACTA to 446 patients with chronic ITP aged 18 to  
250 85 years, of whom 65% were female, across the ITP clinical development program including  
251 three placebo-controlled trials. PROMACTA was administered to 277 patients for at least  
252 6 months and 202 patients for at least 1 year.

253 Table 4 presents the most common adverse drug reactions (experienced by greater than or  
254 equal to 3% of patients receiving PROMACTA) from the three placebo-controlled trials, with a  
255 higher incidence in PROMACTA versus placebo.

256

257 **Table 4. Adverse Reactions (≥3%) from Three Placebo-controlled Trials in Adults with**  
258 **Chronic Immune (Idiopathic) Thrombocytopenia**

Adverse Reaction	PROMACTA 50 mg n = 241 (%)	Placebo n = 128 (%)
Nausea	9	3
Diarrhea	9	7
Upper respiratory tract infection	7	6
Vomiting	6	<1
Increased ALT	5	3
Myalgia	5	2
Urinary tract infection	5	3
Oropharyngeal pain	4	3
Increased AST	4	2
Pharyngitis	4	2
Back pain	3	2
Influenza	3	2
Paresthesia	3	2
Rash	3	2

259

260 In the three controlled clinical chronic ITP trials, alopecia, musculoskeletal pain, blood  
261 alkaline phosphatase increased, and dry mouth were the adverse reactions reported in 2% of  
262 patients treated with PROMACTA and in no patients who received placebo.

263 Among 299 patients with chronic ITP who received PROMACTA in the single-arm  
264 extension trial, the adverse reactions occurred in a pattern similar to that seen in the placebo-  
265 controlled trials. Table 5 presents the most common treatment-related adverse reactions  
266 (experienced by greater than or equal to 3% of patients receiving PROMACTA) from the  
267 extension trial.

268

269 **Table 5. Treatment-related Adverse Reactions ( $\geq 3\%$ ) from Extension Trial in Adults with  
270 Chronic Immune (Idiopathic) Thrombocytopenia**

Adverse Reaction	PROMACTA 50 mg n = 299 (%)
Headache	10
Hyperbilirubinemia	6
ALT increased	6
Cataract	5
AST increased	4
Fatigue	4
Nausea	4

271

272 In the three controlled chronic ITP trials, serum liver test abnormalities (predominantly  
273 Grade 2 or less in severity) were reported in 11% and 7% of patients for PROMACTA and  
274 placebo, respectively. Four patients (1%) treated with PROMACTA and three patients in the  
275 placebo group (2%) discontinued treatment due to hepatobiliary laboratory abnormalities. Seven  
276 of the patients treated with PROMACTA in the controlled trials with hepatobiliary laboratory  
277 abnormalities were re-exposed to PROMACTA in the extension trial. Six of these patients again  
278 experienced liver test abnormalities (predominantly Grade 1) resulting in discontinuation of  
279 PROMACTA in one patient. In the extension chronic ITP trial, one additional patient had  
280 PROMACTA discontinued due to liver test abnormalities (less than or equal to Grade 3).

281 In a placebo-controlled trial of PROMACTA in patients with chronic liver disease and  
282 thrombocytopenia not related to ITP, six patients treated with PROMACTA and one patient in  
283 the placebo group developed portal vein thromboses [see *Warnings and Precautions (5.3)*].

284 **Pediatric Patients:** The data described below reflect median exposure to PROMACTA  
285 of 91 days for 107 pediatric patients (aged 1 to 17 years) with chronic ITP, of whom 53% were  
286 female, across the randomized phase of two placebo-controlled trials.

287 Table 6 presents the most common adverse drug reactions (experienced by greater than or  
288 equal to 3% of pediatric patients 1 year and older receiving PROMACTA) across the two  
289 placebo-controlled trials, with a higher incidence for PROMACTA versus placebo.

290

291 **Table 6. Adverse Reactions ( $\geq 3\%$ ) with a Higher Incidence for PROMACTA versus**  
292 **Placebo from Two Placebo-controlled Trials in Pediatric Patients 1 Year and Older with**  
293 **Chronic Immune (Idiopathic) Thrombocytopenia**

Adverse Reaction	PROMACTA <i>n</i> = 107 (%)	Placebo <i>n</i> = 50 (%)
Upper respiratory tract infection	17	6
Nasopharyngitis	12	4
Cough	9	0
Diarrhea	9	2
Pyrexia	9	8
Rhinitis	9	6
Abdominal pain	8	4
Oropharyngeal pain	8	2
Toothache	6	0
ALT increased <sup>a</sup>	6	0
Rash	5	2
AST increased	4	0
Rhinorrhea	4	0

294

<sup>a</sup> Includes adverse reactions or laboratory abnormalities  $>3 \times$  ULN.

295

296 **Chronic Hepatitis C-associated Thrombocytopenia:** In the two placebo-controlled  
297 trials, 955 patients with chronic hepatitis C-associated thrombocytopenia received PROMACTA.  
298 Table 7 presents the most common adverse drug reactions (experienced by greater than or equal  
299 to 10% of patients receiving PROMACTA compared with placebo).

300

301      **Table 7. Adverse Reactions ( $\geq 10\%$  and Greater than Placebo) from Two Placebo-  
302      controlled Trials in Adults with Chronic Hepatitis C**

Adverse Reaction	PROMACTA + Peginterferon/Ribavirin <i>n = 955</i> (%)	Placebo + Peginterferon/Ribavirin <i>n = 484</i> (%)
Anemia	40	35
Pyrexia	30	24
Fatigue	28	23
Headache	21	20
Nausea	19	14
Diarrhea	19	11
Decreased appetite	18	14
Influenza-like illness	18	16
Asthenia	16	13
Insomnia	16	15
Cough	15	12
Pruritus	15	13
Chills	14	9
Myalgia	12	10
Alopecia	10	6
Peripheral edema	10	5

303  
304      In the two controlled clinical trials in patients with chronic hepatitis C,  
305      hyperbilirubinemia was reported in 8% of patients receiving PROMACTA compared with 3%  
306      for placebo. Total bilirubin greater than or equal to  $1.5 \times$  ULN was reported in 76% and 50% of  
307      patients receiving PROMACTA and placebo, respectively. ALT or AST greater than or equal to  
308       $3 \times$  ULN was reported in 34% and 38% of patients for PROMACTA and placebo, respectively.

309      **Severe Aplastic Anemia:** In the single-arm, open-label trial, 43 patients with severe  
310      aplastic anemia received PROMACTA. Eleven patients (26%) were treated for greater than  
311      6 months and 7 patients (16%) were treated for greater than 1 year. The most common adverse  
312      reactions (greater than or equal to 20%) were nausea, fatigue, cough, diarrhea, and headache.  
313

314      **Table 8. Adverse Reactions ( $\geq 10\%$ ) from One Open-label Trial in Adults with Severe  
315      Aplastic Anemia**

Adverse Reaction	PROMACTA (n = 43) (%)
Nausea	33
Fatigue	28
Cough	23
Diarrhea	21
Headache	21
Pain in extremity	19
Dyspnea	14
Pyrexia	14
Dizziness	14
Oropharyngeal pain	14
Febrile neutropenia	14
Abdominal pain	12
Ecchymosis	12
Muscle spasms	12
Transaminases increased	12
Arthralgia	12
Rhinorrhea	12

316  
317      In this trial, patients had bone marrow aspirates evaluated for cytogenetic abnormalities.  
318      Eight patients had a new cytogenetic abnormality reported on therapy, including 5 patients who  
319      had complex changes in chromosome 7.

320      **6.2 Postmarketing Experience**

321      The following adverse reactions have been identified during post approval use of  
322      PROMACTA. Because these reactions are reported voluntarily from a population of uncertain  
323      size, it is not always possible to reliably estimate the frequency or establish a causal relationship  
324      to drug exposure.

325      **Vascular Disorders:** Thrombotic microangiopathy with acute renal failure.

326      **7 DRUG INTERACTIONS**

327      *In vitro*, CYP1A2, CYP2C8, UGT1A1, and UGT1A3 are involved in the metabolism of  
328      eltrombopag. *In vitro*, eltrombopag inhibits the following metabolic or transporter systems:  
329      CYP2C8, CYP2C9, UGT1A1, UGT1A3, UGT1A4, UGT1A6, UGT1A9, UGT2B7, UGT2B15,  
330      OATP1B1, and breast cancer resistance protein (BCRP) [see Clinical Pharmacology (12.3)].

331   **7.1 Polyalvalent Cations (Chelation)**

332   Eltrombopag chelates polyvalent cations (such as iron, calcium, aluminum, magnesium,  
333   selenium, and zinc) in foods, mineral supplements, and antacids. In a clinical trial, administration  
334   of PROMACTA with a polyvalent cation-containing antacid decreased plasma eltrombopag  
335   systemic exposure by approximately 70% [*see Clinical Pharmacology (12.3)*].

336   Take PROMACTA at least 2 hours before or 4 hours after any medications or products  
337   containing polyvalent cations such as antacids, dairy products, and mineral supplements to avoid  
338   significant reduction in absorption of PROMACTA due to chelation [*see Dosage and*  
339   *Administration (2.4), Clinical Pharmacology (12.3)*].

340   **7.2 Transporters**

341   Coadministration of PROMACTA with the OATP1B1 and BCRP substrate, rosuvastatin,  
342   to healthy adult subjects increased plasma rosuvastatin AUC<sub>0-∞</sub> by 55% and C<sub>max</sub> by 103% [*see*  
343   *Clinical Pharmacology (12.3)*].

344   Use caution when concomitantly administering PROMACTA and drugs that are  
345   substrates of OATP1B1 (e.g., atorvastatin, bosentan, ezetimibe, fluvastatin, glyburide,  
346   olmesartan, pitavastatin, pravastatin, rosuvastatin, repaglinide, rifampin, simvastatin acid, SN-38  
347   [active metabolite of irinotecan], valsartan) or BCRP (e.g., imatinib, irinotecan, lapatinib,  
348   methotrexate, mitoxantrone, rosuvastatin, sulfasalazine, topotecan). Monitor patients closely for  
349   signs and symptoms of excessive exposure to the drugs that are substrates of OATP1B1 or  
350   BCRP and consider reduction of the dose of these drugs, if appropriate. In clinical trials with  
351   PROACTA, a dose reduction of rosuvastatin by 50% was recommended.

352   **7.3 Protease Inhibitors**

353   HIV Protease Inhibitors: In a drug interaction trial, coadministration of PROMACTA  
354   with lopinavir/ritonavir (LPV/RTV) decreased plasma eltrombopag exposure by 17% [*see*  
355   *Clinical Pharmacology (12.3)*]. No dose adjustment is recommended when PROMACTA is  
356   coadministered with LPV/RTV. Drug interactions with other HIV protease inhibitors have not  
357   been evaluated.

358   Hepatitis C Virus (HCV) Protease Inhibitors: Coadministration of PROMACTA with  
359   either boceprevir or telaprevir did not affect eltrombopag or protease inhibitor exposure  
360   significantly [*see Clinical Pharmacology (12.3)*]. No dose adjustments are recommended. Drug  
361   interactions with other HCV protease inhibitors have not been evaluated.

362   **7.4 Peginterferon alfa-2a/b Therapy**

363   Coadministration of peginterferon alfa-2a (PEGASYS<sup>®</sup>) or -2b (PEGINTRON<sup>®</sup>) did not  
364   affect eltrombopag exposure in two randomized, double-blind, placebo-controlled trials with  
365   adult patients with chronic hepatitis C [*see Clinical Pharmacology (12.3)*].

366   **8 USE IN SPECIFIC POPULATIONS**

367   **8.1 Pregnancy**

368   Pregnancy Category C

369        There are no adequate and well-controlled studies of eltrombopag use in pregnancy. In  
370 animal reproduction and developmental toxicity studies, there was evidence of embryolethality  
371 and reduced fetal weights at maternally toxic doses. PROMACTA should be used in pregnancy  
372 only if the potential benefit to the mother justifies the potential risk to the fetus.

373        In an early embryonic development study, female rats received oral eltrombopag at doses  
374 of 10, 20, or 60 mg/kg/day (0.8, 2, and 6 times, respectively, the human clinical exposure based  
375 on AUC in patients with ITP at 75 mg/day and 0.3, 1, and 3 times, respectively, the human  
376 clinical exposure based on AUC in patients with chronic hepatitis C at 100 mg/day). Increased  
377 pre- and post-implantation loss and reduced fetal weight were observed at the highest dose which  
378 also caused maternal toxicity.

379        Eltrombopag was administered orally to pregnant rats at 10, 20, or 60 mg/kg/day (0.8, 2,  
380 and 6 times, respectively, the human clinical exposure based on AUC in patients with ITP at  
381 75 mg/day and 0.3, 1, and 3 times, respectively, the human clinical exposure based on AUC in  
382 patients with chronic hepatitis C at 100 mg/day). Decreased fetal weights (6% to 7%) and a  
383 slight increase in the presence of cervical ribs were observed at the highest dose which also  
384 caused maternal toxicity. However, no evidence of major structural malformations was observed.

385        Pregnant rabbits were treated with oral eltrombopag doses of 30, 80, or 150 mg/kg/day  
386 (0.04, 0.3, and 0.5 times, respectively, the human clinical exposure based on AUC in patients  
387 with ITP at 75 mg/day and 0.02, 0.1, and 0.3 times, respectively, the human clinical exposure  
388 based on AUC in patients with chronic hepatitis C at 100 mg/day). No evidence of fetotoxicity,  
389 embryolethality, or teratogenicity was observed.

390        In a pre- and post-natal developmental toxicity study in pregnant rats (F0), no adverse  
391 effects on maternal reproductive function or on the development of the offspring (F1) were  
392 observed at doses up to 20 mg/kg/day (2 times the human clinical exposure based on AUC in  
393 patients with ITP at 75 mg/day and similar to the human clinical exposure based on AUC in  
394 patients with chronic hepatitis C at 100 mg/day). Eltrombopag was detected in the plasma of  
395 offspring (F1). The plasma concentrations in pups increased with dose following administration  
396 of drug to the F0 dams.

### 397        **8.3 Nursing Mothers**

398        It is not known whether eltrombopag is excreted in human milk. Because many drugs are  
399 excreted in human milk and because of the potential for serious adverse reactions in nursing  
400 infants from PROMACTA, a decision should be made whether to discontinue nursing or to  
401 discontinue PROMACTA taking into account the importance of PROMACTA to the mother.

### 402        **8.4 Pediatric Use**

403        The safety and efficacy of PROMACTA in pediatric patients 1 year and older with  
404 chronic ITP were evaluated in two double-blind, placebo-controlled trials [*see Adverse Reactions*  
405 (6.2), *Clinical Studies* (14.2)]. The pharmacokinetics of eltrombopag have been evaluated in 168  
406 pediatric patients 1 year and older with ITP dosed once daily [*see Clinical Pharmacology*  
407 (12.3)]. See *Dosage and Administration* (2.1) for dosing recommendations for pediatric patients

408 1 years and older. The safety and efficacy of PROMACTA in pediatric patients younger than  
409 1 year with ITP have not yet been established.

410 The safety and efficacy of PROMACTA in pediatric patients with thrombocytopenia  
411 associated with chronic hepatitis C and severe aplastic anemia have not been established.

412 **8.5 Geriatric Use**

413 Of the 106 patients in two randomized clinical trials of PROMACTA 50 mg in chronic  
414 ITP, 22% were 65 years of age and over, while 9% were 75 years of age and over. In the two  
415 randomized clinical trials of PROMACTA in patients with chronic hepatitis C and  
416 thrombocytopenia, 7% were 65 years of age and over, while fewer than 1% were 75 years of age  
417 and over. No overall differences in safety or effectiveness were observed between these patients  
418 and younger patients in the placebo-controlled trials, but greater sensitivity of some older  
419 individuals cannot be ruled out.

420 **8.6 Hepatic Impairment**

421 Hepatic impairment influences the exposure of PROMACTA [*see Clinical*  
422 *Pharmacology (12.3)*].

423 Reduce the initial dose of PROMACTA in patients with chronic ITP (adults and pediatric  
424 patients 6 years and older only) or severe aplastic anemia who also have hepatic impairment  
425 (Child-Pugh Class A, B, C) [*see Dosage and Administration (2.1, 2.3), Warnings and*  
426 *Precautions (5.2)*]. No dosage adjustment is necessary for patients with chronic hepatitis C and  
427 hepatic impairment [*see Clinical Pharmacology (12.3)*].

428 **8.7 Renal Impairment**

429 No adjustment in the initial dose of PROMACTA is needed for patients with renal  
430 impairment [*see Clinical Pharmacology (12.3)*]. Closely monitor patients with impaired renal  
431 function when administering PROMACTA.

432 **8.8 Ethnicity**

433 Patients of East Asian ethnicity (i.e., Japanese, Chinese, Taiwanese, and Korean) exhibit  
434 higher eltrombopag exposures. A reduction in the initial dose of PROMACTA is recommended  
435 for patients of East Asian ancestry with ITP (adult and pediatric patients 6 years and older only)  
436 or severe aplastic anemia [*see Dosage and Administration (2.1, 2.3)*]. No dose reduction is  
437 needed in patients of East Asian ethnicity with chronic hepatitis C [*see Clinical Pharmacology*  
438 *(12.3)*].

439 **10 OVERDOSAGE**

440 In the event of overdose, platelet counts may increase excessively and result in  
441 thrombotic/thromboembolic complications.

442 In one report, a subject who ingested 5,000 mg of PROMACTA had a platelet count  
443 increase to a maximum of  $929 \times 10^9/L$  at 13 days following the ingestion. The patient also  
444 experienced rash, bradycardia, ALT/AST elevations, and fatigue. The patient was treated with  
445 gastric lavage, oral lactulose, intravenous fluids, omeprazole, atropine, furosemide, calcium,

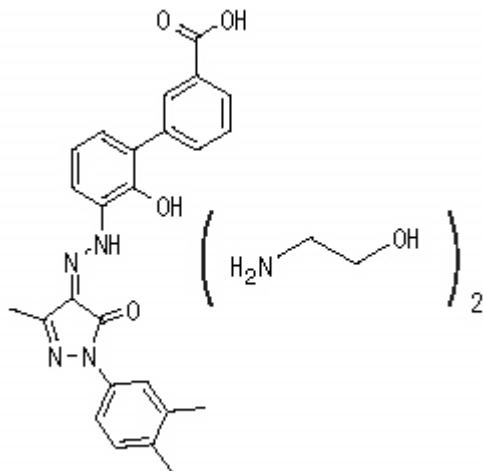
446 dexamethasone, and plasmapheresis; however, the abnormal platelet count and liver test  
447 abnormalities persisted for 3 weeks. After 2 months' follow-up, all events had resolved without  
448 sequelae.

449 In case of an overdose, consider oral administration of a metal cation-containing  
450 preparation, such as calcium, aluminum, or magnesium preparations to chelate eltrombopag and  
451 thus limit absorption. Closely monitor platelet counts. Reinitiate treatment with PROMACTA in  
452 accordance with dosing and administration recommendations [see *Dosage and Administration*  
453 (2.1, 2.2)].

454 **11 DESCRIPTION**

455 PROMACTA (eltrombopag) tablets contain eltrombopag olamine, a small molecule  
456 thrombopoietin (TPO) receptor agonist for oral administration. Eltrombopag interacts with the  
457 transmembrane domain of the TPO receptor (also known as cMpl) leading to increased platelet  
458 production.

459 Eltrombopag olamine is a biphenyl hydrazone. The chemical name for eltrombopag  
460 olamine is 3'-{(2Z)-2-[1-(3,4-dimethylphenyl)-3-methyl-5-oxo-1,5-dihydro-4H-pyrazol-4-  
461 ylidene]hydrazino}-2'-hydroxy-3-biphenylcarboxylic acid - 2-aminoethanol (1:2). It has the  
462 molecular formula C<sub>25</sub>H<sub>22</sub>N<sub>4</sub>O<sub>4</sub> • 2(C<sub>2</sub>H<sub>7</sub>NO). The molecular weight is 564.65 for eltrombopag  
463 olamine and 442.5 for eltrombopag free acid. Eltrombopag olamine has the following structural  
464 formula:



465  
466 Eltrombopag olamine is practically insoluble in aqueous buffer across a pH range of 1 to  
467 7.4, and is sparingly soluble in water.

468 PROMACTA (eltrombopag) tablets contain eltrombopag olamine in the amount  
469 equivalent to 12.5 mg, 25 mg, 50 mg, 75 mg, or 100 mg of eltrombopag free acid. The inactive  
470 ingredients of PROMACTA tablets are: **Tablet Core:** magnesium stearate, mannitol,  
471 microcrystalline cellulose, povidone, and sodium starch glycolate. **Coating:** hypromellose (12.5-  
472 mg, 25-mg, 50-mg, and 75-mg tablets) or polyvinyl alcohol and talc (100-mg tablet),  
473 polyethylene glycol 400, titanium dioxide, polysorbate 80 (12.5-mg tablet), FD&C Yellow No. 6  
474 aluminum lake (25-mg tablet), FD&C Blue No. 2 aluminum lake (50-mg tablet), Iron Oxide Red

475 and Iron Oxide Black (75-mg tablet), or Iron Oxide Yellow and Iron Oxide Black (100-mg  
476 tablet).

477 PROMACTA (eltrombopag) for oral suspension packets contain a reddish-brown to  
478 yellow powder which produces a reddish-brown suspension when reconstituted with water. Each  
479 25-mg packet delivers eltrombopag olamine equivalent to 25 mg of eltrombopag free acid. The  
480 inactive ingredients of PROMACTA for oral suspension are mannitol, sucralose, and xanthan  
481 gum.

## 482 **12 CLINICAL PHARMACOLOGY**

### 483 **12.1 Mechanism of Action**

484 Eltrombopag is an orally bioavailable, small-molecule TPO-receptor agonist that interacts  
485 with the transmembrane domain of the human TPO-receptor and initiates signaling cascades that  
486 induce proliferation and differentiation from bone marrow progenitor cells.

### 487 **12.3 Pharmacokinetics**

488 **Absorption:** Eltrombopag is absorbed with a peak concentration occurring 2 to 6 hours  
489 after oral administration. Based on urinary excretion and biotransformation products eliminated  
490 in feces, the oral absorption of drug-related material following administration of a single 75-mg  
491 solution dose was estimated to be at least 52%.

492 An open-label, randomized, crossover trial was conducted to assess the effect of food on  
493 the bioavailability of eltrombopag. A standard high-fat breakfast significantly decreased plasma  
494 eltrombopag  $AUC_{0-\infty}$  by approximately 59% and  $C_{max}$  by 65% and delayed  $T_{max}$  by 1 hour. The  
495 calcium content of this meal may have also contributed to this decrease in exposure.

496 In a second trial, administration of a single 25-mg dose of eltrombopag for oral  
497 suspension to adults with a high-calcium, moderate-fat, moderate-calorie meal reduced plasma  
498 eltrombopag  $AUC_{0-\infty}$  by 75% (90% CI: 71%, 88%) and  $C_{max}$  by 79% (90% CI: 76%, 82%).  
499 Administration of a single 25-mg dose of eltrombopag for oral suspension 2 hours after the high-  
500 calcium meal reduced plasma eltrombopag  $AUC_{0-\infty}$  by 47% (90% CI: 40%, 53%) and  $C_{max}$  by  
501 48% (90% CI: 40%, 54%). Administration of a single 25-mg dose of eltrombopag for oral  
502 suspension 2 hours before the high-calcium meal reduced plasma eltrombopag  $AUC_{0-\infty}$  by 20%  
503 (90% CI: 9%, 29%) and  $C_{max}$  by 14% (90% CI: 2%, 25%).

504 In a relative bioavailability trial in adults, the eltrombopag for oral suspension delivered  
505 22% higher plasma  $AUC_{0-\infty}$  than the tablet formulation.

506 **Distribution:** The concentration of eltrombopag in blood cells is approximately 50% to  
507 79% of plasma concentrations based on a radiolabel study. *In vitro* studies suggest that  
508 eltrombopag is highly bound to human plasma proteins (greater than 99%). Eltrombopag is a  
509 substrate of BCRP, but is not a substrate for P-glycoprotein (P-gp) or OATP1B1.

510 **Metabolism:** Absorbed eltrombopag is extensively metabolized, predominantly through  
511 pathways including cleavage, oxidation, and conjugation with glucuronic acid, glutathione, or  
512 cysteine. *In vitro* studies suggest that CYP1A2 and CYP2C8 are responsible for the oxidative

513 metabolism of eltrombopag. UGT1A1 and UGT1A3 are responsible for the glucuronidation of  
514 eltrombopag.

515       **Elimination:** The predominant route of eltrombopag excretion is via feces (59%), and  
516 31% of the dose is found in the urine. Unchanged eltrombopag in feces accounts for  
517 approximately 20% of the dose; unchanged eltrombopag is not detectable in urine. The plasma  
518 elimination half-life of eltrombopag is approximately 21 to 32 hours in healthy subjects and 26  
519 to 35 hours in patients with ITP.

520       **Drug Interactions: Polyvalent Cation-containing Antacids:** In a clinical trial,  
521 coadministration of 75 mg of PROMACTA with a polyvalent cation-containing antacid  
522 (1,524 mg aluminum hydroxide, 1,425 mg magnesium carbonate, and sodium alginate) to 26  
523 healthy adult subjects decreased plasma eltrombopag AUC<sub>0-∞</sub> and C<sub>max</sub> by approximately 70%.  
524 The contribution of sodium alginate to this interaction is not known.

525       **Cytochrome P450 Enzymes (CYPs):** In a clinical trial, PROMACTA 75 mg once  
526 daily was administered for 7 days to 24 healthy male subjects did not show inhibition or  
527 induction of the metabolism of a combination of probe substrates for CYP1A2 (caffeine),  
528 CYP2C19 (omeprazole), CYP2C9 (flurbiprofen), or CYP3A4 (midazolam) in humans. Probe  
529 substrates for CYP2C8 were not evaluated in this trial.

530       **Rosuvastatin:** In a clinical trial, coadministration of 75 mg of PROMACTA once daily  
531 for 5 days with a single 10-mg dose of the OATP1B1 and BCRP substrate, rosuvastatin to 39  
532 healthy adult subjects increased plasma rosuvastatin AUC<sub>0-∞</sub> by 55% and C<sub>max</sub> by 103%.

533       **Protease Inhibitors: HIV Protease Inhibitors:** In a clinical trial, coadministration of  
534 repeat-dose lopinavir 400 mg/ritonavir 100 mg twice daily with a single dose of PROMACTA  
535 100 mg to 40 healthy adult subjects decreased plasma eltrombopag AUC<sub>0-∞</sub> by 17%.

536       **HCV Protease Inhibitors:** In a clinical trial, coadministration of repeat-dose  
537 telaprevir 750 mg every 8 hours or boceprevir 800 mg every 8 hours with a single dose of  
538 PROMACTA 200 mg to healthy adult subjects did not alter plasma telaprevir, boceprevir, or  
539 eltrombopag AUC<sub>0-∞</sub> or C<sub>max</sub> to a significant extent.

540       **Pegylated Interferon alfa-2a + Ribavirin and Pegylated Interferon alfa-2b +**  
541 **Ribavirin:** The pharmacokinetics of eltrombopag in both the presence and absence of pegylated  
542 interferon alfa-2a and -2b therapy were evaluated using a population pharmacokinetic analysis in  
543 635 patients with chronic hepatitis C. The population PK model estimates of clearance indicate  
544 no significant difference in eltrombopag clearance in the presence of pegylated interferon alfa  
545 plus ribavirin therapy.

546       **In vitro Studies:** Eltrombopag is an inhibitor of CYP2C8 and CYP2C9 *in vitro*.  
547 Eltrombopag is an inhibitor of UGT1A1, UGT1A3, UGT1A4, UGT1A6, UGT1A9, UGT2B7,  
548 and UGT2B15 *in vitro*. Eltrombopag is an inhibitor of the organic anion transporting polypeptide  
549 OATP1B1 and BCRP *in vitro*.

550       **Specific Populations: Ethnicity:** Based on two population PK analyses of eltrombopag  
551 concentrations in patients with ITP or chronic hepatitis C, East Asian (i.e., Japanese, Chinese,

552 Taiwanese, Korean) subjects exhibited 50% to 55% higher eltrombopag plasma concentrations  
553 compared with non-East Asian subjects [see *Dosage and Administration* (2.1, 2.3)].

554 An approximately 40% higher systemic eltrombopag exposure in healthy African-  
555 American subjects was noted in at least one clinical pharmacology trial. The effect of African-  
556 American ethnicity on exposure and related safety and efficacy of eltrombopag has not been  
557 established.

558 **Hepatic Impairment:** In a pharmacokinetic trial, the disposition of a single 50-mg dose  
559 of PROMACTA in patients with mild, moderate, and severe hepatic impairment was compared  
560 with subjects with normal hepatic function. The degree of hepatic impairment was based on  
561 Child-Pugh score. Plasma eltrombopag  $AUC_{0-\infty}$  was 41% higher in patients with mild hepatic  
562 impairment (Child-Pugh Class A) compared with subjects with normal hepatic function. Plasma  
563 eltrombopag  $AUC_{0-\infty}$  was approximately 2-fold higher in patients with moderate (Child-Pugh  
564 Class B) and severe hepatic impairment (Child-Pugh Class C). The half-life of eltrombopag was  
565 prolonged 2-fold in these patients. This clinical trial did not evaluate protein-binding effects.

566 **Chronic Liver Disease:** A population PK analysis in thrombocytopenic patients with  
567 chronic liver disease following repeat doses of eltrombopag demonstrated that mild hepatic  
568 impairment resulted in an 87% to 110% higher plasma eltrombopag  $AUC_{(0-t)}$  and patients with  
569 moderate hepatic impairment had approximately 141% to 240% higher plasma eltrombopag  
570  $AUC_{(0-t)}$  values compared with patients with normal hepatic function. The half-life of  
571 eltrombopag was prolonged 3-fold in patients with mild hepatic impairment and 4-fold in  
572 patients with moderate hepatic impairment. This clinical trial did not evaluate protein-binding  
573 effects.

574 **Chronic Hepatitis C:** A population PK analysis in 28 healthy adults and 635 patients  
575 with chronic hepatitis C demonstrated that patients with chronic hepatitis C treated with  
576 PROMACTA had higher plasma  $AUC_{(0-t)}$  values as compared with healthy subjects, and  $AUC_{(0-t)}$   
577 increased with increasing Child-Pugh score. Patients with chronic hepatitis C and mild hepatic  
578 impairment had approximately 100% to 144% higher plasma  $AUC_{(0-t)}$  compared with healthy  
579 subjects. This clinical trial did not evaluate protein-binding effects.

580 **Renal Impairment:** The disposition of a single 50-mg dose of PROMACTA in patients  
581 with mild (creatinine clearance [CrCl] of 50 to 80 mL/min), moderate (CrCl of 30 to  
582 49 mL/min), and severe (CrCl less than 30 mL/min) renal impairment was compared with  
583 subjects with normal renal function. Average total plasma eltrombopag  $AUC_{0-\infty}$  was 32% to 36%  
584 lower in subjects with mild to moderate renal impairment and 60% lower in subjects with severe  
585 renal impairment compared with healthy subjects. The effect of renal impairment on unbound  
586 (active) eltrombopag exposure has not been assessed.

587 **Pediatric Patients:** The pharmacokinetics of eltrombopag have been evaluated in 168  
588 pediatric patients 1 year and older with ITP dosed once daily in two trials. Plasma eltrombopag  
589 apparent clearance following oral administration (CL/F) increased with increasing body weight.  
590 East Asian pediatric patients with ITP had approximately 43% higher plasma eltrombopag  
591  $AUC_{(0-t)}$  values as compared with non-East Asian patients.

592 Plasma eltrombopag AUC<sub>(0-τ)</sub> and C<sub>max</sub> in pediatric patients aged 12 to 17 years was  
593 similar to that observed in adults. The pharmacokinetic parameters of eltrombopag in pediatric  
594 patients with ITP are shown in Table 9.

595

596 **Table 9. Geometric Mean (95% CI) Steady-state Plasma Eltrombopag Pharmacokinetic  
597 Parameters<sup>a</sup> in Patients with ITP (Normalized to a Once-daily 50-mg Dose)**

Age	C <sub>max</sub> <sup>b</sup> (mcg/mL)	AUC <sub>(0-τ)</sub> <sup>b</sup> (mcg.h/mL)
Adults (n = 108)	7.03 (6.44, 7.68)	101 (91.4, 113)
12 to 17 years (n = 62)	6.80 (6.17, 7.50)	103 (91.1, 116)
6 to 11 years (n = 68)	10.3 (9.42, 11.2)	153 (137, 170)
1 to 5 years (n = 38)	11.6 (10.4, 12.9)	162 (139, 187)

598 <sup>a</sup> PK parameters presented as geometric mean (95% CI).

599 <sup>b</sup> Based on population PK post-hoc estimates.

600

## 601 **12.6 Assessment of Risk of QT/QTc Prolongation**

602 There is no indication of a QT/QTc prolonging effect of PROMACTA at doses up to  
603 150 mg daily for 5 days. The effects of PROMACTA at doses up to 150 mg daily for 5 days  
604 (supratherapeutic doses) on the QT/QTc interval were evaluated in a double-blind, randomized,  
605 placebo- and positive-controlled (moxifloxacin 400 mg, single oral dose) crossover trial in  
606 healthy adult subjects. Assay sensitivity was confirmed by significant QTc prolongation by  
607 moxifloxacin.

## 608 **13 NONCLINICAL TOXICOLOGY**

### 609 **13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility**

610 Eltrombopag does not stimulate platelet production in rats, mice, or dogs because of  
611 unique TPO receptor specificity. Data from these animals do not fully model effects in humans.

612 Eltrombopag was not carcinogenic in mice at doses up to 75 mg/kg/day or in rats at doses  
613 up to 40 mg/kg/day (exposures up to 4 times the human clinical exposure based on AUC in  
614 patients with ITP at 75 mg/day and 2 times the human clinical exposure based on AUC in  
615 patients with chronic hepatitis C at 100 mg/day).

616 Eltrombopag was not mutagenic or clastogenic in a bacterial mutation assay or in two *in*  
617 *vivo* assays in rats (micronucleus and unscheduled DNA synthesis, 10 times the human clinical  
618 exposure based on C<sub>max</sub> in patients with ITP at 75 mg/day and 7 times the human clinical  
619 exposure based on C<sub>max</sub> in patients with chronic hepatitis C at 100 mg/day). In the *in vitro* mouse

620 lymphoma assay, eltrombopag was marginally positive (less than 3-fold increase in mutation  
621 frequency).

622 Eltrombopag did not affect female fertility in rats at doses up to 20 mg/kg/day (2 times  
623 the human clinical exposure based on AUC in patients with ITP at 75 mg/day and similar to the  
624 human clinical exposure based on AUC in patients with chronic hepatitis C at 100 mg/day).  
625 Eltrombopag did not affect male fertility in rats at doses up to 40 mg/kg/day, the highest dose  
626 tested (3 times the human clinical exposure based on AUC in patients with ITP at 75 mg/day and  
627 2 times the human clinical exposure based on AUC in patients with chronic hepatitis C at  
628 100 mg/day).

### **629 13.2 Animal Pharmacology and/or Toxicology**

630 Eltrombopag is phototoxic *in vitro*. There was no evidence of *in vivo* cutaneous or ocular  
631 phototoxicity in rodents.

632 Treatment-related cataracts were detected in rodents in a dose- and time-dependent  
633 manner. At greater than or equal to 6 times the human clinical exposure based on AUC in  
634 patients with ITP at 75 mg/day and 3 times the human clinical exposure based on AUC in  
635 patients with chronic hepatitis C at 100 mg/day, cataracts were observed in mice after 6 weeks  
636 and in rats after 28 weeks of dosing. At greater than or equal to 4 times the human clinical  
637 exposure based on AUC in patients with ITP at 75 mg/day and 2 times the human clinical  
638 exposure based on AUC in patients with chronic hepatitis C at 100 mg/day, cataracts were  
639 observed in mice after 13 weeks and in rats after 39 weeks of dosing [see *Warnings and*  
640 *Precautions (5.4)*].

641 Renal tubular toxicity was observed in studies up to 14 days in duration in mice and rats  
642 at exposures that were generally associated with morbidity and mortality. Tubular toxicity was  
643 also observed in a 2-year oral carcinogenicity study in mice at doses of 25, 75, and  
644 150 mg/kg/day. The exposure at the lowest dose was 1.2 times the human clinical exposure  
645 based on AUC in patients with ITP at 75 mg/day and 0.6 times the human clinical exposure  
646 based on AUC in patients with chronic hepatitis C at 100 mg/day. No similar effects were  
647 observed in mice after 13 weeks at exposures greater than those associated with renal changes in  
648 the 2-year study, suggesting that this effect is both dose- and time-dependent.

## **649 14 CLINICAL STUDIES**

### **650 14.1 Chronic ITP**

651 Adults: The efficacy and safety of PROMACTA in adult patients with chronic ITP were  
652 evaluated in three randomized, double-blind, placebo-controlled trials and in an open-label  
653 extension trial.

654 ***Trials 1 and 2:*** In Trials 1 and 2, patients who had completed at least one prior ITP  
655 therapy and who had a platelet count less than  $30 \times 10^9/L$  were randomized to receive either  
656 PROMACTA or placebo daily for up to 6 weeks, followed by 6 weeks off therapy. During the  
657 trials, PROMACTA or placebo was discontinued if the platelet count exceeded  $200 \times 10^9/L$ .

658        The median age of the patients was 50 years and 60% were female. Approximately 70%  
659        of the patients had received at least 2 prior ITP therapies (predominantly corticosteroids,  
660        immunoglobulins, rituximab, cytotoxic therapies, danazol, and azathioprine) and 40% of the  
661        patients had undergone splenectomy. The median baseline platelet counts (approximately  
662         $18 \times 10^9/L$ ) were similar among all treatment groups.

663        Trial 1 randomized 114 patients (2:1) to PROMACTA 50 mg or placebo. Trial 2  
664        randomized 117 patients (1:1:1:1) among placebo or 1 of 3 dose regimens of PROMACTA,  
665        30 mg, 50 mg, or 75 mg each administered daily.

666        The efficacy of PROMACTA in this trial was evaluated by response rate, defined as a  
667        shift from a baseline platelet count of less than  $30 \times 10^9/L$  to greater than or equal to  $50 \times 10^9/L$   
668        at any time during the treatment period (Table 10).

670        **Table 10. Trials 1 and 2 Platelet Count Response ( $\geq 50 \times 10^9/L$ ) Rates in Adults with  
671        Chronic Immune (Idiopathic) Thrombocytopenia**

Trial	PROMACTA 50 mg Daily	Placebo
1	43/73 (59%) <sup>a</sup>	6/37 (16%)
2	19/27 (70%) <sup>a</sup>	3/27 (11%)

672        <sup>a</sup>  $P$  value <0.001 for PROMACTA versus placebo.

673

674        The platelet count response to PROMACTA was similar among patients who had or had  
675        not undergone splenectomy. In general, increases in platelet counts were detected 1 week  
676        following initiation of PROMACTA and the maximum response was observed after 2 weeks of  
677        therapy. In the placebo and 50-mg-dose groups of PROMACTA, the trial drug was discontinued  
678        due to an increase in platelet counts to greater than  $200 \times 10^9/L$  in 3% and 27% of the patients,  
679        respectively. The median duration of treatment with the 50-mg dose of PROMACTA was  
680        42 days in Trial 1 and 43 days in Trial 2.

681        Of 7 patients who underwent hemostatic challenges, additional ITP medications were  
682        required in 3 of 3 placebo group patients and 0 of 4 patients treated with PROMACTA. Surgical  
683        procedures accounted for most of the hemostatic challenges. Hemorrhage requiring transfusion  
684        occurred in one placebo group patient and no patients treated with PROMACTA.

685        *Trial 3:* In this trial, 197 patients were randomized (2:1) to receive either PROMACTA  
686        50 mg once daily ( $n = 135$ ) or placebo ( $n = 62$ ) for 6 months, during which time the dose of  
687        PROMACTA could be adjusted based on individual platelet counts. Patients were allowed to  
688        taper or discontinue concomitant ITP medications after being treated with PROMACTA for  
689        6 weeks. Patients were permitted to receive rescue treatments at any time during the trial as  
690        clinically indicated.

691        The median ages of the patients treated with PROMACTA and placebo were 47 years  
692        and 52.5 years, respectively. Approximately half of the patients treated with PROMACTA and  
693        placebo (47% and 50%, respectively) were receiving concomitant ITP medication

694 (predominantly corticosteroids) at randomization and had baseline platelet counts less than or  
695 equal to  $15 \times 10^9/L$  (50% and 48%, respectively). A similar percentage of patients treated with  
696 PROMACTA and placebo (37% and 34%, respectively) had a prior splenectomy.

697 The efficacy of PROMACTA in this trial was evaluated by the odds of achieving a  
698 platelet count greater than or equal to  $50 \times 10^9/L$  and less than or equal to  $400 \times 10^9/L$  for  
699 patients receiving PROMACTA relative to placebo and was based on patient response profiles  
700 throughout the 6-month treatment period. In 134 patients who completed 26 weeks of treatment,  
701 a sustained platelet response (platelet count greater than or equal to  $50 \times 10^9/L$  and less than or  
702 equal to  $400 \times 10^9/L$  for 6 out of the last 8 weeks of the 26-week treatment period in the absence  
703 of rescue medication at any time) was achieved by 60% of patients treated with PROMACTA,  
704 compared with 10% of patients treated with placebo (splenectomized patients: PROMACTA  
705 51%, placebo 8%; non-splenectomized patients: PROMACTA 66%, placebo 11%). The  
706 proportion of responders in the group of patients treated with PROMACTA was between 37%  
707 and 56% compared with 7% and 19% in the placebo treatment group for all on-therapy visits.  
708 Patients treated with PROMACTA were significantly more likely to achieve a platelet count  
709 between  $50 \times 10^9/L$  and  $400 \times 10^9/L$  during the entire 6-month treatment period compared with  
710 those patients treated with placebo.

711 Outcomes of treatment are presented in Table 11 for all patients enrolled in the trial.  
712

713 **Table 11. Outcomes of Treatment from Trial 3 in Adults with Chronic Immune  
714 (Idiopathic) Thrombocytopenia**

Outcome	PROMACTA N = 135	Placebo N = 62
Mean number of weeks with platelet counts $\geq 50 \times 10^9/L$	11.3	2.4
Requiring rescue therapy, n (%)	24 (18)	25 (40)

715  
716 Among 94 patients receiving other ITP therapy at baseline, 37 (59%) of 63 patients  
717 treated with PROMACTA and 10 (32%) of 31 patients in the placebo group discontinued  
718 concomitant therapy at some time during the trial.

719 *Extension Trial:* Patients who completed any prior clinical trial with PROMACTA were  
720 enrolled in an open-label, single-arm trial in which attempts were made to decrease the dose or  
721 eliminate the need for any concomitant ITP medications. PROMACTA was administered to  
722 299 patients; 249 completed 6 months, 210 patients completed 12 months, and 138 patients  
723 completed 24 months of therapy. The median baseline platelet count was  $19 \times 10^9/L$  prior to  
724 administration of PROMACTA.

725 Pediatric Patients: The efficacy and safety of PROMACTA in pediatric patients 1 year  
726 and older with chronic ITP were evaluated in two double-blind, placebo-controlled trials. The  
727 trials differed in time since ITP diagnosis: at least 6 months versus at least 12 months. During the  
728 trials, doses could be increased every 2 weeks to a maximum of 75 mg once daily. The dose of

729 PROMACTA was reduced if the platelet count exceeded  $200 \times 10^9/L$  and interrupted and  
730 reduced if it exceeded  $400 \times 10^9/L$ .

731 *Trial 4:* Patients refractory or relapsed to at least one prior ITP therapy with a platelet  
732 count less than  $30 \times 10^9/L$  ( $n = 92$ ) were stratified by age and randomized (2:1) to PROMACTA  
733 ( $n = 63$ ) or placebo ( $n = 29$ ). The starting dose for patients aged 6 to 17 years was 50 mg once  
734 daily for those at least 27 kg and 37.5 mg once daily for those less than 27 kg, administered as  
735 oral tablets. A reduced dose of 25 mg once daily was used for East Asian patients aged 6 to  
736 17 years regardless of weight. The starting dose for patients aged 1 to 5 years was 1.2 mg/kg  
737 once daily (0.8 mg/kg once daily for East Asian patients) administered as oral suspension.

738 The 13-week, randomized, double-blind period was followed by a 24-week, open-label  
739 period where patients from both arms were eligible to receive PROMACTA.

740 The median age of the patients was 9 years and 48% were female. Approximately 62% of  
741 patients had a baseline platelet count less than or equal to  $15 \times 10^9/L$ , a characteristic that was  
742 similar between treatment arms. The percentage of patients with at least 2 prior ITP therapies  
743 (predominantly corticosteroids and immunoglobulins) was 73% in the group treated with  
744 PROMACTA and 90% in the group treated with placebo. Four patients in the group treated with  
745 PROMACTA had undergone splenectomy.

746 The efficacy of PROMACTA in this trial was evaluated by the proportion of subjects on  
747 PROMACTA achieving platelet counts  $\geq 50 \times 10^9/L$  (in the absence of rescue therapy) for at least  
748 6 out of 8 weeks between Weeks 5 to 12 of the randomized, double-blind period (Table 12).

749

750 **Table 12. Trial 4 Platelet Count Response ( $\geq 50 \times 10^9/L$  without Rescue) for 6 out of 8  
751 Weeks (between Weeks 5 to 12) Overall and by Age Cohort in Pediatric Patients 1 Year  
752 and Older with Chronic Immune (Idiopathic) Thrombocytopenia**

Age Cohort	PROMACTA	Placebo
Overall	26/63 (41%) <sup>a</sup>	1/29 (3%)
12 to 17 years	10/24 (42%)	1/10 (10%)
6 to 11 years	11/25 (44%)	0/13 (0%)
1 to 5 years	5/14 (36%)	0/6 (0%)

753 <sup>a</sup>  $P$  value = <0.001 for PROMACTA versus placebo.

754

755 More pediatric patients treated with PROMACTA (75%) compared with placebo (21%)  
756 had at least one platelet count greater than or equal to  $50 \times 10^9/L$  during the first 12 weeks of  
757 randomized treatment in absence of rescue therapy. Fewer pediatric patients treated with  
758 PROMACTA required rescue treatment during the randomized, double-blind period compared  
759 with placebo-treated patients (19% [12/63] versus 24% [7/29]). In the patients who achieved a  
760 platelet response ( $\geq 50 \times 10^9/L$  without rescue) for 6 out of 8 weeks (between weeks 5 to 12),  
761 62% (16/26) had an initial response in the first 2 weeks after starting PROMACTA.

762 Patients were permitted to reduce or discontinue baseline ITP therapy only during the  
763 open-label phase of the trial. Among 15 patients receiving other ITP therapy at baseline, 53%

764 (8/15) reduced (n = 1) or discontinued (n = 7) concomitant therapy, mainly corticosteroids,  
765 without needing rescue therapy.

766 *Trial 5:* Patients refractory or relapsed to at least one prior ITP therapy with a platelet  
767 count less than  $30 \times 10^9/\text{L}$  (n = 67) were stratified by age and randomized (2:1) to PROMACTA  
768 (n = 45) or placebo (n = 22). The starting dose for patients aged 12 to 17 years was 37.5 mg once  
769 daily regardless of weight or race. The starting dose for patients aged 6 to 11 years was 50 mg  
770 once daily for those greater than or equal to 27 kg and 25 mg once daily for those less than  
771 27 kg, administered as oral tablets. Reduced doses of 25 mg (for those greater than or equal to  
772 27 kg) and 12.5 mg (for those less than 27 kg), each once daily, were used for East Asian  
773 patients in this age range. The starting dose for patients aged 1 to 5 years was 1.5 mg/kg once  
774 daily (0.8 mg/kg once daily for East Asian patients) administered as oral suspension.

775 The 7-week, randomized, double-blind period was followed by an open-label period of  
776 up to 24 weeks where patients from both arms were eligible to receive PROMACTA.

777 The median age of the patients was 10 years and 60% were female. Approximately 51%  
778 of patients had a baseline platelet count less than or equal to  $15 \times 10^9/\text{L}$ . The percentage of  
779 patients with at least 2 prior ITP therapies (predominantly corticosteroids and immunoglobulins)  
780 was 84% in the group treated with PROMACTA and 86% in the group treated with placebo.  
781 Five patients in the group treated with PROMACTA had undergone splenectomy.

782 The efficacy of PROMACTA in this trial was evaluated by the proportion of patients  
783 achieving platelet counts greater than or equal to  $50 \times 10^9/\text{L}$  (in absence of rescue therapy) at  
784 least once between Weeks 1 and 6 of the randomized, double-blind period (Table 13). Platelet  
785 response to PROMACTA was consistent across the age cohorts.

787 **Table 13. Trial 5 Platelet Count Response ( $\geq 50 \times 10^9/\text{L}$  without Rescue) Rates in Pediatric  
788 Patients 1 Year and Older with Chronic Immune (Idiopathic) Thrombocytopenia**

	PROMACTA	Placebo
Overall	28/45 (62%) <sup>a</sup>	7/22 (32%)
12 to 17 years	10/16 (62%)	0/8 (0%)
6 to 11 years	12/19 (63%)	3/9 (33%)
1 to 5 years	6/10 (60%)	4/5 (80%)

789 <sup>a</sup> P value = 0.011 for PROMACTA versus placebo.

790 Fewer pediatric patients treated with PROMACTA required rescue treatment during the  
791 randomized, double-blind period compared with placebo-treated patients (13% [6/45] versus  
792 50% [11/22]).

793 Patients were permitted to reduce or discontinue baseline ITP therapy only during the  
794 open-label phase of the trial. Among 13 patients receiving other ITP therapy at baseline, 46%  
795 (6/13) reduced (n = 3) or discontinued (n = 3) concomitant therapy, mainly corticosteroids,  
796 without needing rescue therapy.

798   **14.2 Chronic Hepatitis C-associated Thrombocytopenia**

799   The efficacy and safety of PROMACTA for the treatment of thrombocytopenia in adult  
800   patients with chronic hepatitis C were evaluated in two randomized, double-blind, placebo-  
801   controlled trials. Trial 1 utilized peginterferon alfa-2a (PEGASYS®) plus ribavirin for antiviral  
802   treatment and Trial 2 utilized peginterferon alfa-2b (PEGINTRON®) plus ribavirin. In both trials,  
803   patients with a platelet count of less than  $75 \times 10^9/L$  were enrolled and stratified by platelet  
804   count, screening HCV RNA, and HCV genotype. Patients were excluded if they had evidence of  
805   decompensated liver disease with Child-Pugh score greater than 6 (class B and C), history of  
806   ascites, or hepatic encephalopathy. The median age of the patients in both trials was 52 years,  
807   63% were male, and 74% were Caucasian. Sixty-nine percent of patients had HCV genotypes 1,  
808   4, 6, with the remainder genotypes 2 and 3. Approximately 30% of patients had been previously  
809   treated with interferon and ribavirin. The majority of patients (90%) had bridging fibrosis and  
810   cirrhosis, as indicated by noninvasive testing. A similar proportion (95%) of patients in both  
811   treatment groups had Child-Pugh Class A (score 5 to 6) at baseline. A similar proportion of  
812   patients (2%) in both treatment groups had baseline international normalized ratio (INR) greater  
813   than 1.7. Median baseline platelet counts (approximately  $60 \times 10^9/L$ ) were similar in both  
814   treatment groups. The trials consisted of 2 phases – a pre-antiviral treatment phase and an  
815   antiviral treatment phase. In the pre-antiviral treatment phase, patients received open-label  
816   PROMACTA to increase the platelet count to a threshold of greater than or equal to  $90 \times 10^9/L$   
817   for Trial 1 and greater than or equal to  $100 \times 10^9/L$  for Trial 2. PROMACTA was administered at  
818   an initial dose of 25 mg once daily for 2 weeks and increased in 25-mg increments over 2- to 3-  
819   week periods to achieve the optimal platelet count to initiate antiviral therapy. The maximal time  
820   patients could receive open-label PROMACTA was 9 weeks. If threshold platelet counts were  
821   achieved, patients were randomized (2:1) to the same dose of PROMACTA at the end of the pre-  
822   treatment phase or to placebo. PROMACTA was administered in combination with pegylated  
823   interferon and ribavirin per their respective prescribing information for up to 48 weeks.

824   The efficacy of PROMACTA for both trials was evaluated by sustained virologic  
825   response (SVR) defined as the percentage of patients with undetectable HCV-RNA at 24 weeks  
826   after completion of antiviral treatment. The median time to achieve the target platelet count  
827   greater than or equal to  $90 \times 10^9/L$  was approximately 2 weeks. Ninety-five percent of patients  
828   were able to initiate antiviral therapy.

829   In both trials, a significantly greater proportion of patients treated with PROMACTA  
830   achieved SVR (see Table 14). The improvement in the proportion of patients who achieved SVR  
831   was consistent across subgroups based on baseline platelet count (less than  $50 \times 10^9/L$  versus  
832   greater than or equal to  $50 \times 10^9/L$ ). In patients with high baseline viral loads (greater than or  
833   equal to 800,000), the SVR rate was 18% (82/452) for PROMACTA versus 8% (20/239) for  
834   placebo.

835

836 **Table 14. Trials 1 and 2 Sustained Virologic Response in Adults with Chronic Hepatitis C**

<b>Pre-antiviral Treatment Phase</b>	<b>Trial 1<sup>a</sup></b>		<b>Trial 2<sup>b</sup></b>	
	<b>N = 715</b>	<b>N = 805</b>	<b>N = 506</b>	<b>N = 253</b>
<b>Antiviral Treatment Phase</b>	<b>PROMACTA N = 450</b> <b>%</b>	<b>Placebo N = 232</b> <b>%</b>	<b>PROMACTA N = 506</b> <b>%</b>	<b>Placebo N = 253</b> <b>%</b>
<b>Overall SVR<sup>d</sup></b>	23	14	19	13
HCV Genotype 2,3	35	24	34	25
HCV Genotype 1,4,6	18	10	13	7

837 <sup>a</sup> PROMACTA given in combination with peginterferon alfa-2a (180 mcg once weekly for  
838 48 weeks for genotypes 1/4/6; 24 weeks for genotype 2 or 3) plus ribavirin (800 to 1,200 mg  
839 daily in 2 divided doses orally).

840 <sup>b</sup> PROMACTA given in combination with peginterferon alfa-2b (1.5 mcg/kg once weekly for  
841 48 weeks for genotypes 1/4/6; 24 weeks for genotype 2 or 3) plus ribavirin (800 to 1,400 mg  
842 daily in 2 divided doses orally).

843 <sup>c</sup> Target platelet count was  $\geq 90 \times 10^9/L$  for Trial 1 and  $\geq 100 \times 10^9/L$  for Trial 2.

844 <sup>d</sup> P value <0.05 for PROMACTA versus placebo.

845

846 The majority of patients treated with PROMACTA (76%) maintained a platelet count  
847 greater than or equal to  $50 \times 10^9/L$  compared with 19% for placebo. A greater proportion of  
848 patients on PROMACTA did not require any antiviral dose reduction as compared with placebo  
849 (45% versus 27%).

### 850 **14.3 Severe Aplastic Anemia**

851 PROMACTA was studied in a single-arm, single-center, open-label trial in 43 patients  
852 with severe aplastic anemia who had an insufficient response to at least one prior  
853 immunosuppressive therapy and who had a platelet count less than or equal to  $30 \times 10^9/L$ .  
854 PROMACTA was administered at an initial dose of 50 mg once daily for 2 weeks and increased  
855 over 2-week periods up to a maximum dose of 150 mg once daily. The efficacy of PROMACTA  
856 in the study was evaluated by the hematologic response assessed after 12 weeks of treatment.  
857 Hematologic response was defined as meeting 1 or more of the following criteria: 1) platelet  
858 count increases to  $20 \times 10^9/L$  above baseline, or stable platelet counts with transfusion  
859 independence for a minimum of 8 weeks; 2) hemoglobin increase by greater than 1.5 g/dL, or a  
860 reduction in greater than or equal to 4 units of RBC transfusions for 8 consecutive weeks; 3)  
861 ANC increase of 100% or an ANC increase greater than  $0.5 \times 10^9/L$ . PROMACTA was  
862 discontinued after 16 weeks if no hematologic response was observed. Patients who responded  
863 continued therapy in an extension phase of the trial.

864        The treated population had median age of 45 years (range: 17 to 77 years) and 56% were  
865        male. At baseline, the median platelet count was  $20 \times 10^9/L$ , hemoglobin was 8.4 g/dL, ANC was  
866         $0.58 \times 10^9/L$ , and absolute reticulocyte count was  $24.3 \times 10^9/L$ . Eighty-six percent of patients  
867        were RBC transfusion dependent and 91% were platelet transfusion dependent. The majority of  
868        patients (84%) received at least 2 prior immunosuppressive therapies. Three patients had  
869        cytogenetic abnormalities at baseline.

870        Table 15 presents the efficacy results.

871

872 **Table 15. Hematologic Response in Patients with Severe Aplastic Anemia**

Outcome	PROMACTA N = 43
Response rate <sup>a</sup> , n (%) 95% CI (%)	17 (40) (25, 56)
Median of duration of response in months (95%CI)	NR <sup>b</sup> (3.0, NR <sup>b</sup> )

873        <sup>a</sup> Includes single- and multi-lineage.

874        <sup>b</sup> NR = Not reached due to few events (relapsed).

875

876        In the 17 responders, the platelet transfusion-free period ranged from 8 to 1,096 days with  
877        a median of 200 days, and the RBC transfusion-free period ranged from 15 to 1,082 days with a  
878        median of 208 days.

879        In the extension phase, 8 patients achieved a multi-lineage response; 4 of these patients  
880        subsequently tapered off treatment with PROMACTA and maintained the response (median  
881        follow up: 8.1 months, range: 7.2 to 10.6 months).

## 882 **16 HOW SUPPLIED/STORAGE AND HANDLING**

### 883 **16.1 Tablets**

- 884        The 12.5-mg tablets are round, biconvex, white, film-coated tablets debossed with GS MZ1  
885        and 12.5 on one side and are available in bottles of 30: NDC 0007-4643-13.
- 886        The 25-mg tablets are round, biconvex, orange, film-coated tablets debossed with GS NX3  
887        and 25 on one side and are available in bottles of 30: NDC 0007-4640-13.
- 888        The 50-mg tablets are round, biconvex, blue, film-coated tablets debossed with GS UFU and  
889        50 on one side and are available in bottles of 30: NDC 0007-4641-13.
- 890        The 75-mg tablets are round, biconvex, pink, film-coated tablets debossed with GS FFS and  
891        75 on one side and are available in bottles of 30: NDC 0007-4642-13.
- 892        The 100-mg tablets are round, biconvex, green, film-coated tablets debossed with GS 1L5  
893        and are available in bottles of 30: NDC 0007-4646-13. This product contains a desiccant.

894

895        Store at room temperature between 20°C and 25°C (68°F to 77°F); excursions permitted  
896        to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Do not remove  
897        desiccant if present. Dispense in original bottle.

898    **16.2 For Oral Suspension**

899    The 25-mg for oral suspension is a reddish-brown to yellow powder in unit-dose packets,  
900    co-packaged in a kit with a 40-cc reconstitution vessel, an oral dosing syringe, and a threaded  
901    closure with syringe-port capability.

902    Each kit (NDC 0007-4515-27) contains 30 packets: NDC 0007-4515-01.

903    Store at room temperature between 20°C and 25°C (68°F to 77°F); excursions permitted  
904    to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Following  
905    reconstitution, the product should be administered immediately but may be stored for a  
906    maximum period of 30 minutes between 20°C and 25°C (68°F to 77°F); excursions permitted to  
907    15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Throw away (discard)  
908    the mixture if not used within 30 minutes.

909    **17 PATIENT COUNSELING INFORMATION**

910    Advise the patient or caregiver to read the FDA-approved patient labeling (Medication  
911    Guide and Instructions for Use).

912    Prior to treatment, patients should fully understand and be informed of the following risks  
913    and considerations for PROMACTA:

- 914    • For patients with chronic ITP, therapy with PROMACTA is administered to achieve and  
915    maintain a platelet count greater than or equal to  $50 \times 10^9/L$  as necessary to reduce the risk  
916    for bleeding.
- 917    • For patients with chronic hepatitis C, therapy with PROMACTA is administered to achieve  
918    and maintain a platelet count necessary to initiate and maintain antiviral therapy with  
919    pegylated interferon and ribavirin.
- 920    • Therapy with PROMACTA may be associated with hepatobiliary laboratory abnormalities.
- 921    • Advise patients with chronic hepatitis C and cirrhosis that they may be at risk for hepatic  
922    decompensation when receiving alfa interferon therapy.
- 923    • Advise patients that they should report any of the following signs and symptoms of liver  
924    problems to their healthcare provider right away.
  - 925       • yellowing of the skin or the whites of the eyes (jaundice)
  - 926       • unusual darkening of the urine
  - 927       • unusual tiredness
  - 928       • right upper stomach area pain
  - 929       • confusion
  - 930       • swelling of the stomach area (abdomen)
- 931    • Advise patients that thrombocytopenia and risk of bleeding may reoccur upon discontinuing  
932    PROMACTA, particularly if PROMACTA is discontinued while the patient is on  
933    anticoagulants or antiplatelet agents.
- 934    • Advise patients that too much PROMACTA may result in excessive platelet counts and a risk  
935    for thrombotic/thromboembolic complications.

- 936     • Advise patients that during therapy with PROMACTA, they should continue to avoid  
937     situations or medications that may increase the risk for bleeding.
  - 938     • Advise patients to have a baseline ocular examination prior to administration of  
939     PROMACTA and be monitored for signs and symptoms of cataracts during therapy.
  - 940     • Advise patients to take PROMACTA at least 2 hours before or 4 hours after foods, mineral  
941     supplements, and antacids which contain polyvalent cations such as iron, calcium, aluminum,  
942     magnesium, selenium, and zinc.
  - 943     • Prior to use of the oral suspension, ensure patients or caregivers receive training on proper  
944     dosing, preparation, and administration.
  - 945     • Inform patients or caregivers how many packets to administer to get the full dose.
- 946
- 947     PROMACTA is a registered trademark of the GSK group of companies. The following are  
948     registered trademarks of their respective owners: PEGASYS/Hoffmann-La Roche Inc.;  
949     PEGINTRON/Schering Corporation.
- 950



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953     Research Triangle Park, NC 27709

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**MEDICATION GUIDE**

**PROMACTA® (pro-MAC-ta)  
(eltrombopag)  
tablets**

**PROMACTA® (pro-MAC-ta)  
(eltrombopag)  
for oral suspension**

Read this Medication Guide before you start taking PROMACTA and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking with your healthcare provider about your medical condition or treatment.

**What is the most important information I should know about PROMACTA?**

PROMACTA can cause serious side effects, including:

**Liver problems.** If you have chronic hepatitis C virus, and take PROMACTA with interferon and ribavirin treatment, PROMACTA may increase your risk of liver problems. Tell your healthcare provider right away if you have any of these signs and symptoms of liver problems:

- yellowing of the skin or the whites of the eyes (jaundice)
- unusual darkening of the urine
- unusual tiredness
- right upper stomach area (abdomen) pain
- confusion
- swelling of the stomach area (abdomen)

See "What are the possible side effects of PROMACTA?" for other side effects of PROMACTA.

**What is PROMACTA?**

PROMACTA is a prescription medicine used to treat adults and children 1 year of age and older with low blood platelet counts due to chronic immune (idiopathic) thrombocytopenia (ITP), when other medicines to treat ITP or surgery to remove the spleen have not worked well enough.

PROMACTA is also used to treat patients with:

- low blood platelet counts due to chronic hepatitis C virus (HCV) infection before and during treatment with interferon.
- severe aplastic anemia (SAA) when other medicines to treat SAA have not worked well enough.

PROMACTA is used to try to raise platelet counts in order to lower your risk for bleeding.

PROMACTA is not used to make platelet counts normal.

PROMACTA is for treatment of certain people with low platelet counts caused by chronic ITP, chronic HCV, or SAA, not low platelet counts caused by other conditions or diseases.

It is not known if PROMACTA is safe and effective when used with other antiviral medicines that are approved to treat chronic hepatitis C.

It is not known if PROMACTA is safe and effective in children with chronic hepatitis C or severe aplastic anemia or in children younger than 1 year with ITP.

**What should I tell my healthcare provider before taking PROMACTA?**

**Before you take PROMACTA, tell your healthcare provider if you:**

- have liver or kidney problems
- have or had a blood clot
- have a history of cataracts
- have had surgery to remove your spleen (splenectomy)
- have bleeding problems
- are Asian and you are of Chinese, Japanese, Taiwanese, or Korean ancestry. You may need a lower dose of PROMACTA.
- have any other medical conditions
- are pregnant or plan to become pregnant. It is not known if PROMACTA will harm an unborn baby.
- are breastfeeding or plan to breastfeed. It is not known if PROMACTA passes into your breast milk. You and your healthcare provider should decide whether you will take PROMACTA or breastfeed. You should not do both.

**Tell your healthcare provider about all the medicines you take,** including prescription and over-the-counter medicines, vitamins, and herbal supplements. PROMACTA may affect the way certain medicines work. Certain other medicines may affect the way PROMACTA works.

Especially tell your healthcare provider if you take:

- certain medicines used to treat high cholesterol, called "statins".
- a blood thinner medicine.

Certain medicines may keep PROMACTA from working correctly. Take PROMACTA at least 2 hours before or 4 hours after taking these products:

- antacid medicine used to treat stomach ulcers or heartburn
- multivitamins or products that contain iron, calcium, aluminum, magnesium, selenium, and zinc which may be found in mineral supplements

Ask your healthcare provider if you are not sure if your medicine is one that is listed above.

Know the medicines you take. Keep a list of them and show it to your healthcare provider and pharmacist when you get a new medicine.

### **How should I take PROMACTA?**

- Take PROMACTA exactly as your healthcare provider tells you to take it. Your healthcare provider will prescribe the dose of PROMACTA tablets or PROMACTA oral suspension that is right for you.
- If your healthcare provider prescribes PROMACTA oral suspension, see "Instructions for Use" that comes with your medicine for instructions on how to prepare and take your dose.
- Do not stop taking PROMACTA without talking with your healthcare provider first. Do not change your dose or schedule for taking PROMACTA unless your healthcare provider tells you to change it.
- Take PROMACTA on an empty stomach, either 1 hour before or 2 hours after eating food.
- Take PROMACTA at least 2 hours before or 4 hours after eating dairy products and calcium-fortified juices.
- **Take PROMACTA tablets whole. Do not crush PROMACTA tablets and mix with food or liquids.**  
If you miss a dose of PROMACTA, wait and take your next scheduled dose. Do not take more than one dose of PROMACTA in one day.
- If you take too much PROMACTA, you may have a higher risk of serious side effects. Call your healthcare provider right away.
- Your healthcare provider will check your platelet count during your treatment with PROMACTA and change your dose of PROMACTA as needed.
- Tell your healthcare provider about any bruising or bleeding that happens while you take and after you stop taking PROMACTA.

### **What should I avoid while taking PROMACTA?**

Avoid situations and medicines that may increase your risk of bleeding.

### **What are the possible side effects of PROMACTA?**

**PROMACTA may cause serious side effects, including:**

- See "**What is the most important information I should know about PROMACTA?**"
- **Abnormal liver function tests.** Your healthcare provider will order blood tests to check your liver before you start taking PROMACTA and during your treatment. In some cases treatment with PROMACTA may need to be stopped due to changes in your liver function tests.
- **High platelet counts and higher risk for blood clots.** Your risk of getting a blood clot is increased if your platelet count is too high during treatment with PROMACTA. Your risk of getting a blood clot may also be increased during treatment with PROMACTA if you have normal or low platelet counts. You may have severe problems or die from some forms of blood clots, such as clots that travel to the lungs or that cause heart attacks or strokes. Your healthcare provider will check your blood platelet counts, and change your dose or stop PROMACTA if your platelet counts get too high. Tell your healthcare provider right away if you have signs and symptoms of a blood clot in the leg, such as swelling, pain, or tenderness in your leg.

People with chronic liver disease may be at risk for a type of blood clot in the stomach area. Tell your healthcare provider right away if you have stomach area pain that may be a symptom of this type of blood clot.

- **New or worsened cataracts (a clouding of the lens in the eye).** New or worsened cataracts have happened in people taking PROMACTA. Your healthcare provider will check your eyes before and during your treatment with PROMACTA. Tell your healthcare provider about any changes in your eyesight while taking PROMACTA.

**The most common side effects of PROMACTA in adults when used to treat chronic ITP are:**

- nausea
- diarrhea
- upper respiratory tract infection. Symptoms may include runny nose, stuffy nose, and sneezing
- vomiting
- muscle aches
- urinary tract infection. Symptoms may include frequent or urgent need to urinate, low fever in some people, pain or burning with urination.
- pain or swelling (inflammation) in your throat or mouth (oropharyngeal pain and pharyngitis)
- abnormal liver function tests
- back pain
- "flu"-like symptoms (influenza) including fever, headache, tiredness, cough, sore throat, and body aches
- skin tingling, itching, or burning
- rash

**The most common side effects of PROMACTA in children 1 year and older when used to treat chronic ITP are:**

- upper respiratory tract infection. Symptoms may include runny nose, stuffy nose, and sneezing.
- pain or swelling (inflammation) in your nose or throat (nasopharyngitis)
- cough
- diarrhea
- fever
- runny, stuffy nose (rhinitis)
- stomach (abdominal) pain
- pain or swelling (inflammation) in your throat or mouth (oropharyngeal pain)
- toothache
- rash
- abnormal liver function tests

**The most common side effects when PROMACTA is used in combination with other medicines to treat chronic HCV are:**

- low red blood cell count (anemia)
- fever
- tiredness
- headache
- nausea
- diarrhea
- decreased appetite
- "flu"-like symptoms (influenza) including fever, headache, tiredness, cough, sore throat, and body aches
- feeling weak
- trouble sleeping
- cough
- itching
- chills
- muscle aches
- hair loss
- swelling in your ankles, feet, and legs

**The most common side effects when PROMACTA is used to treat severe aplastic anemia are:**

- nausea
- feeling tired
- cough
- diarrhea
- headache
- pain in arms, legs, hands, or feet
- shortness of breath
- fever
- dizziness
- pain in the nose or throat
- abdominal pain
- bruising
- muscle spasms
- abnormal liver function tests
- joint pain
- runny nose

Laboratory tests may show abnormal changes to the cells in your bone marrow.

Tell your healthcare provider if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of PROMACTA. For more information, ask your healthcare provider or pharmacist.

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 PROMACTA tablets and oral suspension?**

**Tablets:**

- Store PROMACTA tablets at room temperature between 68°F to 77°F (20°C to 25°C).
- Keep PROMACTA tightly closed in the bottle given to you.
- The PROMACTA bottle may contain a desiccant pack to help keep your medicine dry. Do not remove the desiccant pack from the bottle.

**For oral suspension:**

- Store PROMACTA for oral suspension at room temperature between 68°F to 77°F (20°C to 25°C).
- After mixing, PROMACTA should be taken right away but may be stored for no more than 30 minutes between 68°F to 77°F (20°C to 25°C). Throw away (discard) the mixture if not used within 30 minutes.

**Keep PROMACTA and all medicines out of the reach of children.**

## **General information about the safe and effective use of PROMACTA**

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use PROMACTA for a condition for which it was not prescribed. Do not give PROMACTA to other people, even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important information about PROMACTA. If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for information about PROMACTA that is written for health professionals.

For more information about PROMACTA, go to [www.PROMACTA.com](http://www.PROMACTA.com) or call 1-888-825-5249.

### **What are the ingredients in PROMACTA?**

#### **Tablets:**

**Active ingredient:** eltrombopag olamine.

**Inactive ingredients:**

- **Tablet Core:** magnesium stearate, mannitol, microcrystalline cellulose, povidone, and sodium starch glycolate.
- **Coating:** hypromellose (12.5-mg, 25-mg, 50-mg, and 75-mg tablets) or polyvinyl alcohol and talc (100-mg tablet), polyethylene glycol 400, titanium dioxide, polysorbate 80 (12.5-mg tablet), and FD&C Yellow No. 6 aluminum lake (25-mg tablet), FD&C Blue No. 2 aluminum lake (50-mg tablet), Iron Oxide Red and Iron Oxide Black (75-mg tablet), or Iron Oxide Yellow and Iron Oxide Black (100-mg tablet).

#### **For oral suspension:**

**Active ingredient:** eltrombopag olamine.

**Inactive ingredients:** mannitol, sucralose, xanthan gum.

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This Medication Guide has been approved by the U.S. Food and Drug Administration

Revised August 2015

**INSTRUCTIONS FOR USE  
PROMACTA® (pro-MAC-ta)  
(eltrombopag)  
for oral suspension**

Read all the Instructions for Use and follow the steps below to mix and give a dose of PROMACTA for oral suspension.

**Important:**

- **Do not take PROMACTA for oral suspension or give it to someone else until you have been shown how to properly give PROMACTA for oral suspension.** Your healthcare provider or nurse will show you how to prepare and give a dose of PROMACTA for oral suspension properly.
- **PROMACTA for oral suspension must be mixed with cool or cold water only.** Do not use hot water to prepare the oral suspension.
- Give the dose of suspension right away after mixing with water. **If medicine is not given within 30 minutes, you will have to mix a new dose.** Throw away (discard) the unused mixture into the trash. Do not pour it down the drain.
- Avoid letting the medicine touch your skin. If this happens, wash the affected area right away with soap and water. Call your doctor if you have a skin reaction or if you have any questions. If you spill any powder or liquid, follow the clean up instructions in **Step 12**.
- Contact your doctor or pharmacist if you have any questions about how to mix or give PROMACTA to the child or if you damage or lose any of the supplies in your kit.
- After you have used all 30 packets, throw all the remaining supplies (mixing bottle, lid with cap, and oral dosing syringe) away in the trash.

**Each PROMACTA for oral suspension kit contains the following supplies:**

30 packets of PROMACTA for oral suspension	
1 Reusable mixing bottle with lid and cap	
1 Reusable 20-mL oral syringe	

**You will need the following to give a single dose of PROMACTA for oral suspension.**

**From the kit:**

- prescribed number of packets
- 1 reusable mixing bottle with lid and cap. NOTE: Due to its small size, the cap may pose a danger of choking to small children.
- 1 reusable 20-mL oral dosing syringe

**Not included in the kit:**

- 1 clean glass or cup filled with drinking water
- scissors to cut packet
- paper towels or disposable cloth
- gloves (optional)

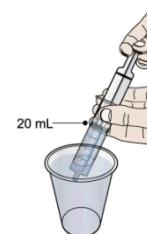
**How do I prepare a dose of PROMACTA for oral suspension?**

**Step 1.** Make sure that the mixing bottle, cap, lid and oral syringe are dry before use. Remove the lid from the mixing bottle.

- Prepare a clean, flat work surface.
- Wash and dry your hands before preparing the medicine.

**Step 2.** Fill the oral syringe with 20 mL of drinking water from the glass or cup.

- Start with the plunger pushed all the way into the syringe.
- Put the tip of the syringe all the way into the water and pull back on the plunger to the 20 mL mark on the barrel of the syringe.



**Step 3.** Place the oral syringe into the open mixing bottle. Empty water into open mixing bottle by slowly pushing the plunger all the way into the oral syringe.



**Step 4.** Take only the prescribed number of packets for one dose out of the kit. You may need to use more than one packet to prepare the entire dose.

- 12.5-mg dose (1 packet) Note: See **Step 9** for instructions on how to give a 12.5-mg dose.
- 25-mg dose (1 packet)
- 50-mg dose (2 packets)
- 75-mg dose (3 packets)

**Step 5.** Add the prescribed number of packets to the mixing bottle.

- Tap the top of each packet to make sure the contents fall to the bottom.
- Cut off the top of the packet with scissors and empty the entire contents of the packet into the mixing bottle.
- Make sure not to spill the powder outside the mixing bottle.



**Step 6.** Screw the lid tightly onto the bottle. Make sure the cap is pushed onto the lid.

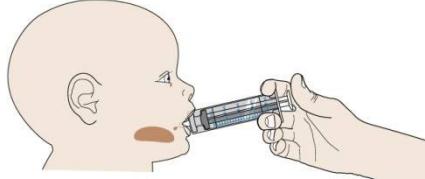
**Step 7.** Gently and slowly shake the bottle back and forth for at least 20 seconds to mix the water with the powder.

- To prevent the mixture from foaming, do not shake the bottle hard.



**How should I give a dose of PROMACTA for oral suspension?**

**Step 8.** Make sure the plunger is pushed all the way into the oral syringe. Pull cap off the mixing bottle lid and insert the syringe tip into the hole in the lid.

<p><b>Step 9.</b> Transfer the mixture into the oral syringe. The liquid will be dark brown in color.</p> <ul style="list-style-type: none"><li>• Turn the mixing bottle upside down along with the syringe.</li><li>• Pull back the plunger:<ul style="list-style-type: none"><li>◦ to the 10 mL mark on the syringe for a <b>12.5-mg dose only</b></li></ul></li></ul> <p style="text-align: center;"><b>OR</b></p> <ul style="list-style-type: none"><li>◦ until all the medicine is in the syringe (25-mg, 50-mg, or 75-mg dose).</li></ul>	
<p><b>Step 10.</b> Return the bottle to the upright position and remove the syringe from the bottle.</p>	
<p><b>Step 11.</b> Giving a dose of PROMACTA for oral suspension to a child.</p> <ul style="list-style-type: none"><li>• Place the tip of the oral syringe into the inside of the child's cheek.</li><li>• Slowly push the plunger all the way down to give the entire dose. Make sure the child has time to swallow the medicine.</li></ul>	
<p><b>How should I clean up?</b></p>	
<p><b>Step 12.</b> Carefully clean up any spill of the powder or suspension with a damp paper towel or disposable cloth.</p> <ul style="list-style-type: none"><li>• To avoid possibly staining your skin, consider using disposable gloves.</li><li>• Throw away (discard) used paper towel and gloves in the trash.</li></ul>	
<p><b>Step 13.</b> Clean the mixing supplies.</p> <ul style="list-style-type: none"><li>• <b>Do not reuse any of the mixture remaining in the bottle.</b></li><li>• Throw away (discard) any mixture remaining in the mixing bottle in the trash. Do not pour down the drain.</li><li>• Remove the plunger from the oral syringe.</li><li>• Rinse the mixing bottle, lid, syringe, and plunger under running water and air dry. The mixing bottle may become stained from the medicine. This is normal.</li><li>• Wash hands with soap and water.</li></ul>	

**Keep PROMACTA and all medicines out of the reach of children.**

This Instructions for Use has been approved by the U.S. Food and Drug Administration.

PROMACTA is a registered trademark of the GSK group of companies.

This label may not be the latest approved by FDA.  
For current labeling information, please visit <https://www.fda.gov/drugsatfda>



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