



LKT Laboratories, Inc.

Ticagrelor

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Product Information

Product ID T3200

CAS No. 274693-27-5

Chemical Name (1S,2S,3R,5S)-3-[7-[(1R,2S)-2-(3,4-Difluorophenyl)cyclopropylamino]-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl]-5-(2-hydroxyethoxy)cyclopentane-1,2-diol

Synonym AZD-6140

Formula C₂₃H₂₈F₂N₆O₄S

Formula Wt. 522.57

Melting Point

Purity ≥98%

Solubility DMSO 100 mg/mL (191.36 mM)

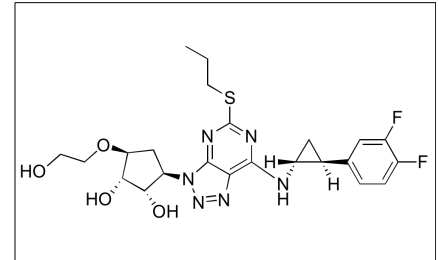
Ethanol 53 mg/mL (101.42 mM)

Water Insoluble

Store Temp Ambient

Ship Temp Ambient

Description Ticagrelor is a clinically approved reversible platelet aggregation inhibitor that exhibits anticoagulant and antithrombotic activities. Ticagrelor is primarily used to increase coronary blood flow velocity and to prevent stroke, heart attack, and myocardial infarction. This compound has a rapid onset and offset of action and has been shown to act as a nucleoside analog with an overall similarity to adenosine; it is an allosteric antagonist for the P2Y₁₂ ADP receptor, inhibiting downstream fibrinogen cross-linking between platelets.



Bulk quantities available upon request

Product ID	Size
T3200	5 mg
T3200	25 mg
T3200	100 mg

References Rahman M, Gustafsson D, Wang Y, et al. Ticagrelor reduces neutrophil recruitment and lung damage in abdominal sepsis. Platelets. 2013 Jul 15. [Epub ahead of print] PMID: 23855479.

Wittfeldt A, Emanuelsson H, Brandrup-Wognsen G, et al. Ticagrelor enhances adenosine-induced coronary vasodilatory responses in humans. J Am Coll Cardiol. 2013 Feb 19;61(7):723-7. PMID: 23312702.

Birkeland K, Parra D, Rosenstein R. Antiplatelet therapy in acute coronary syndromes: focus on ticagrelor. J Blood Med. 2010;1:197-219. PMID: 22282698.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.