

Width: 17.0"
Length: 18.75"
Fold: 1.25" x 1.25"

9.125"

17.0" W

.625" .625"

6.625"

HIGHLIGHTS OF PRESCRIBING INFORMATION

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

WARNING: BLEEDING RISK

- Ticagrelor, like other antiplatelet agents, can cause significant, sometimes fatal bleeding.
• Do not use ticagrelor in patients with active pathological bleeding or a history of intracranial hemorrhage.
• Do not start ticagrelor in patients undergoing urgent coronary artery bypass graft surgery.

Stopping ticagrelor increases the risk of subsequent cardiovascular events.

Dosage and Administration (2.2, 4.4) 03/2024

INDICATIONS AND USAGE

- Ticagrelor tablets are a P2Y12 platelet inhibitor indicated to reduce the risk of cardiovascular (CV) death, myocardial infarction (MI), and stroke in patients with acute coronary syndrome (ACS) or a history of MI.
• Ticagrelor tablets also reduce the risk of stroke in patients who have been treated for treatment of ACS.

ADVERSE REACTIONS

- Most common adverse reactions (>5%) are bleeding and dyspnea.
• Active pathological bleeding.
• Hypersensitivity to ticagrelor or any component of the product.

DRUG INTERACTIONS

- Avoid use with strong CYP3A4 inhibitors or CYP3A4 inducers.
• Opioids: Decreased exposure to ticagrelor. Consider use of parenteral anti-platelet agent.
• Ticagrelor may increase the risk of bleeding when used with aspirin.

USE IN SPECIFIC POPULATIONS

- Ticagrelor is not recommended for use in patients with severe hepatic impairment.
• Ticagrelor is not recommended for use in patients with severe renal impairment.

DESCRIPTION

Ticagrelor is a P2Y12 receptor antagonist. It is a racemic mixture of two enantiomers, (R)- and (S)-ticagrelor.

CLINICAL PHARMACOLOGY

12.1 Mechanism of Action
12.2 Pharmacodynamics
12.3 Pharmacokinetics

NON-CLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Genotoxicity
13.3 Reproductive Toxicology

HOW SUPPLIED/STORAGE AND HANDLING

16.1 Description of Ticagrelor Tablets
16.2 Storage and Handling

PATIENT COUNSELING INFORMATION

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

- Acute Ischemic Stroke
• Active pathological bleeding.
• Hypersensitivity to ticagrelor or any component of the product.

CONTRAINDICATIONS

- History of intracranial hemorrhage.
• Active pathological bleeding.
• Hypersensitivity to ticagrelor or any component of the product.

WARNINGS AND PRECAUTIONS

- Bleeding: See Warnings and Precautions (5.1).
• Dyspnea: See Warnings and Precautions (5.2).
• Ticagrelor may increase the risk of bleeding when used with aspirin.

ADVERSE REACTIONS

Most common adverse reactions (>5%) are bleeding and dyspnea.

DRUG INTERACTIONS

- Avoid use with strong CYP3A4 inhibitors or CYP3A4 inducers.
• Opioids: Decreased exposure to ticagrelor. Consider use of parenteral anti-platelet agent.
• Ticagrelor may increase the risk of bleeding when used with aspirin.

USE IN SPECIFIC POPULATIONS

Ticagrelor is not recommended for use in patients with severe hepatic impairment.

DESCRIPTION

Ticagrelor is a P2Y12 receptor antagonist. It is a racemic mixture of two enantiomers, (R)- and (S)-ticagrelor.

CLINICAL PHARMACOLOGY

12.1 Mechanism of Action
12.2 Pharmacodynamics
12.3 Pharmacokinetics

NON-CLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Genotoxicity
13.3 Reproductive Toxicology

HOW SUPPLIED/STORAGE AND HANDLING

16.1 Description of Ticagrelor Tablets
16.2 Storage and Handling

PATIENT COUNSELING INFORMATION

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

WARNING: BLEEDING RISK

- Ticagrelor, like other antiplatelet agents, can cause significant, sometimes fatal bleeding.
• Do not use ticagrelor in patients with active pathological bleeding or a history of intracranial hemorrhage.
• Do not start ticagrelor in patients undergoing urgent coronary artery bypass graft surgery.

Stopping ticagrelor increases the risk of subsequent cardiovascular events.

Dosage and Administration (2.2, 4.4) 03/2024

INDICATIONS AND USAGE

- Ticagrelor tablets are indicated to reduce the risk of cardiovascular (CV) death, myocardial infarction (MI), and stroke in patients with acute coronary syndrome (ACS) or a history of MI.
• Ticagrelor tablets also reduce the risk of stroke in patients who have been treated for treatment of ACS.

ADVERSE REACTIONS

- Most common adverse reactions (>5%) are bleeding and dyspnea.
• Active pathological bleeding.
• Hypersensitivity to ticagrelor or any component of the product.

DRUG INTERACTIONS

- Avoid use with strong CYP3A4 inhibitors or CYP3A4 inducers.
• Opioids: Decreased exposure to ticagrelor. Consider use of parenteral anti-platelet agent.
• Ticagrelor may increase the risk of bleeding when used with aspirin.

USE IN SPECIFIC POPULATIONS

Ticagrelor is not recommended for use in patients with severe hepatic impairment.

DESCRIPTION

Ticagrelor is a P2Y12 receptor antagonist. It is a racemic mixture of two enantiomers, (R)- and (S)-ticagrelor.

CLINICAL PHARMACOLOGY

12.1 Mechanism of Action
12.2 Pharmacodynamics
12.3 Pharmacokinetics

NON-CLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Genotoxicity
13.3 Reproductive Toxicology

HOW SUPPLIED/STORAGE AND HANDLING

16.1 Description of Ticagrelor Tablets
16.2 Storage and Handling

PATIENT COUNSELING INFORMATION

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

WARNING: BLEEDING RISK

- Ticagrelor, like other antiplatelet agents, can cause significant, sometimes fatal bleeding.
• Do not use ticagrelor in patients with active pathological bleeding or a history of intracranial hemorrhage.
• Do not start ticagrelor in patients undergoing urgent coronary artery bypass graft surgery.

Stopping ticagrelor increases the risk of subsequent cardiovascular events.

Dosage and Administration (2.2, 4.4) 03/2024

INDICATIONS AND USAGE

- Ticagrelor tablets are indicated to reduce the risk of cardiovascular (CV) death, myocardial infarction (MI), and stroke in patients with acute coronary syndrome (ACS) or a history of MI.
• Ticagrelor tablets also reduce the risk of stroke in patients who have been treated for treatment of ACS.

ADVERSE REACTIONS

- Most common adverse reactions (>5%) are bleeding and dyspnea.
• Active pathological bleeding.
• Hypersensitivity to ticagrelor or any component of the product.

DRUG INTERACTIONS

- Avoid use with strong CYP3A4 inhibitors or CYP3A4 inducers.
• Opioids: Decreased exposure to ticagrelor. Consider use of parenteral anti-platelet agent.
• Ticagrelor may increase the risk of bleeding when used with aspirin.

USE IN SPECIFIC POPULATIONS

Ticagrelor is not recommended for use in patients with severe hepatic impairment.

DESCRIPTION

Ticagrelor is a P2Y12 receptor antagonist. It is a racemic mixture of two enantiomers, (R)- and (S)-ticagrelor.

CLINICAL PHARMACOLOGY

12.1 Mechanism of Action
12.2 Pharmacodynamics
12.3 Pharmacokinetics

NON-CLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Genotoxicity
13.3 Reproductive Toxicology

PLATO Major bleed, fatal/lethal-threatening: any major bleed as described above and associated with a decrease in Hb of more than 5 g/dL...

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for Dyspnea, Dizziness, Nausea, TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

Table with 3 columns: Ticagrelor N=9225, Clopidogrel N=9186, and rows for TIMI Major, TIMI Minor, TIMI Minor or Requiring medical attention, Fatal bleeding, Intracranial hemorrhage.

90 mg BID
Bleeding in PEGASUS (Secondary Prevention in Patients with a History of Myocardial Infarction)
Overall outcome of bleeding events in the PEGASUS study are shown in Table 4.

Table 4 - Bleeding events (PEGASUS)

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy
Risk Summary
Available data from case reports with ticagrelor use in pregnant women have not identified a drug-associated risk of major birth defects, miscarriage, or adverse maternal or fetal outcomes.

8.2 Lactation
Risk Summary
There are no data on the presence of ticagrelor or its metabolites in human milk, the effects on the breastfed infant, or the effects on milk production.

8.4 Pediatric Use

The safety and effectiveness of ticagrelor tablets have not been established in pediatric patients. Effectiveness was not demonstrated in an adequate and well-controlled study conducted in 101 ticagrelor-treated pediatric patients, aged 2 to <18 for reducing the rate of vaso-occlusive crises in sickle cell disease.

8.5 Geriatric Use

About half of the patients in PLATO, PEGASUS, THEMIS, and THALES were >65 years of age and at least 15% were >75 years of age. No overall differences in safety or effectiveness were observed between elderly and younger patients.

8.6 Hepatic Impairment

Ticagrelor is metabolized by the liver and impaired hepatic function can increase risks for bleeding and other adverse events. Avoid use of ticagrelor tablets in patients with severe hepatic impairment.

8.7 Renal Impairment

No dosage adjustment is needed in patients with renal impairment (see Clinical Pharmacology (12.3)).

Effects of Other Drugs on Ticagrelor Tablets

Effects of other drugs on ticagrelor metabolism and the formation of its major active metabolite are presented in the pharmacokinetics of ticagrelor are presented in Figure 7.

Effects of Ticagrelor Tablets on Other Drugs

In vitro metabolism studies demonstrate that ticagrelor and its major active metabolite are weak inhibitors of CYP3A4, potential activators of CYP2A6 and inhibitors of the P-gp transporter.

13 NON-CLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Genotoxicity
13.3 Reproductive Toxicology

14 CLINICAL STUDIES

14.1 Acute Coronary Syndromes and Secondary Prevention after Myocardial Infarction
14.2 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)
14.3 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

14.4 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

PLATO (NCT00391972) was a randomized double-blind study comparing ticagrelor (N=9333) to clopidogrel (N=9291), both given in combination with aspirin and other standard therapy, in patients with acute coronary syndromes (ACS), who presented within 24 hours of onset of the most recent episode of chest pain or symptoms.

14.5 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

PLATO (NCT00391972) was a randomized double-blind study comparing ticagrelor (N=9333) to clopidogrel (N=9291), both given in combination with aspirin and other standard therapy, in patients with acute coronary syndromes (ACS), who presented within 24 hours of onset of the most recent episode of chest pain or symptoms.

14.6 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

PLATO (NCT00391972) was a randomized double-blind study comparing ticagrelor (N=9333) to clopidogrel (N=9291), both given in combination with aspirin and other standard therapy, in patients with acute coronary syndromes (ACS), who presented within 24 hours of onset of the most recent episode of chest pain or symptoms.

14.7 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

PLATO (NCT00391972) was a randomized double-blind study comparing ticagrelor (N=9333) to clopidogrel (N=9291), both given in combination with aspirin and other standard therapy, in patients with acute coronary syndromes (ACS), who presented within 24 hours of onset of the most recent episode of chest pain or symptoms.

14.8 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

PLATO (NCT00391972) was a randomized double-blind study comparing ticagrelor (N=9333) to clopidogrel (N=9291), both given in combination with aspirin and other standard therapy, in patients with acute coronary syndromes (ACS), who presented within 24 hours of onset of the most recent episode of chest pain or symptoms.

14.9 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

PLATO (NCT00391972) was a randomized double-blind study comparing ticagrelor (N=9333) to clopidogrel (N=9291), both given in combination with aspirin and other standard therapy, in patients with acute coronary syndromes (ACS), who presented within 24 hours of onset of the most recent episode of chest pain or symptoms.

14.10 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

PLATO (NCT00391972) was a randomized double-blind study comparing ticagrelor (N=9333) to clopidogrel (N=9291), both given in combination with aspirin and other standard therapy, in patients with acute coronary syndromes (ACS), who presented within 24 hours of onset of the most recent episode of chest pain or symptoms.

14.11 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

</

Width: 17.0"
Length: 18.75"
Fold: 1.25" x 1.25"

9.125"

17.0" W

.625"

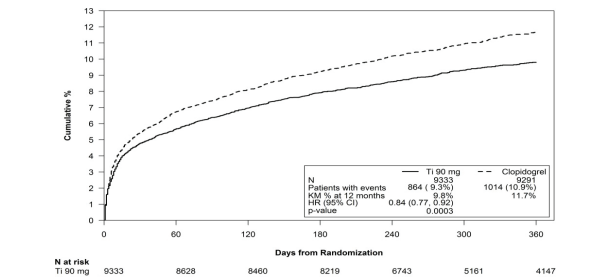
6.625"

Table 7 - Patients with outcome events (PLATO)

Table with 5 columns: Outcome, Ticagrelor (N=5223), Clopidogrel (N=5291), Hazard Ratio (95% CI), and p-value. Rows include Composite of CV death, MI, or stroke; CV death; Non-fatal MI; Non-fatal stroke; Secondary endpoints; CV death; MI; Stroke; All-cause mortality.

*Dosed at 90 mg bid.

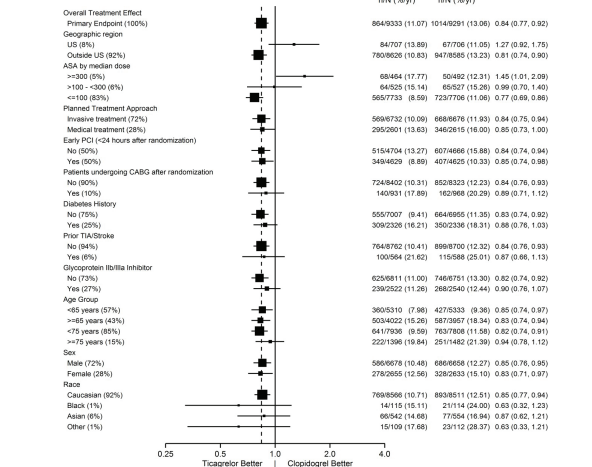
†Rates of first events for the components CV Death, MI and Stroke are the actual rates for first events for each component and do not add up to the overall rate of events in the composite endpoint. ‡Including patients who could have had other non-fatal events or died. §The Kaplan-Meier curve (Figure 10) shows time to first occurrence of the primary composite endpoint of CV death, non-fatal MI or non-fatal stroke in the overall study. ¶Figure 10 - Time to first occurrence of CV death, MI, or stroke (PLATO)



The curves separate by 30 days [relative risk reduction (RRR) 12%] and continue to diverge throughout the 12-month treatment period (HR 1.16). Among 11,289 patients with PCI receiving any stent during PLATO, there was a lower risk of stent thrombosis (1.3% for adjudicated 'definite') than with clopidogrel (1.9%) (HR 0.67, 95% CI 0.50 to 0.91, p=0.009). The results were similar for drug-eluting and bare metal stents. A wide range of demographic, concurrent baseline medications, and other treatment differences were examined for their influence on outcome. Some of these are shown in Figure 11. Such analyses must be interpreted cautiously, as differences can reflect the play of chance among a large number of analyses. Most of the analyses show effects consistent with the overall results, but there are two exceptions: a finding of heterogeneity by region and a strong influence of the maintenance dose of aspirin. These are considered further below.

Most of the characteristics shown are baseline characteristics, but some reflect post-randomization determinants (e.g., aspirin maintenance dose, use of PCI).

Figure 11 - Subgroup analyses of (PLATO)



Note: The figure above presents effects in various subgroups all of which are baseline characteristics and most of which were pre-specified. The 95% confidence limits that are shown do not take into account how many comparisons were made, nor do they reflect the effect of a particular factor after adjustment for all other factors. Apparent homogeneity or heterogeneity among groups should not be over-interpreted.

Regional Differences

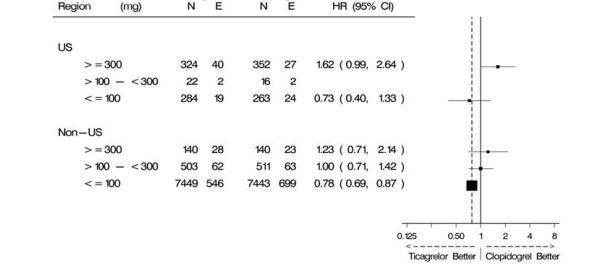
The results in the rest of the world compared to effects in North America (US and Canada) show a smaller effect in North America, numerically inferior to the control and driven by the US subset. The statistical test for the US/non-US comparison is statistically significant (p=0.009), and the same trend is present for both CV death and non-fatal MI. The individual results and nominal p-values, like all subset analyses, need cautious interpretation, and they could represent chance findings. The consistency of the differences in both CV mortality and non-fatal MI components, however, supports the possibility that the finding is reliable.

A wide variety of baseline and procedural differences between the US and non-US including intended invasive vs. planned medical management, use of GPIIb/IIIa inhibitors, use of drug eluting vs. bare-metal stents were examined to see if they could account for regional differences, but with one exception, aspirin maintenance dose, these differences did not appear to lead to differences in outcome.

Aspirin Dose

The PLATO protocol left the choice of aspirin maintenance dose up to the investigator and use patterns were different in US sites from sites outside of the US. About 8% of non-US investigators administered aspirin doses above 100 mg, and about 2% administered doses above 300 mg. In the US, 57% of patients received doses above 100 mg and 54% received doses above 300 mg. Overall results favored ticagrelor tablets when used with low maintenance doses (<100 mg) of aspirin, and results analyzed by aspirin dose were similar in the US and elsewhere. Figure 10 shows overall results by median aspirin dose. Figure 12 shows results by region and dose.

Figure 12 - CV death, MI, stroke by maintenance aspirin dose in the US and outside the US (PLATO)



Like any unplanned subset analysis, especially one where the characteristic is not a true baseline characteristic (but may be determined by usual investigator practice), the above analyses must be treated with caution. It is notable, however, that aspirin dose predicts outcome in both regions with a similar pattern, and that the pattern is similar for the two major components of the primary endpoint, CV death and non-fatal MI. Despite the need to treat such results cautiously, there appears to be good reason to restrict aspirin maintenance dosage accompanying ticagrelor to 100 mg. Higher doses do not have an established benefit in the ACS setting, and there is a strong suggestion that use of such doses reduces the effectiveness of ticagrelor tablets.

PEGASUS

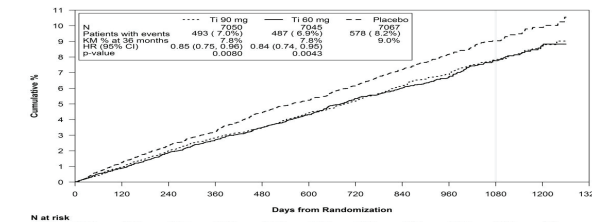
The PEGASUS TMI-54 study (NCT01225562) was a 21,162-patient, randomized, double-blind, placebo-controlled, parallel-group study. Two doses of ticagrelor, either 90 mg twice daily or 60 mg twice daily, co-administered with 75 mg to 150 mg of aspirin, were compared to aspirin therapy alone in patients with history of MI. The primary endpoint was the composite of first occurrence of CV death, non-fatal MI and non-fatal stroke. CV death and all-cause mortality were assessed as secondary endpoints.

Patients were eligible to participate if they were >50 years old, with a history of MI 1 to 3 years prior to randomization, and had at least one of the following risk factors for thrombotic cardiovascular events: age >65 years, diabetes mellitus requiring medication, at least one other prior MI, evidence of multivessel coronary artery disease, or creatinine clearance <60 mL/min. Patients could be randomized regardless of their prior ADP receptor blocker therapy or a lapse in therapy. Patients requiring or who were expected to require renal dialysis during the study were excluded. Patients with any previous intracranial hemorrhage, gastrointestinal bleeding within the past 6 months, or with known bleeding diathesis or coagulation disorder were excluded. Patients taking anticoagulants were excluded from participating and patients who developed an indication for anticoagulation during the trial were discontinued from study drug. A small number of patients with a history of stroke were included. Based on information external to PEGASUS, 102 patients with a history of stroke (90 of whom received study drug) were terminated early and no further such patients were enrolled.

Patients were treated for at least 12 months and up to 48 months with a median follow up time of 33 months. Patients were predominantly male (76% Caucasian (87%) with a mean age of 65 years, and 99.8% of patients received prior aspirin therapy.

The Kaplan-Meier curve (Figure 13) shows time to first occurrence of the primary composite endpoint of CV death, non-fatal MI or non-fatal stroke.

Figure 13 - Time to First Occurrence of CV death, MI or Stroke (PEGASUS)



Ti = Ticagrelor BID, CI = Confidence interval; HR = Hazard ratio; KM = Kaplan-Meier; N = Number of patients.

Both the 60 mg and 90 mg regimens of ticagrelor tablets in combination with aspirin were superior to aspirin alone in reducing the incidence of CV death, MI or stroke. The absolute risk reductions for ticagrelor plus aspirin vs. aspirin alone were 1.27% and 1.19% for the 60 and 90 mg regimens, respectively. Although the efficacy profiles of the two regimens were similar, the lower dose had lower risks of bleeding and dyspnea.

Table 8 shows the results for the 60 mg plus aspirin regimen vs. aspirin alone.

Table 8 - Incidences of the primary composite endpoint, primary composite endpoint components, and secondary endpoints (PEGASUS)

Table with 5 columns: Ticagrelor (N=7045), Placebo (N=7057), HR (95% CI), and p-value. Rows include Time to first CV death, MI, or stroke; CV Death*§; Myocardial infarction†; Stroke†; All-cause mortality†.

CI = Confidence interval; CV = Cardiovascular; HR = Hazard ratio; MI = Myocardial infarction; N = Number of patients.

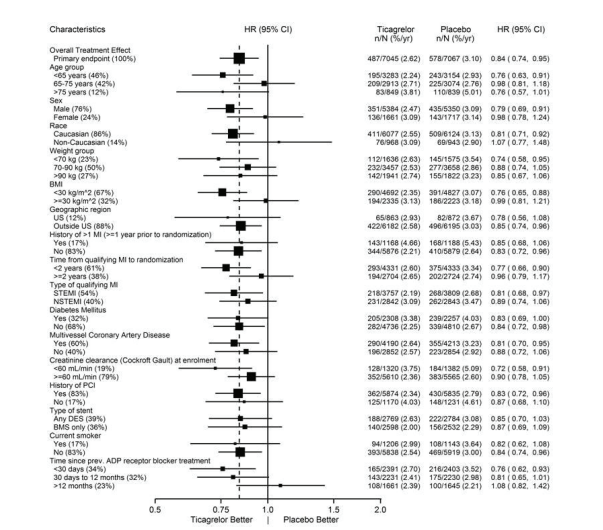
†Primary composite endpoint

‡Secondary endpoints

§The event rate for the components CV death, MI and stroke are calculated from the actual number of first events for each component.

¶In PEGASUS, the relative risk reduction (RRR) for the composite endpoint from 1 to 360 days (17% RRR) and from 361 days and onwards (16% RRR) were similar. The treatment effect of ticagrelor tablets 60 mg over aspirin appeared similar across most pre-defined subgroups, see Figure 14.

Figure 14 - Subgroup analyses of ticagrelor 60 mg (PEGASUS)



Note: The figure above presents effects in various subgroups all of which are baseline characteristics and most of which were pre-specified. The 95% confidence limits that are shown do not take into account how many comparisons were made, nor do they reflect the effect of a particular factor after adjustment for all other factors. Apparent homogeneity or heterogeneity among groups should not be over-interpreted.

14.2 Coronary Artery Disease but No Prior Stroke or Myocardial Infarction

THEMIS

The THEMIS study (NCT01917395) was a double-blind, parallel group, study in which 19,220 patients with CAD and Type 2 Diabetes Mellitus (T2DM) but no history of MI or stroke were randomized to twice daily ticagrelor tablets or placebo, on a background of 75 mg to 150 mg of aspirin. The primary endpoint was the composite of first occurrence of CV death, MI, and stroke. CV death, MI, ischemic stroke, and all-cause death were assessed as secondary endpoints. Patients were eligible to participate if they were >50 years old with CAD, defined as a history of P2CI or CABG, or angiographic evidence of >50% lumen stenosis of at least 1 coronary artery and T2DM treated for at least 6 months with glucose-lowering medication. Patients with previous intracranial hemorrhage, gastrointestinal bleeding within the past 6 months, known bleeding diathesis, and coagulation disorder were excluded. Patients taking anticoagulants or ADP receptor antagonists were excluded from participating, and patients who developed an indication for those medications during the trial were discontinued from study drug.

Patients were treated for a median of 33 months and up to 58 months. Patients were predominantly male (69% with a mean age of 66 years. At baseline, 80% had a history of coronary artery revascularization; 56% had undergone PCI, 29% had undergone a CABG and 7% had undergone both. The proportion of patients studied in the US was 12%. Patients in THEMIS had established CAD and other risk factors that put them at higher cardiovascular risk.

Ticagrelor tablets was superior to placebo in reducing the incidence of CV death, MI, or stroke. The effect on this composite endpoint was driven by the individual components MI and stroke; see Table 9.

Table 9 - Primary composite endpoint, primary endpoint components, and secondary endpoints (THEMIS)

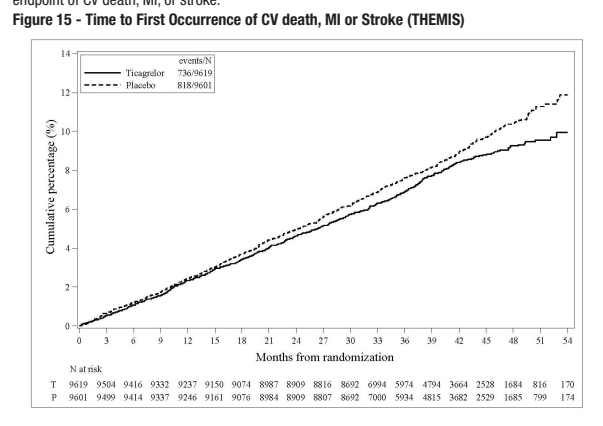
Table with 5 columns: Ticagrelor (N=9619), Placebo (N=9601), HR (95% CI), and p-value. Rows include Time to first CV death, MI, or stroke; CV death†; Myocardial infarction†; Stroke†; Secondary endpoints; CV death; Myocardial infarction; Ischemic stroke; All-cause death.

CI = Confidence interval; CV = Cardiovascular; HR = Hazard ratio; MI = Myocardial infarction.

†The event rate for the components CV death, MI and stroke are calculated from the actual number of first events for each component.

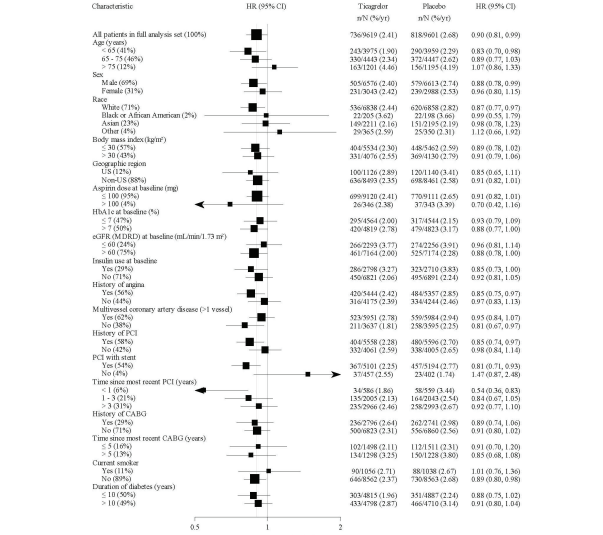
‡The Kaplan-Meier curve (Figure 15) shows time to first occurrence of the primary composite endpoint of CV death, MI, or stroke.

Figure 15 - Time to First Occurrence of CV death, MI or Stroke (THEMIS)



T = Ticagrelor; P = Placebo; N = Number of patients. The treatment effect of ticagrelor appeared similar across patient subgroups, see Figure 16.

Figure 16 - Subgroup analyses of ticagrelor (THEMIS)



Note: The figure above presents effects in various subgroups all of which are baseline characteristics. The 95% confidence limits that are shown do not take into account how many comparisons were made.

made, nor do they reflect the effect of a particular factor after adjustment for all other factors. Apparent homogeneity or heterogeneity among groups should not be over-interpreted.

14.3 Acute Ischemic Stroke or Transient Ischemic Attack (TIA)

The THALES study (NCT03354429) was a 11,016-patient, randomized, double-blind, parallel-group study of ticagrelor 90 mg twice daily versus placebo in patients with acute ischemic stroke or transient ischemic attack (TIA). The primary endpoint was the first occurrence of the composite of stroke and death up to 30 days. Ischemic stroke was assessed as one of the secondary endpoints. Patients were eligible to participate if they were >40 years old, with non-cardioembolic acute ischemic stroke (NISS score <5) or high-risk TIA (defined as ABCD2 score <6 or ipsilateral atherosclerotic stenosis >50% in the internal carotid or an intracranial artery). Patients who received thrombolysis or thrombectomy within 24 hours prior to randomization were not eligible. Patients were randomized within 24 hours of onset of an acute ischemic stroke or TIA to receive 30 days of either ticagrelor (90 mg twice daily, with an initial loading dose of 180 mg) or placebo, on a background of aspirin initially 300 mg to 325 mg then 75 mg to 100 mg daily. The median treatment duration was 31 days.

Ticagrelor was superior to placebo in reducing the rate of the primary endpoint (composite of stroke and death), corresponding to a relative risk reduction (RRR) of 17% and an absolute risk reduction (ARR) of 1.1% (Table 10). The effect was driven primarily by a significant reduction in the stroke component of the primary endpoint (19% RRR, 1.1% ARR).

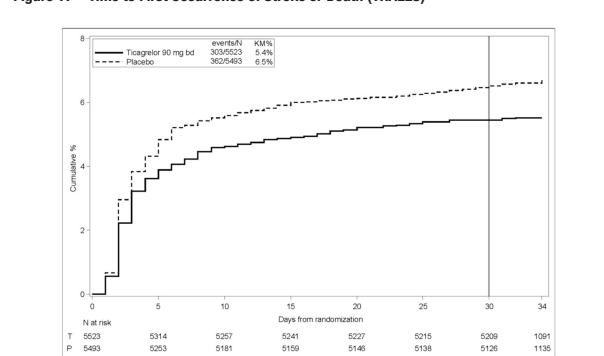
Table 10 - Incidences of the primary composite endpoint, primary composite endpoint components, and secondary endpoint (THALES)

Table with 5 columns: Ticagrelor (N=5522), Placebo (N=5493), HR (95% CI), and p-value. Rows include Time to first Stroke or Death; Time to first Stroke; Time to first Death; Secondary Endpoint; Time to first Ischemic Stroke.

CI = Confidence interval; HR = Hazard ratio; KM = Kaplan-Meier percentage calculated at 30 days; N = Number of patients with the event in the time. In time to first stroke, patients who died are censored at the time of death.

The Kaplan-Meier curve (Figure 17) shows the time to first occurrence of the primary composite endpoint of stroke and death.

Figure 17 - Time to First Occurrence of Stroke or Death (THALES)



Note: The figure above presents effects in various subgroups all of which are baseline characteristics and most of which were pre-specified. The 95% confidence limits that are shown do not take into account how many comparisons were made, nor do they reflect the effect of a particular factor after adjustment for all other factors. Apparent homogeneity or heterogeneity among groups should not be over-interpreted.

At Day 30, there was an absolute reduction of 1.2% (95% CI: -2.1%, -0.3%) in the incidence of non-hemorrhagic stroke and death (excluding fatal bleed) favoring ticagrelor (294 events; 5.3%) over placebo (359 events; 6.5%) in the intention to -treat population. In the same population, there was an absolute increase of 0.4% (95% CI: 0.2%, 0.6%) in the incidence of GUSTO severe bleeding unfavorable to ticagrelor arm (28 events; 0.5%) compared to the placebo arm (7 events; 0.1%).

16 HOW SUPPLIED/STORAGE AND HANDLING

Ticagrelor tablets 60 mg are supplied as light pink, round shaped, film coated tablets debossed with '522' on one side and '56' on the other side.

Ticagrelor tablets 90 mg are supplied as yellow, round shaped, film coated tablets debossed with '522' on one side and '56' on the other side.

Storage and Handling: Store at 25°C (77°F); excursions permitted to 15° to 30° (59° to 86°F) [see USP controlled room temperature].

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide). Advise patients that daily doses of aspirin should not exceed 100 mg and to avoid taking any other medications that contain aspirin.

Advise patients that they: Will bleed and bruise more easily; Will take longer than usual to stop bleeding; Should report any unanticipated, prolonged or excessive bleeding, or blood in their stool or urine. Advise patients to contact their doctor if they experience unexpected shortness of breath, especially if severe.

Advise patients to inform physicians and dentists that they are taking ticagrelor before any surgery or dental procedure. Advise women that breastfeeding is not recommended during treatment with ticagrelor [see Use in Specific Populations (8.2)].

Manufactured by: ScieGen Pharmaceuticals Inc, Hauppauge, NY 11788 USA. Distributed by: Radha Pharmaceuticals, Inc, Hauppauge, NY 11788 USA.

Rev: 11/2025

MEDICATION GUIDE

Ticagrelor (tye ka' gel or) tablets

What is the most important information I should know about ticagrelor tablets? Ticagrelor tablets are used to lower your chance of having, or dying from, a heart attack or stroke. Ticagrelor tablets (and similar drugs) can cause bleeding that can be serious and sometimes lead to death. In cases of serious bleeding, such as internal bleeding, the bleeding may result in the need for blood transfusions or surgery. While you take ticagrelor tablets:

- you may bruise and bleed more easily
- you are more likely to have nose bleeds
- it will take longer than usual for any bleeding to stop
- Call your healthcare provider right away, if you have any of these signs or symptoms of bleeding while taking ticagrelor tablets:
 - bleeding that is severe or that you cannot control
 - pink, red or brown urine
 - vomiting blood or your vomit looks like "coffee grounds"
 - red or black stools (looks like tar)
 - coughing up blood or blood clots

Do not stop taking ticagrelor tablets without talking to the healthcare provider who prescribes it for you. People who are treated with a stent, and stop taking ticagrelor tablets too soon, have a higher risk of getting a blood clot in the stent, having a heart attack, or dying. If you stop ticagrelor tablets because of bleeding, or for other reasons, your risk of a heart attack or stroke may increase.

Your healthcare provider may instruct you to stop taking ticagrelor tablets 5 days before surgery. This will help to decrease your risk of bleeding with your surgery or procedure. Your healthcare provider should tell you when to start taking ticagrelor tablets again, as soon as possible after surgery.

Taking ticagrelor tablets with aspirin

Ticagrelor tablets are taken with aspirin, unless your healthcare provider specifically tells you otherwise. Talk to your healthcare provider about the dose of aspirin that you should take with ticagrelor tablets. In most cases, you should not take a dose of aspirin higher than 100 mg daily. Do not take doses of aspirin higher than what your healthcare provider tells you to take. Tell your healthcare provider if you take other medicines that contain aspirin, and do not take new over-the-counter medicines with aspirin in them.

What is ticagrelor tablets? Ticagrelor tablets are a prescription medicine used to:

- decrease your risk of death, heart attack, and stroke in people with a blockage of blood flow to the heart (acute coronary syndrome or ACS) or a history of a heart attack. Ticagrelor tablets can also decrease your risk of blood clots in your stent in people who have received stents for the treatment of ACS.
- decrease your risk of a first heart attack or stroke in people who have a condition where the blood flow to the heart is decreased (coronary artery disease or CAD) who are at high risk for having a heart attack or stroke.
- decrease your risk of stroke in people who are having a stroke (acute ischemic stroke) or mini-stroke (transient ischemic attack or TIA).

It is not known if ticagrelor tablets is safe and effective in children.

Do not take ticagrelor tablets if you:

- have a history of bleeding in the brain
- are bleeding now
- are allergic to ticagrelor or any of the ingredients in ticagrelor tablets. See the end of this Medication Guide for a complete list of ingredients in ticagrelor tablets.

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

- have had bleeding problems in the past
- have had any recent serious injury or surgery
- plan to have surgery or a dental procedure. See "What is the most important information I should know about ticagrelor tablets?"
- have a history of stomach ulcers or colon polyps
- have lung or breathing problems, such as COPD or asthma
- have liver problems
- have a history of stroke
- are pregnant or plan to become pregnant. It is not known if ticagrelor tablets will harm your unborn baby. You and your healthcare provider should decide if you will take ticagrelor tablets.
- are breastfeeding or plan to breastfeed. It is not known if ticagrelor tablets passes into your breast milk. You should not breastfeed during treatment with ticagrelor tablets. Talk to your healthcare provider about the best way to feed your baby during treatment with ticagrelor tablets.

Tell all of your healthcare providers and dentists that you are taking ticagrelor tablets. They should talk to the healthcare provider who prescribed ticagrelor tablets for you before you have any surgery or procedure.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Ticagrelor tablets may affect the way other medicines work, and other medicines may affect how ticagrelor tablets work. Certain medicines may increase your risk of bleeding.

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

How should I take ticagrelor tablets?

- Take ticagrelor tablets exactly as prescribed by your healthcare provider.
- Your healthcare provider will tell you how many ticagrelor tablets to take and when to take them.
- Take ticagrelor tablets with aspirin, unless your healthcare provider specifically tells you otherwise. See "What is the most important information I should know about ticagrelor tablets?"
- You may take ticagrelor tablets with or without food.
- Take ticagrelor tablets two times each day, around the same times each day.
- If you miss your scheduled dose of ticagrelor tablets, take your next dose at its scheduled time. Do not take 2 doses at the same time unless your healthcare provider tells you to.
- If you take too much ticagrelor tablets, call your healthcare provider or local poison control center or go to the nearest emergency room right away.

If you are unable to swallow the tablet(s) whole, you may crush the ticagrelor tablet(s) and mix it with water. Drink all the water right away. Refill the glass with water, stir, and drink all the water.

Ticagrelor tablets may also be given through certain nasogastric (NG) tubes. Ask your healthcare provider for instructions on how to take ticagrelor tablets through a NG tube.

What are the possible side effects of ticagrelor tablets? Ticagrelor tablets can cause serious side effects, including:

- See "What is the most important information I should know about ticagrelor tablets?"

Shortness of breath. Tell your healthcare provider if you have new, worsening or unexpected shortness of breath when you are at rest, at night, or when you are doing any activity.

Slow or irregular heartbeat

Irregular breathing. Tell your healthcare provider if you develop irregular breathing patterns when asleep or awake such as speeding up, slowing down or short pauses in breathing. Your healthcare provider will decide if you need further evaluation.

These are not all of the possible side effects of ticagrelor tablets. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store ticagrelor tablets?

- Store ticagrelor tablets at room temperature between 68°F to 77°F (20°C to 25°C).

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

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

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

What are the ingredients in ticagrelor tablets?

Active ingredient: ticagrelor 90 mg tablets.

Inactive ingredients: crospovidone, magnesium stearate, mannitol, microcrystalline cellulose, povidone. The film coating contains, hypromellose, polyethylene glycol, titanium dioxide, talc, and yellow iron oxide.

60 mg tablets: Inactive ingredients: crospovidone, magnesium stearate, mannitol, microcrystalline cellulose, povidone. The film coating contains, hypromellose, polyethylene glycol, titanium dioxide, talc, and yellow iron oxide.

Manufactured by: ScieGen Pharmaceuticals Inc, Hauppauge, NY 11788 USA. Distributed by: Radha Pharmaceuticals, Inc, Hauppauge, NY 11788 USA.

For more information, call ScieGen Pharmaceuticals, Inc. at 1-855-724-3436.

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

Revised: 11/2025