



Policy code	DTP_TIC_0722		
Date	July, 2022		
Purpose	To ensure a consistent procedural approach to ticagrelor administration.		
Scope	Applies to all Queensland Ambulance Service (QAS) clinical staff.		
Health care setting	Pre-hospital assessment and treatment.		
Population	Applies to all ages unless specifically mentioned.		
Source of funding	Internal – 100%		
Author	Clinical Quality & Patient Safety Unit, QAS		
Review date	July, 2024		
Information security	UNCLASSIFIED - Queensland Government Information Security Classification Framework.		
URL	https://ambulance.qld.gov.au/clinical.html		

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Drug class

Antiplatelet [1,2]

Pharmacology

Ticagrelor is a reversibly binding, direct-acting adenosine diphosphate (ADP) receptor antagonist that inhibits platelet activation and aggregation.^[1,2]

Metabolism

Hepatic.[1]

Indications [1-4]

Patients with STEMI (as defined by the relevant QAS coronary artery reperfusion checklist) who have been accepted for pPCI (as an adjunct medication to aspirin and heparin) AND the receiving interventional cardiologist is requesting ticagrelor administration

Contraindications

- Allergy AND/OR Adverse Drug Reaction
- · Patient currently taking ticagrelor OR clopidogrel
- Patient less than 18 years of age
- Active bleeding (excluding menses)
- Prior intercranial haemorrhage
- History of hepatic impairment

Precautions

- Concurrent medication known to induce bradycardia (e.g. β blocker, calcium channel blocker, digoxin)
- Symptomatic bradycardia (HR less than 60)

Side effects



- Haemorrhage
- Bradycardia

Presentation

- Tablet, 90 mg ticagrelor
- Orally Disintegrating Tablet (ODT), 90 mg ticagrelor

Onset	Duration	Half-life	
≈ 30 minutes	7 days (antiplatelet)	7 hours	

Schedule

• S4 (Restricted drugs)

Routes of administration

Per oral (PO)



Special notes

- Ambulance officers must only administer medications for the listed indications and dosing range. Any consideration for treatment outside the listed scope of practice requires mandatory approval through the QAS Clinical Consultation and Advice Line.
- 90 mg ticagrelor ODTs have recently been introduced into QAS as a loading dose alternative to 90 mg ticagrelor tablets. Clinicians should continue to use existing 90 mg ticagrelor tablet stock until all stock is depleted or expired.

Adult dosages [1-4]

rations with STEMI (as defined by the relevant QAS coronary artery reperfusion checklist) who have been accepted for pPCI (as an adjunct medication to aspirin and heparin) AND the receiving interventional cardiologist is requesting ticagrelor administration



PO

≥ 18 years - **180 mg**

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Paediatric dosages

Note: QAS officers are **NOT** authorised to administer ticagrelor to paediatric patients.