

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
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

Boxed Warning	02/2014
Warnings and Precautions, Hepatic Decompensation in Patients With Chronic Hepatitis C moved (5.1)	02/2014
Warnings and Precautions, Hepatotoxicity (5.2)	02/2014
Warnings and Precautions, Bone Marrow Reticulin Formation removal (formerly 5.3)	02/2014
Warnings and Precautions, Laboratory Monitoring removal (formerly 5.5)	02/2014

INDICATIONS AND USAGE

PROMACTA is a thrombopoietin receptor agonist indicated for the treatment of thrombocytopenia in patients with chronic immune (idiopathic) thrombocytopenia (ITP) who have had an insufficient response to corticosteroids, immunoglobulins, or splenectomy. (1.1)

PROMACTA is indicated for the treatment of thrombocytopenia in patients with chronic hepatitis C to allow the initiation and maintenance of interferon-based therapy. (1.2)

Limitations of Use:

- PROMACTA should not be used to normalize platelet counts. (1.3)
- PROMACTA should be used only in patients with ITP whose degree of thrombocytopenia and clinical condition increase the risk for bleeding. (1.3)
- 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. (1.3)
- Safety and efficacy have not been established in combination with direct acting antiviral agents approved for treatment of chronic hepatitis C genotype 1 infection. (1.3)

DOSAGE AND ADMINISTRATION

- Take on an empty stomach (1 hour before or 2 hours after a meal). (2.3)
- Allow a 4-hour interval between PROMACTA and other medications, foods, or supplements containing polyvalent cations (e.g., iron, calcium, aluminum, magnesium, selenium, and zinc). (2.3)
- **Chronic ITP:** Initiate PROMACTA at 50 mg once daily for most patients. Reduce the initial dose in patients with hepatic impairment and/or patients of East Asian ancestry. Adjust to maintain a platelet count $\geq 50 \times 10^9/L$. Do not exceed 75 mg per day. (2.1)
- **Chronic Hepatitis C-associated thrombocytopenia:** Initiate PROMACTA at 25 mg once daily for all patients. Adjust to achieve a target platelet count required to initiate antiviral therapy. Do not exceed a daily dose of 100 mg. (2.2)

DOSAGE FORMS AND STRENGTHS

12.5 mg, 25 mg, 50 mg, 75 mg, and 100 mg tablets. (3)

CONTRAINDICATIONS

None. (4)

WARNINGS AND PRECAUTIONS

- Hepatic Decompensation in Patients with Chronic Hepatitis C. (5.1)
- 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

- The most common adverse reactions in ITP patients ($\geq 3\%$ and greater than placebo) were: nausea, diarrhea, upper respiratory tract infection, vomiting, increased ALT, myalgia, urinary tract infection, oropharyngeal pain, increased AST, pharyngitis, back pain, influenza, paresthesia, and rash. (6.1)
- The most common adverse reactions in thrombocytopenic patients with chronic hepatitis C ($\geq 10\%$ 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)

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

DRUG INTERACTIONS

PROMACTA must not be taken within 4 hours of any medications or products containing polyvalent cations such as antacids, dairy products, and mineral supplements. (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)
- Reduce the initial dose in chronic ITP patients with hepatic impairment. (8.6)

See 17 for PATIENT COUNSELING INFORMATION and MEDICATION GUIDE.

Revised: 02/2014

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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 patients 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 Limitations of Use

- PROMACTA should not be used to normalize platelet counts.
- 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 approved for treatment of chronic hepatitis C genotype 1 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: Initiate PROMACTA at a dose of 50 mg once daily, except in patients who are of East Asian ancestry (such as Chinese, Japanese, Taiwanese, or Korean) or who have mild to severe hepatic impairment (Child-Pugh Class A, B, C).

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

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

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

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

49
50 **Table 1. Dose Adjustments of PROMACTA in Adults With Chronic Immune (Idiopathic)**
51 **Thrombocytopenia**

Platelet Count Result	Dose Adjustment or Response
$<50 \times 10^9/L$ 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.
$\geq 200 \times 10^9/L$ to $\leq 400 \times 10^9/L$ at any time	Decrease the daily dose by 25 mg. Wait 2 weeks to assess the effects of this and any subsequent dose adjustments.
$>400 \times 10^9/L$	Stop PROMACTA; increase the frequency of platelet monitoring to twice weekly. Once the platelet count is $<150 \times 10^9/L$, reinstitute therapy at a daily dose reduced by 25 mg. For patients taking 25 mg once daily, reinstitute therapy at a daily dose of 12.5 mg.
$>400 \times 10^9/L$ after 2 weeks of therapy at lowest dose of PROMACTA	Discontinue PROMACTA.

52
53 In ITP patients with hepatic impairment (Child-Pugh Class A, B, C), after initiating
54 PROMACTA or after any subsequent dosing increase, wait 3 weeks before increasing the dose.

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

58 **Discontinuation:** Discontinue PROMACTA if the platelet count does not increase to a
59 level sufficient to avoid clinically important bleeding after 4 weeks of therapy with
60 PROMACTA at the maximum daily dose of 75 mg. Excessive platelet count responses, as

61 outlined in Table 1, or important liver test abnormalities also necessitate discontinuation of
62 PROMACTA [see Warnings and Precautions (5.1)]. Obtain CBCs with differentials, including
63 platelet counts, weekly for at least 4 weeks following discontinuation of PROMACTA.

64 **2.2 Chronic Hepatitis C-Associated Thrombocytopenia**

65 Use the lowest dose of PROMACTA to achieve and maintain a platelet count necessary
66 to initiate and maintain antiviral therapy with pegylated interferon and ribavirin. Dose
67 adjustments are based upon the platelet count response. Do not use PROMACTA to normalize
68 platelet counts [see Warnings and Precautions (5.3)]. In clinical trials, platelet counts generally
69 began to rise within the first week of treatment with PROMACTA [see Clinical Studies (14.2)].

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

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

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

79 **For specific dosage instructions for peginterferon or ribavirin, refer to their**
80 **respective prescribing information.**

81
82 **Table 2. Dose Adjustments of PROMACTA in Adults With Chronic Hepatitis C**

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

83
84 Discontinuation: The prescribing information for pegylated interferon and ribavirin
85 include recommendations for antiviral treatment discontinuation for treatment futility. Refer to

86 pegylated interferon and ribavirin prescribing information for discontinuation recommendations
87 for antiviral treatment futility.

88 PROMACTA should be discontinued when antiviral therapy is discontinued. Excessive
89 platelet count responses, as outlined in Table 2, or important liver test abnormalities also
90 necessitate discontinuation of PROMACTA [see *Warnings and Precautions (5.1)*].

91 **2.3 Administration**

92 Take PROMACTA on an empty stomach (1 hour before or 2 hours after a meal) [see
93 *Clinical Pharmacology (12.3)*].

94 Allow at least a 4-hour interval between PROMACTA and other medications (e.g.,
95 antacids), calcium-rich foods (e.g., dairy products and calcium fortified juices), or supplements
96 containing polyvalent cations such as iron, calcium, aluminum, magnesium, selenium, and zinc
97 [see *Drug Interactions (7.1)*].

98 **3 DOSAGE FORMS AND STRENGTHS**

- 99 • 12.5 mg tablets — round, biconvex, white, film-coated tablets debossed with GS MZ1 and
100 12.5 on one side. Each tablet, for oral administration, contains eltrombopag olamine,
101 equivalent to 12.5 mg of eltrombopag free acid.
- 102 • 25 mg tablets — round, biconvex, orange, film-coated tablets debossed with GS NX3 and 25
103 on one side. Each tablet, for oral administration, contains eltrombopag olamine, equivalent to
104 25 mg of eltrombopag free acid.
- 105 • 50 mg tablets — round, biconvex, blue, film-coated tablets debossed with GS UFU and 50 on
106 one side. Each tablet, for oral administration, contains eltrombopag olamine, equivalent to 50
107 mg of eltrombopag free acid.
- 108 • 75 mg tablets — round, biconvex, pink, film-coated tablets debossed with GS FFS and 75 on
109 one side. Each tablet, for oral administration, contains eltrombopag olamine, equivalent to
110 75 mg of eltrombopag free acid.
- 111 • 100 mg tablets — round, biconvex, green, film-coated tablets debossed with GS 1L5. Each
112 tablet, for oral administration, contains eltrombopag olamine, equivalent to 100 mg of
113 eltrombopag free acid.

114 **4 CONTRAINDICATIONS**

115 None.

116 **5 WARNINGS AND PRECAUTIONS**

117 **5.1 Hepatic Decompensation in Patients With Chronic Hepatitis C**

118 In patients with chronic hepatitis C, PROMACTA in combination with interferon and
119 ribavirin may increase the risk of hepatic decompensation. In two controlled clinical trials in
120 patients with chronic hepatitis C and thrombocytopenia, ascites and encephalopathy occurred
121 more frequently on the arm receiving PROMACTA plus antivirals treatment (7%) than the
122 placebo plus antivirals arm (4%). Patients with low albumin levels (<3.5 g/dL) or Model for
123 End-Stage Liver Disease (MELD) score ≥ 10 at baseline had a greater risk for hepatic

124 | decompensation on the arm receiving PROMACTA plus antivirals treatment. Discontinue
125 | PROMACTA if antiviral therapy is discontinued.

126 | **5.2 Hepatotoxicity**

127 | PROMACTA can cause liver enzyme elevations [*see Adverse Reactions (6.1)*]. Measure
128 | serum ALT, AST, and bilirubin prior to initiation of PROMACTA, every 2 weeks during the
129 | dose adjustment phase, and monthly following establishment of a stable dose. PROMACTA
130 | inhibits UGT1A1 and OATP1B1, which may lead to indirect hyperbilirubinemia. If bilirubin is
131 | elevated, perform fractionation. Evaluate abnormal serum liver tests with repeat testing within 3
132 | to 5 days. If the abnormalities are confirmed, monitor serum liver tests weekly until resolved or
133 | stabilized. Discontinue PROMACTA if ALT levels increase to $\geq 3X$ ULN in patients with normal
134 | liver function or $\geq 3X$ baseline in patients with pre-treatment elevations in transaminases and are:

- 135 | • progressively increasing, or
- 136 | • persistent for ≥ 4 weeks, or
- 137 | • accompanied by increased direct bilirubin, or
- 138 | • accompanied by clinical symptoms of liver injury or evidence for hepatic decompensation.

139 | If the potential benefit for reinitiating treatment with PROMACTA is considered to
140 | outweigh the risk for hepatotoxicity, then consider cautiously reintroducing PROMACTA and
141 | measure serum liver tests weekly during the dose adjustment phase. Hepatotoxicity may reoccur
142 | if PROMACTA is reinitiated. If liver tests abnormalities persist, worsen or recur, then
143 | permanently discontinue PROMACTA.

144 | **5.3 Thrombotic/Thromboembolic Complications**

145 | In 2 controlled clinical trials in patients with chronic hepatitis C and thrombocytopenia,
146 | 3% (31/955) treated with PROMACTA experienced a thrombotic event compared to 1% (5/484)
147 | on placebo. The majority of events were of the portal venous system (1% in patients treated with
148 | PROMACTA versus $< 1\%$ for placebo).

149 | Thrombotic/thromboembolic complications may result from increases in platelet counts
150 | with PROMACTA. Reported thrombotic/thromboembolic complications included both venous
151 | and arterial events and were observed at low and at normal platelet counts.

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

158 | In a controlled trial in non-ITP thrombocytopenic patients with chronic liver disease
159 | undergoing elective invasive procedures (N = 292), the risk of thrombotic events was increased
160 | in patients treated with 75 mg PROMACTA once daily. Seven thrombotic complications (six
161 | patients) were reported in the group that received PROMACTA and three thrombotic
162 | complications were reported in the placebo group (two patients). All of the thrombotic
163 | complications reported in the group that received PROMACTA were portal vein thrombosis

164 (PVT). Symptoms of PVT included abdominal pain, nausea, vomiting, and diarrhea. Five of the
165 six patients in the group that received PROMACTA experienced a thrombotic complication
166 within 30 days of completing treatment with PROMACTA and at a platelet count above $200 \times$
167 $10^9/L$. The risk of portal venous thrombosis was increased in thrombocytopenic patients with
168 chronic liver disease treated with 75 mg PROMACTA once daily for 2 weeks in preparation for
169 invasive procedures.

170 **5.4 Cataracts**

171 In the 3 controlled clinical trials in chronic ITP, cataracts developed or worsened in 15
172 (7%) patients who received 50 mg PROMACTA daily and 8 (7%) placebo-group patients. In the
173 extension trial, cataracts developed or worsened in 4% of patients who underwent ocular
174 examination prior to therapy with PROMACTA. In the 2 controlled clinical trials in patients with
175 chronic hepatitis C and thrombocytopenia, cataracts developed or worsened in 8% patients
176 treated with PROMACTA and 5% patients treated with placebo.

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

181 **6 ADVERSE REACTIONS**

182 The following serious adverse reactions associated with PROMACTA are described in
183 other sections.

- 184 • Hepatic Decompensation in Patients With Chronic Hepatitis C [*see Warnings and*
185 *Precautions (5.1)*]
- 186 • Hepatotoxicity [*see Warnings and Precautions (5.2)*]
- 187 • Thrombotic/Thromboembolic Complications [*see Warnings and Precautions (5.3)*]
- 188 • Cataracts [*see Warnings and Precautions (5.4)*]

189 **6.1 Clinical Trials Experience**

190 Because clinical trials are conducted under widely varying conditions, adverse reaction
191 rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical
192 trials of another drug and may not reflect the rates observed in practice.

193 Chronic Immune (Idiopathic) Thrombocytopenia: In clinical trials, hemorrhage was
194 the most common serious adverse reaction and most hemorrhagic reactions followed
195 discontinuation of PROMACTA. Other serious adverse reactions included
196 thrombotic/thromboembolic complications [*see Warnings and Precautions (5.3)*].

197 The data described below reflect exposure of PROMACTA to 446 patients with chronic
198 ITP aged 18 to 85, of whom 65% were female across the ITP clinical development program
199 including 3 placebo-controlled trials. PROMACTA was administered to 277 patients for at least
200 6 months and 202 patients for at least 1 year.

201 Table 3 presents the most common adverse drug reactions (experienced by $\geq 3\%$ of
 202 patients receiving PROMACTA) from the 3 placebo-controlled trials, with a higher incidence in
 203 PROMACTA versus placebo.

204

205 **Table 3. Adverse Reactions ($\geq 3\%$) from Three Placebo-Controlled Trials in Adults With**
 206 **Chronic Immune (Idiopathic) Thrombocytopenia**

Adverse Reaction	PROMACTA 50mg 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

207

208 In the 3 controlled clinical chronic ITP trials, alopecia, musculoskeletal pain, blood
 209 alkaline phosphatase increased, and dry mouth were the adverse reactions reported in 2% of
 210 patients treated with PROMACTA and in no patients who received placebo.

211 Among 299 patients with chronic ITP who received PROMACTA in the single-arm
 212 extension trial, the adverse reactions occurred in a pattern similar to that seen in the placebo-
 213 controlled trials. Table 4 presents the most common treatment-related adverse reactions
 214 (experienced by $\geq 3\%$ of patients receiving PROMACTA) from the extension trial.

215

216 **Table 4. Treatment-Related Adverse Reactions ($\geq 3\%$) from Extension Trial in Adults With**
 217 **Chronic Immune (Idiopathic) Thrombocytopenia**

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

218
 219 In the 3 controlled chronic ITP trials, serum liver test abnormalities (predominantly
 220 Grade 2 or less in severity) were reported in 11% and 7% of the PROMACTA and placebo
 221 groups, respectively. Four patients (1%) treated with PROMACTA and three patients in the
 222 placebo group (2%) discontinued treatment due to hepatobiliary laboratory abnormalities. Seven
 223 of the patients treated with PROMACTA in the controlled trials with hepatobiliary laboratory
 224 abnormalities were re-exposed to PROMACTA in the extension trial. Six of these patients again
 225 experienced liver test abnormalities (predominantly Grade 1) resulting in discontinuation of
 226 PROMACTA in one patient. In the extension chronic ITP trial, one additional patient had
 227 PROMACTA discontinued due to liver test abnormalities (\leq Grade 3).

228 In a placebo-controlled trial of PROMACTA in non-ITP thrombocytopenic patients with
 229 chronic liver disease, six patients in the PROMACTA group and one patient in the placebo group
 230 developed portal vein thromboses [*see Warnings and Precautions (5.4)*].

231 **Chronic Hepatitis C-Associated Thrombocytopenia:** In the 2 placebo-controlled
 232 trials, 955 patients with chronic hepatitis C-associated thrombocytopenia received PROMACTA.
 233 Table 5 presents the most common adverse drug reactions (experienced by $\geq 10\%$ of patients
 234 receiving PROMACTA compared to placebo).
 235

236 **Table 5. Adverse Reactions ($\geq 10\%$ and Greater than Placebo) from Two Placebo-**
 237 **Controlled Trials in Adults With Chronic Hepatitis C**

Adverse Reaction	PROMACTA + Peginterferon/Ribavirin n = 955 (%)	Placebo + Peginterferon/Ribavirin n = 484 (%)
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

238
 239 In the 2 controlled clinical trials in patients with chronic hepatitis C, hyperbilirubinemia
 240 was reported in 8% of patients receiving PROMACTA compared to 3% for placebo. Total
 241 bilirubin ≥ 1.5 X ULN was reported in 76% and 50% of patients receiving PROMACTA and
 242 placebo, respectively. ALT or AST ≥ 3 X ULN was reported in 34% and 38% of the
 243 PROMACTA and placebo groups, respectively.

244 **7 DRUG INTERACTIONS**

245 *In vitro*, CYP1A2, CYP2C8, UDP-glucuronosyltransferase (UGT)1A1 and UGT1A3 are
 246 involved in the metabolism of eltrombopag. *In vitro*, eltrombopag inhibits the following
 247 metabolic or transporter systems: CYP2C8, CYP2C9, UGT1A1, UGT1A3, UGT1A4, UGT1A6,
 248 UGT1A9, UGT2B7, UGT2B15, OATP1B1 and breast cancer resistance protein (BCRP) [see
 249 *Clinical Pharmacology (12.3)*].

250 **7.1 Polyvalent Cations (Chelation)**

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

255 PROMACTA must not be taken within 4 hours of any medications or products
256 containing polyvalent cations such as antacids, dairy products, and mineral supplements to avoid
257 significant reduction in PROMACTA absorption due to chelation [*see Dosage and*
258 *Administration (2.3)*].

259 **7.2 Transporters**

260 Co-administration of PROMACTA with the OATP1B1 and BCRP substrate,
261 rosuvastatin, to healthy adult subjects increased plasma rosuvastatin AUC_{0-∞} by 55% and C_{max} by
262 103% [*see Clinical Pharmacology (12.3)*].

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

271 **7.3 Lopinavir/ritonavir**

272 In a drug interaction trial, co-administration of PROMACTA with lopinavir/ritonavir
273 (LPV/RTV) decreased plasma eltrombopag exposure by 17% [*see Clinical Pharmacology*
274 *(12.3)*]. No dose adjustment is recommended when PROMACTA is co-administered with
275 LPV/RTV. Drug interactions with other HIV protease inhibitors have not been evaluated.

276 **7.4 Peginterferon Alfa 2a/b Therapy**

277 Co-administration of peginterferon alfa 2a (PEGASYS®) or 2b (PEGINTRON®) did not
278 affect eltrombopag exposure in 2 randomized, double-blind, placebo-controlled trials with adult
279 patients with chronic hepatitis C [*see Clinical Pharmacology (12.3)*].

280 **8 USE IN SPECIFIC POPULATIONS**

281 **8.1 Pregnancy**

282 Pregnancy Category C

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

287 **Pregnancy Registry:** A pregnancy registry has been established to collect information
288 about the effects of PROMACTA during pregnancy. Physicians are encouraged to register
289 pregnant patients, or pregnant women may enroll themselves in the PROMACTA pregnancy
290 registry by calling 1-888-825-5249.

291 In an early embryonic development study, female rats received oral eltrombopag at doses
292 of 10, 20, or 60 mg/kg/day (0.8, 2, and 6 times, respectively, the human clinical exposure based
293 on AUC in ITP patients at 75 mg/day and 0.3, 1, and 3 times, respectively, the human clinical

294 exposure based on AUC in chronic hepatitis C patients at 100 mg/day). Increased pre- and post-
295 implantation loss and reduced fetal weight were observed at the highest dose which also caused
296 maternal toxicity.

297 Eltrombopag was administered orally to pregnant rats at 10, 20, or 60 mg/kg/day (0.8, 2,
298 and 6 times, respectively, the human clinical exposure based on AUC in ITP patients at
299 75 mg/day and 0.3, 1, and 3 times, respectively, the human clinical exposure based on AUC in
300 chronic hepatitis C patients at 100 mg/day). Decreased fetal weights (6% to 7%) and a slight
301 increase in the presence of cervical ribs were observed at the highest dose which also caused
302 maternal toxicity. However, no evidence of major structural malformations was observed.

303 Pregnant rabbits were treated with oral eltrombopag doses of 30, 80, or 150 mg/kg/day
304 (0.04, 0.3, and 0.5 times, respectively, the human clinical exposure based on AUC in ITP
305 patients at 75 mg/day and 0.02, 0.1, and 0.3 times, respectively, the human clinical exposure
306 based on AUC in chronic hepatitis C patients at 100 mg/day). No evidence of fetotoxicity,
307 embryolethality, or teratogenicity was observed.

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

315 **8.3 Nursing Mothers**

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

320 **8.4 Pediatric Use**

321 The safety and efficacy of PROMACTA in pediatric patients have not been established.

322 **8.5 Geriatric Use**

323 Of the 106 patients in 2 randomized clinical trials of PROMACTA 50 mg in chronic ITP,
324 22% were 65 years of age and over, while 9% were 75 years of age and over. In the 2
325 randomized clinical trials of PROMACTA in patients with chronic hepatitis C and
326 thrombocytopenia, 7% were 65 years of age and over, while fewer than 1% were 75 years of age
327 and over. No overall differences in safety or effectiveness were observed between these patients
328 and younger patients in the placebo-controlled trials, but greater sensitivity of some older
329 individuals cannot be ruled out.

330 **8.6 Hepatic Impairment**

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

333 A reduction in the initial dose of PROMACTA in patients with chronic ITP is
334 recommended for patients with hepatic impairment (Child-Pugh Class A, B, C) [*see Dosage and*
335 *Administration (2.1) and Warnings and Precautions (5.1)*]. No dosage adjustment is necessary
336 for HCV patients with hepatic impairment [*see Clinical Pharmacology (12.3)*].

337 **8.7 Renal Impairment**

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

341 **8.8 Ethnicity**

342 Patients of East Asian ethnicity (i.e., Japanese, Chinese, Taiwanese, and Korean) exhibit
343 higher eltrombopag exposures. A reduction in the initial dose of PROMACTA is recommended
344 for ITP patients of East Asian ancestry and patients of East Asian ancestry with hepatic
345 impairment (Child-Pugh Class A, B, C) [*see Dosage and Administration (2.1)*]. No dose
346 reduction is needed in patients of East Asian ethnicity with chronic hepatitis C [*see Clinical*
347 *Pharmacology (12.3)*].

348 **10 OVERDOSAGE**

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

351 In one report, a subject who ingested 5,000 mg of PROMACTA had a platelet count
352 increase to a maximum of $929 \times 10^9/L$ at 13 days following the ingestion. The patient also
353 experienced rash, bradycardia, ALT/AST elevations, and fatigue. The patient was treated with
354 gastric lavage, oral lactulose, intravenous fluids, omeprazole, atropine, furosemide, calcium,
355 dexamethasone, and plasmapheresis; however, the abnormal platelet count and liver test
356 abnormalities persisted for 3 weeks. After 2 months follow-up, all events had resolved without
357 sequelae.

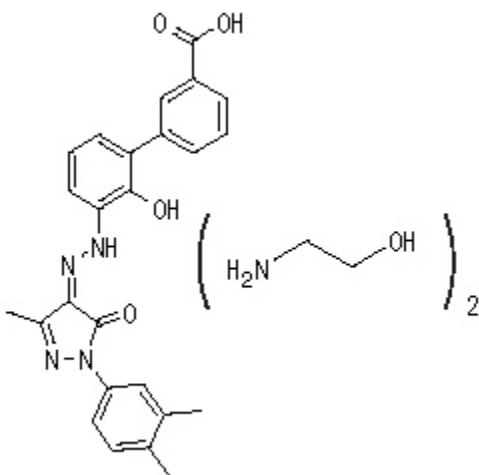
358 In case of an overdose, consider oral administration of a metal cation-containing
359 preparation, such as calcium, aluminum, or magnesium preparations to chelate eltrombopag and
360 thus limit absorption. Closely monitor platelet counts. Reinitiate treatment with PROMACTA in
361 accordance with dosing and administration recommendations [*see Dosage and Administration*
362 *(2.1, 2.2)*].

363 **11 DESCRIPTION**

364 PROMACTA (eltrombopag) tablets contain eltrombopag olamine, a small molecule
365 thrombopoietin (TPO) receptor agonist for oral administration. Eltrombopag interacts with the
366 transmembrane domain of the TPO receptor (also known as cMpl) leading to increased platelet
367 production. Each tablet contains eltrombopag olamine in the amount equivalent to 12.5 mg,
368 25 mg, 50 mg, 75 mg, or 100 mg of eltrombopag free acid.

369 Eltrombopag olamine is a biphenyl hydrazone. The chemical name for eltrombopag
370 olamine is 3'-{(2Z)-2-[1-(3,4-dimethylphenyl)-3-methyl-5-oxo-1,5-dihydro-4H-pyrazol-4-
371 ylidene]hydrazino}-2'-hydroxy-3-biphenylcarboxylic acid - 2-aminoethanol (1:2). It has the

372 molecular formula $C_{25}H_{22}N_4O_4 \bullet 2(C_2H_7NO)$. The molecular weight is 564.65 for eltrombopag
373 olamine and 442.5 for eltrombopag free acid. Eltrombopag olamine has the following structural
374 formula:



375
376 Eltrombopag olamine is practically insoluble in aqueous buffer across a pH range of 1 to
377 7.4, and is sparingly soluble in water.

378 The inactive ingredients of PROMACTA are: **Tablet Core:** magnesium stearate,
379 mannitol, microcrystalline cellulose, povidone, and sodium starch glycolate. **Coating:**
380 hypromellose (12.5 mg, 25 mg, 50 mg, and 75 mg tablets) or polyvinyl alcohol and talc (100 mg
381 tablet), polyethylene glycol 400, titanium dioxide, polysorbate 80 (12.5 mg tablet), FD&C
382 Yellow No. 6 aluminum lake (25 mg tablet), FD&C Blue No. 2 aluminum lake (50 mg tablet),
383 Iron Oxide Red and Iron Oxide Black (75 mg tablet), or Iron Oxide Yellow and Iron Oxide
384 Black (100 mg tablet).

385 12 CLINICAL PHARMACOLOGY

386 12.1 Mechanism of Action

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

390 12.3 Pharmacokinetics

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

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

399 **Distribution:** The concentration of eltrombopag in blood cells is approximately 50% to
400 79% of plasma concentrations based on a radiolabel study. *In vitro* studies suggest that

401 eltrombopag is highly bound to human plasma proteins (>99%). Eltrombopag is a substrate of
402 BCRP, but is not a substrate for P-glycoprotein (P-gp) or OATP1B1.

403 **Metabolism:** Absorbed eltrombopag is extensively metabolized, predominantly through
404 pathways including cleavage, oxidation, and conjugation with glucuronic acid, glutathione, or
405 cysteine. *In vitro* studies suggest that CYP1A2 and CYP2C8 are responsible for the oxidative
406 metabolism of eltrombopag. UGT1A1 and UGT1A3 are responsible for the glucuronidation of
407 eltrombopag.

408 **Elimination:** The predominant route of eltrombopag excretion is via feces (59%), and
409 31% of the dose is found in the urine. Unchanged eltrombopag in feces accounts for
410 approximately 20% of the dose; unchanged eltrombopag is not detectable in urine. The plasma
411 elimination half-life of eltrombopag is approximately 21 to 32 hours in healthy subjects and 26
412 to 35 hours in ITP patients.

413 **Drug Interactions: Polyvalent Cation-containing Antacids:** In a clinical trial, co-
414 administration of 75 mg of PROMACTA with a polyvalent cation-containing antacid (1,524 mg
415 aluminum hydroxide, 1,425 mg magnesium carbonate, and sodium alginate) to 26 healthy adult
416 subjects decreased plasma eltrombopag AUC_{0-∞} and C_{max} by approximately 70%. The
417 contribution of sodium alginate to this interaction is not known.

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

423 **Rosuvastatin:** In a clinical trial, co-administration of 75 mg of PROMACTA once
424 daily for 5 days with a single 10 mg dose of the OATP1B1 and BCRP substrate, rosuvastatin to
425 39 healthy adult subjects increased plasma rosuvastatin AUC_{0-∞} by 55% and C_{max} by 103%.

426 **Lopinavir/Ritonavir:** In a clinical trial, co-administration of repeat dose lopinavir 400
427 mg /ritonavir 100 mg twice daily with a single dose of PROMACTA 100 mg to 40 healthy adult
428 subjects decreased plasma eltrombopag AUC_{0-∞} by 17%.

429 **Pegylated Interferon alfa-2a + Ribavirin and Pegylated Interferon alfa-2b +**
430 **Ribavirin:** The pharmacokinetics of eltrombopag in both the presence and absence of pegylated
431 interferon alfa 2a and 2b therapy were evaluated using a population pharmacokinetic analysis in
432 635 patients with chronic hepatitis C. The population PK model estimates of clearance indicate
433 no significant difference in eltrombopag clearance in the presence of pegylated interferon alfa
434 plus ribavirin therapy.

435 **In vitro Studies:** Eltrombopag is an inhibitor of CYP2C8 and CYP2C9 *in vitro*.
436 Eltrombopag is an inhibitor of UGT1A1, UGT1A3, UGT1A4, UGT1A6, UGT1A9, UGT2B7,
437 and UGT2B15 *in vitro*. Eltrombopag is an inhibitor of the organic anion transporting polypeptide
438 OATP1B1 and BCRP *in vitro*.

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

441 Taiwanese, and Korean) subjects exhibited 50 to 55% higher eltrombopag plasma concentrations
442 compared to non-East Asian subjects [see Dosage and Administration (2.1, 2.2)].

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

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

455 **Chronic Liver Disease:** A population PK analysis in thrombocytopenic patients with
456 chronic liver disease following repeat doses of eltrombopag demonstrated that mild hepatic
457 impairment resulted in an 87% to 110% higher plasma eltrombopag $AUC_{(0-\tau)}$ and patients with
458 moderate hepatic impairment had approximately 141% to 240% higher plasma eltrombopag
459 $AUC_{(0-\tau)}$ values compared to patients with normal hepatic function. The half-life of eltrombopag
460 was prolonged 3-fold in patients with mild hepatic impairment and 4-fold in patients with
461 moderate hepatic impairment. This clinical trial did not evaluate protein binding effects.

462 **Chronic Hepatitis C:** A population PK in 28 healthy adults and 635 patients with
463 chronic hepatitis C demonstrated that patients with chronic hepatitis C treated with PROMACTA
464 had higher plasma $AUC_{(0-\tau)}$ values as compared to healthy subjects, and $AUC_{(0-\tau)}$ increased with
465 increasing Child-Pugh score. Patients with chronic hepatitis C and mild hepatic impairment had
466 approximately 100% to 144% higher plasma $AUC_{(0-\tau)}$ compared with healthy subjects. This
467 clinical trial did not evaluate protein binding effects.

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

475 **12.6 Assessment of Risk of QT/QTc Prolongation**

476 There is no indication of a QT/QTc prolonging effect of PROMACTA at doses up to
477 150 mg daily for 5 days. The effects of PROMACTA at doses up to 150 mg daily for 5 days
478 (supratherapeutic doses) on the QT/QTc interval was evaluated in a double-blind, randomized,
479 placebo- and positive-controlled (moxifloxacin 400 mg, single oral dose) crossover trial in

480 healthy adult subjects. Assay sensitivity was confirmed by significant QTc prolongation by
481 moxifloxacin.

482 **13 NONCLINICAL TOXICOLOGY**

483 **13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility**

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

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

490 Eltrombopag was not mutagenic or clastogenic in a bacterial mutation assay or in 2 *in*
491 *vivo* assays in rats (micronucleus and unscheduled DNA synthesis, 10 times the human clinical
492 exposure based on C_{max} in ITP patients at 75 mg/day and 7 times the human clinical exposure
493 based on C_{max} in chronic hepatitis C patients at 100 mg/day). In the *in vitro* mouse lymphoma
494 assay, eltrombopag was marginally positive (<3-fold increase in mutation frequency).

495 Eltrombopag did not affect female fertility in rats at doses up to 20 mg/kg/day (2 times
496 the human clinical exposure based on AUC in ITP patients at 75 mg/day and similar to the
497 human clinical exposure based on AUC in chronic hepatitis C patients at 100 mg/day).

498 Eltrombopag did not affect male fertility in rats at doses up to 40 mg/kg/day, the highest dose
499 tested (3 times the human clinical exposure based on AUC in ITP patients at 75 mg/day and 2
500 times the human clinical exposure based on AUC in chronic hepatitis C patients at 100 mg/day).

501 **13.2 Animal Pharmacology/Toxicology**

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

504 Treatment-related cataracts were detected in rodents in a dose- and time-dependent
505 manner. At ≥ 6 times the human clinical exposure based on AUC in ITP patients at 75 mg/day
506 and 3 times the human clinical exposure based on AUC in chronic hepatitis C patients at 100
507 mg/day, cataracts were observed in mice after 6 weeks and in rats after 28 weeks of dosing. At
508 ≥ 4 times the human clinical exposure based on AUC in ITP patients at 75 mg/day and 2 times
509 the human clinical exposure based on AUC in chronic hepatitis C patients at 100 mg/day,
510 cataracts were observed in mice after 13 weeks and in rats after 39 weeks of dosing [*see*
511 *Warnings and Precautions (5.4)*].

512 Renal tubular toxicity was observed in studies up to 14 days in duration in mice and rats
513 at exposures that were generally associated with morbidity and mortality. Tubular toxicity was
514 also observed in a 2-year oral carcinogenicity study in mice at doses of 25, 75, and
515 150 mg/kg/day. The exposure at the lowest dose was 1.2 times the human clinical exposure
516 based on AUC in ITP patients at 75 mg/day and 0.6 times the human clinical exposure based on
517 AUC in chronic hepatitis C patients at 100 mg/day. No similar effects were observed in mice

518 after 13 weeks at exposures greater than those associated with renal changes in the 2-year study,
519 suggesting that this effect is both dose- and time-dependent.

520 **14 CLINICAL STUDIES**

521 **14.1 Chronic ITP**

522 The efficacy and safety of PROMACTA in adult patients with chronic ITP were
523 evaluated in 3 randomized, double-blind, placebo-controlled trials and in an open-label extension
524 trial.

525 Trials 1 and 2: In trials 1 and 2, patients who had completed at least one prior ITP
526 therapy and who had a platelet count $<30 \times 10^9/L$ were randomized to receive either
527 PROMACTA or placebo daily for up to 6 weeks, followed by 6 weeks off therapy. During the
528 trials, PROMACTA or placebo was discontinued if the platelet count exceeded $200 \times 10^9/L$. The
529 primary efficacy endpoint was response rate, defined as a shift from a baseline platelet count of
530 $<30 \times 10^9/L$ to $\geq 50 \times 10^9/L$ at any time during the treatment period.

531 The median age of the patients was 50 years and 60% were female. Approximately 70%
532 of the patients had received at least 2 prior ITP therapies (predominantly corticosteroids,
533 immunoglobulins, rituximab, cytotoxic therapies, danazol, and azathioprine) and 40% of the
534 patients had undergone splenectomy. The median baseline platelet counts (approximately $18 \times$
535 $10^9/L$) were similar among all treatment groups.

536 Trial 1 randomized 114 patients (2:1) to PROMACTA 50 mg or placebo. Trial 2
537 randomized 117 patients (1:1:1:1) among placebo or 1 of 3 dose regimens of PROMACTA,
538 30 mg, 50 mg, or 75 mg each administered daily.

539 Table 6 shows for each trial the primary efficacy outcomes for the placebo groups and the
540 patient groups who received the 50 mg daily regimen of PROMACTA.

541
542 **Table 6. Trials 1 and 2 Platelet Count Response ($\geq 50 \times 10^9/L$) Rates in Adults With Chronic**
543 **Immune (Idiopathic) Thrombocytopenia**

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

544 ^a *P* value <0.001 for PROMACTA versus placebo.

545
546 The platelet count response to PROMACTA was similar among patients who had or had
547 not undergone splenectomy. In general, increases in platelet counts were detected 1 week
548 following initiation of PROMACTA and the maximum response was observed after 2 weeks of
549 therapy. In the placebo and 50 mg dose groups of PROMACTA, the trial drug was discontinued
550 due to an increase in platelet counts to $>200 \times 10^9/L$ in 3% and 27% of the patients, respectively.
551 The median duration of treatment with the 50 mg dose of PROMACTA was 42 days in Trial 1
552 and 43 days in Trial 2.

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

557 **Trial 3:** In this trial, 197 patients were randomized (2:1) to receive either PROMACTA
558 50 mg once daily (n = 135) or placebo (n = 62) for 6 months, during which time the dose of
559 PROMACTA could be adjusted based on individual platelet counts. Patients were allowed to
560 taper or discontinue concomitant ITP medications after being treated with PROMACTA for
561 6 weeks. Patients were permitted to receive rescue treatments at any time during the trial as
562 clinically indicated. The primary endpoint was the odds of achieving a platelet count $\geq 50 \times 10^9/L$
563 and $\leq 400 \times 10^9/L$ for patients receiving PROMACTA relative to placebo and was based on
564 patient response profiles throughout the 6-month treatment period.

565 The median age of the patients treated with PROMACTA and placebo was 47 years and
566 52.5 years, respectively. Approximately half of the patients treated with PROMACTA and
567 placebo (47% and 50%, respectively) were receiving concomitant ITP medication
568 (predominantly corticosteroids) at randomization and had baseline platelet counts $\leq 15 \times 10^9/L$
569 (50% and 48%, respectively). A similar percentage of patients treated with PROMACTA and
570 placebo (37% and 34%, respectively) had a prior splenectomy.

571 In 134 patients who completed 26 weeks of treatment, a sustained platelet response
572 (platelet count $\geq 50 \times 10^9/L$ and $\leq 400 \times 10^9/L$ for 6 out of the last 8 weeks of the 26-week
573 treatment period in the absence of rescue medication at any time) was achieved by 60% of
574 patients treated with PROMACTA, compared to 10% of patients treated with placebo
575 (splenectomized patients: PROMACTA 51%, placebo 8%; non-splenectomized patients:
576 PROMACTA 66%, placebo 11%). The proportion of responders in the PROMACTA treatment
577 group was between 37% and 56% compared to 7% and 19% in the placebo treatment group for
578 all on-therapy visits. Patients treated with PROMACTA were significantly more likely to
579 achieve a platelet count between $50 \times 10^9/L$ and $400 \times 10^9/L$ during the entire 6-month treatment
580 period compared to those patients treated with placebo.

581 Outcomes of treatment are presented in Table 7 for all patients enrolled in the trial.

582

583 **Table 7. Outcomes of Treatment from Trial 3 in Adults With Chronic Immune (Idiopathic)**
584 **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)

585

586 Among 94 patients receiving other ITP therapy at baseline, 37 (59%) of 63 patients in the
587 PROMACTA group and 10 (32%) of 31 patients in the placebo group discontinued concomitant
588 therapy at some time during the trial.

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

595 **14.2 Chronic Hepatitis C-Associated Thrombocytopenia**

596 The efficacy and safety of PROMACTA for the treatment of thrombocytopenia in adult
597 patients with chronic hepatitis C were evaluated in 2 randomized, double-blind, placebo-
598 controlled trials. Trial 1 utilized peginterferon alfa-2a (PEGASYS[®]) plus ribavirin for antiviral
599 treatment and Trial 2 utilized peginterferon alfa-2b (PEGINTRON[®]) plus ribavirin. In both trials,
600 patients with a platelet count of $<75 \times 10^9/L$ were enrolled and stratified by platelet count,
601 screening HCV RNA, and HCV genotype. Patients were excluded if they had evidence of
602 decompensated liver disease with Child-Pugh score > 6 (class B and C), history of ascites, or
603 hepatic encephalopathy. The median age of the patients in both trials was 52 years, 63% were
604 male, and 74% were Caucasian. Sixty-nine percent of patients had HCV genotypes 1, 4, 6 with
605 the remainder genotypes 2 and 3. Approximately 30% of patients had been previously treated
606 with interferon and ribavirin. The majority of patients (90%) had bridging fibrosis and cirrhosis,
607 as indicated by noninvasive testing. A similar proportion (95%) of patients in both treatment
608 groups had Child-Pugh level A (score 5-6) at baseline. A similar proportion of patients (2%) in
609 both treatment groups had baseline international normalized ratio (INR) > 1.7 . Median baseline
610 platelet counts (approximately $60 \times 10^9/L$) were similar in both treatment groups. The trials
611 consisted of two phases – a pre-antiviral treatment phase and an antiviral treatment phase. In the
612 pre-antiviral treatment phase, patients received open-label PROMACTA to increase the platelet
613 count to a threshold of $\geq 90 \times 10^9/L$ for Trial 1 and $\geq 100 \times 10^9/L$ for Trial 2. PROMACTA was
614 administered at an initial dose of 25 mg once daily for 2 weeks and increased in 25 mg
615 increments over 2 to 3 week periods to achieve the optimal platelet count to initiate antiviral
616 therapy. The maximal time patients could receive open-label PROMACTA was 9 weeks. If
617 threshold platelet counts were achieved, patients were randomized (2:1) to the same dose of
618 PROMACTA at the end of the pre-treatment phase or to placebo. PROMACTA was
619 administered in combination with pegylated interferon and ribavirin per their respective
620 prescribing information for up to 48 weeks.

621 The primary efficacy endpoint for both trials was sustained virologic response (SVR)
622 defined as the percentage of patients with undetectable HCV-RNA at 24 weeks after completion
623 of antiviral treatment. The median time to achieve the target platelet count $\geq 90 \times 10^9/L$ was
624 approximately 2 weeks. Ninety-five percent of patients were able to initiate antiviral therapy.

625 In both trials, a significantly greater proportion of patients treated with PROMACTA
626 achieved SVR (see Table 8). The improvement in the proportion of patients who achieved SVR
627 was consistent across subgroups based on baseline platelet count ($<50 \times 10^9/L$ versus $\geq 50 \times$

628 10⁹/L). In patients with high baseline viral loads (≥800,000), the SVR rate was 18% (82/452) for
 629 PROMACTA versus 8% (20/239) for placebo.

630

631 **Table 8. Trials 1 and 2 Sustained Virologic Response in Adults With Chronic Hepatitis C**

	Trial 1^a		Trial 2^b	
Pre-antiviral Treatment Phase	N = 715		N = 805	
% Patients who achieved target platelet counts and initiated antiviral therapy ^c	95%		94%	
	PROMACTA	Placebo	PROMACTA	Placebo
	N = 450	N = 232	N = 506	N = 253
Antiviral Treatment Phase	%	%	%	%
Overall SVR^d	23	14	19	13
HCV Genotype 2,3	35	24	34	25
HCV Genotype 1,4,6	18	10	13	7

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

635 ^b PROMACTA given in combination with peginterferon alfa-2b (1.5 mcg/kg once weekly for
 636 48 weeks for genotypes 1/4/6; 24 weeks for genotype 2 or 3) plus ribavirin (800 to 1,400 mg
 637 daily in 2 divided doses orally).

638 ^c Target platelet count was ≥90 x 10⁹/L for Trial 1 and ≥100 x 10⁹/L for Trial 2.

639 ^d P value <0.05 for PROMACTA versus placebo.

640

641 The majority of patients treated with PROMACTA (76%) maintained a platelet count
 642 ≥50 x 10⁹/L compared to 19% for placebo. A greater proportion of patients on PROMACTA did
 643 not require any antiviral dose reduction as compared to placebo (45% versus 27%).

644 **16 HOW SUPPLIED/STORAGE AND HANDLING**

- 645 • The 12.5 mg tablets are round, biconvex, white, film-coated tablets debossed with GS MZ1
 646 and 12.5 on one side and are available in bottles of 30: NDC 0007-4643-13.
- 647 • The 25 mg tablets are round, biconvex, orange, film-coated tablets debossed with GS NX3
 648 and 25 on one side and are available in bottles of 30: NDC 0007-4640-13.
- 649 • The 50 mg tablets are round, biconvex, blue, film-coated tablets debossed with GS UFU and
 650 50 on one side and are available in bottles of 30: NDC 0007-4641-13.
- 651 • The 75 mg tablets are round, biconvex, pink, film-coated tablets debossed with GS FFS and
 652 75 on one side and are available in bottles of 30: NDC 0007-4642-13.
- 653 • The 100 mg tablets are round, biconvex, green, film-coated tablets debossed with GS 1L5
 654 and are available in bottles of 30: NDC 0007-4646-13. This product contains a desiccant.

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

658 **17 PATIENT COUNSELING INFORMATION**

659 See FDA-approved patient labeling (Medication Guide).

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

- 662 • For patients with chronic ITP, therapy with PROMACTA is administered to achieve and
663 maintain a platelet count $\geq 50 \times 10^9/L$ as necessary to reduce the risk for bleeding.
- 664 • For patients with chronic hepatitis C, therapy with PROMACTA is administered to achieve
665 and maintain a platelet count necessary to initiate and maintain antiviral therapy with
666 pegylated interferon and ribavirin.
- 667 • Therapy with PROMACTA may be associated with hepatobiliary laboratory abnormalities.
- 668 • Advise patients with chronic hepatitis C and cirrhosis that they may be at risk for hepatic
669 decompensation when receiving alfa interferon therapy.
- 670 • Advise patients that they should report any of the following signs and symptoms of liver
671 problems to their healthcare provider right away.
 - 672 • yellowing of the skin or the whites of the eyes (jaundice)
 - 673 • unusual darkening of the urine
 - 674 • unusual tiredness
 - 675 • right upper stomach area pain
 - 676 • confusion
 - 677 • swelling of the stomach area (abdomen)
- 678 • Advise patients that thrombocytopenia and risk of bleeding may reoccur upon discontinuing
679 PROMACTA, particularly if PROMACTA is discontinued while the patient is on
680 anticoagulants or antiplatelet agents.
- 681 • Advise patients that too much PROMACTA may result in excessive platelet counts and a risk
682 for thrombotic/thromboembolic complications.
- 683 • Advise patients that during therapy with PROMACTA, they should continue to avoid
684 situations or medications that may increase the risk for bleeding.
- 685 • Advise patients to have a baseline ocular examination prior to administration of
686 PROMACTA and be monitored for signs and symptoms of cataracts during therapy.
- 687 • Advise patients to keep at least a 4-hour interval between PROMACTA and foods, mineral
688 supplements, and antacids which contain polyvalent cations such as iron, calcium, aluminum,
689 magnesium, selenium, and zinc.

690

691 PROMACTA is a registered trademark of the GlaxoSmithKline group of companies. The
692 following are registered trademarks of their respective owners: PEGASYS/Hoffmann-La Roche
693 Inc.; PEGINTRON/Schering Corporation.



694

695 GlaxoSmithKline

696 Research Triangle Park, NC 27709

697

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699

700 PRM:XPI

701

702 **MEDICATION GUIDE**

703
704 **PROMACTA® (pro-MAC-ta)**
705 **(eltrombopag)**
706 **tablets**
707

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

712
713 **What is the most important information I should know about PROMACTA?**
714

715 PROMACTA can cause serious side effects, including:

716
717 **Liver problems.** If you have chronic hepatitis C virus, and take PROMACTA with
718 interferon and ribavirin treatment, PROMACTA may increase your risk of liver
719 problems. Tell your healthcare provider right away if you have any of these signs
720 and symptoms of liver problems:

- 721 • yellowing of the skin or the whites of the eyes (jaundice)
- 722 • unusual darkening of the urine
- 723 • unusual tiredness
- 724 • right upper stomach area pain
- 725 • confusion
- 726 • swelling of the stomach area (abdomen)

727
728 **See “What are the possible side effects of PROMACTA?” for other side**
729 **effects of PROMACTA.**

730
731 **What is PROMACTA?**
732

733 PROMACTA is a prescription medicine used to treat low blood platelet counts in
734 people with:

- 735 • chronic immune (idiopathic) thrombocytopenia (ITP), when other medicines to
736 treat your ITP or surgery to remove the spleen have not worked well enough
- 737 • chronic hepatitis C virus (HCV) infection before and during treatment with
738 interferon

739
740 PROMACTA is used to try to raise your platelet count in order to lower your risk for
741 bleeding.

742
743 PROMACTA is not used to make your platelet count normal.
744
745 PROMACTA is for treatment of certain people with low platelet counts caused by
746 chronic ITP or chronic HCV, not low platelet counts caused by other conditions or
747 diseases.

748
749 It is not known if PROMACTA is safe and effective when used with other antiviral
750 medicines that are approved to treat chronic hepatitis C.

751
752 It is not known if PROMACTA is safe and effective in children.

753
754 **What should I tell my healthcare provider before taking PROMACTA?**

755
756 **Before you take PROMACTA, tell your healthcare provider if you:**

- 757 • have liver or kidney problems
758 • have or had a blood clot
759 • have a history of cataracts
760 • have had surgery to remove your spleen (splenectomy)
761 • have bleeding problems
762 • are Asian and you are of Chinese, Japanese, Taiwanese, or Korean ancestry. You
763 may need a lower dose of PROMACTA.
764 • have any other medical conditions
765 • are pregnant or plan to become pregnant. It is not known if PROMACTA will
766 harm an unborn baby.

767 ***Pregnancy Registry:*** There is a registry for women who become pregnant
768 during treatment with PROMACTA. If you become pregnant, consider this
769 registry. The purpose of the registry is to collect safety information about the
770 health of you and your baby. Contact the registry as soon as you become aware
771 of the pregnancy, or ask your healthcare provider to contact the registry for
772 you. You and your healthcare provider can get information and enroll in the
773 registry by calling 1-888-825-5249.

- 774 • are breastfeeding or plan to breastfeed. It is not known if PROMACTA passes
775 into your breast milk. You and your healthcare provider should decide whether
776 you will take PROMACTA or breastfeed. You should not do both.

777
778 **Tell your healthcare provider about all the medicines you take**, including
779 prescription and over-the-counter medicines, vitamins, and herbal supplements.
780 PROMACTA may affect the way certain medicines work. Certain other medicines
781 may affect the way PROMACTA works.

782

783 Especially tell your healthcare provider if you take:

- 784 • certain medicines used to treat high cholesterol, called “statins”
- 785 • a blood thinner medicine

786

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

- 789 • antacids used to treat stomach ulcers or heartburn
- 790 • multivitamins or products that contain iron, calcium, aluminum, magnesium,
791 selenium, and zinc which may be found in mineral supplements

792

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

795

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

798

799 **How should I take PROMACTA?**

800

- 801 • Take PROMACTA exactly as your healthcare provider tells you to take it. Do not
802 stop taking PROMACTA without talking with your healthcare provider first. Do
803 not change your dose or schedule for taking PROMACTA unless your healthcare
804 provider tells you to change it.
- 805 • Take PROMACTA on an empty stomach, either 1 hour before or 2 hours after
806 eating food.
- 807 • Take PROMACTA at least 4 hours before or 4 hours after eating dairy products
808 and calcium fortified juices.
- 809 • If you miss a dose of PROMACTA, wait and take your next scheduled dose. Do
810 not take more than one dose of PROMACTA in one day.
- 811 • If you take too much PROMACTA, you may have a higher risk of serious side
812 effects. Call your healthcare provider right away.
- 813 • Your healthcare provider will check your platelet count during your treatment
814 with PROMACTA and change your dose of PROMACTA as needed.
- 815 • Tell your healthcare provider about any bruising or bleeding that happens while
816 you take and after you stop taking PROMACTA.

817

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

819

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

821

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

823

824 PROMACTA may cause serious side effects, including:

825

826 • See **“What is the most important information I should know about**
827 **PROMACTA?”**

828 • **Abnormal liver function tests.** Your healthcare provider will order blood tests
829 to check your liver before you start taking PROMACTA and during your
830 treatment. In some cases treatment with PROMACTA may need to be stopped
831 due to changes in your liver function tests.

832 • **High platelet counts and higher risk for blood clots.** Your risk of getting a
833 blood clot is increased if your platelet count is too high during treatment with
834 PROMACTA. Your risk of getting a blood clot may also be increased during
835 treatment with PROMACTA if you have normal or low platelet counts. You may
836 have severe problems or die from some forms of blood clots, such as clots that
837 travel to the lungs or that cause heart attacks or strokes. Your healthcare
838 provider will check your blood platelet counts, and change your dose or stop
839 PROMACTA if your platelet counts get too high. Tell your healthcare provider
840 right away if you have signs and symptoms of a blood clot in the leg, such as
841 swelling, pain, or tenderness in your leg.
842 People with chronic liver disease may be at risk for a type of blood clot in the
843 stomach area. Tell your healthcare provider right away if you have stomach area
844 pain that may be a symptom of this type of blood clot.

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

850

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

- 853 • nausea
- 854 • diarrhea
- 855 • upper respiratory tract infection. Symptoms may include runny nose, stuffy
856 nose, and sneezing
- 857 • vomiting
- 858 • muscle aches
- 859 • urinary tract infection. Symptoms may include frequent or urgent need to
860 urinate, low fever in some people, pain or burning with urination.
- 861 • pain or swelling (inflammation) in your throat or mouth (oropharyngeal pain and

- 862 pharyngitis)
- 863 • abnormal liver function tests
- 864 • back pain
- 865 • "flu" like symptoms (influenza) including fever, headache, tiredness, cough, sore
- 866 throat, and body aches
- 867 • skin tingling, itching, or burning
- 868 • rash

869

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

- 872 • low red blood cell count (anemia)
- 873 • fever
- 874 • tiredness
- 875 • headache
- 876 • nausea
- 877 • diarrhea
- 878 • decreased appetite
- 879 • "flu" like symptoms (influenza) including fever, headache, tiredness, cough, sore
- 880 throat, and body aches
- 881 • feeling weak
- 882 • trouble sleeping
- 883 • cough
- 884 • itching
- 885 • chills
- 886 • muscle aches
- 887 • hair loss
- 888 • swelling in your ankles, feet, and legs

889

890 Tell your healthcare provider if you have any side effect that bothers you or that
891 does not go away.

892

893 These are not all the possible side effects of PROMACTA. For more information, ask
894 your healthcare provider or pharmacist.

895

896 Call your doctor for medical advice about side effects. You may report side effects
897 to FDA at 1-800-FDA-1088.

898

899 **How should I store PROMACTA tablets?**

900

- 901 • Store PROMACTA at room temperature between 68°F to 77°F (20°C to 25°C).

- 902 • Keep PROMACTA tightly closed in the bottle given to you.
903 • The PROMACTA bottle may contain a desiccant pack to help keep your medicine
904 dry. Do not remove the desiccant pack from the bottle.

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

906

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

908

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

913

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

918

919 For more information about PROMACTA, go to www.PROMACTA.com or call 1-888-
920 825-5249.

921

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

923

924 **Active ingredient:** eltrombopag olamine.

925 **Inactive ingredients:**

- 926 • **Tablet Core:** magnesium stearate, mannitol, microcrystalline cellulose,
927 povidone, and sodium starch glycolate.
- 928 • **Coating:** hypromellose (12.5 mg, 25 mg, 50 mg, and 75 mg tablets) or
929 polyvinyl alcohol and talc (100 mg tablet), polyethylene glycol 400, titanium
930 dioxide, polysorbate 80 (12.5 mg tablet), and FD&C Yellow No. 6 aluminum lake
931 (25 mg tablet), FD&C Blue No. 2 aluminum lake (50 mg tablet), Iron Oxide Red
932 and Iron Oxide Black (75 mg tablet), or Iron Oxide Yellow and Iron Oxide Black
933 (100 mg tablet).

934

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

937

938 PROMACTA is a registered trademark of the GlaxoSmithKline group of companies.

939



940

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942 Research Triangle Park, NC 27709

943

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945

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