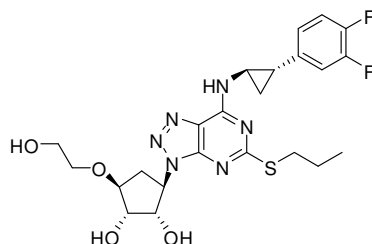


Certificate of Analysis

Axon Catalogue ID: 3111 **Batch Number:** 1
Product Name: Ticagrelor
Alternative Name(s): AZD6140
IUPAC 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

Structure:



Amount:

CAS number(s): 274693-27-5
Molecular Formula: C₂₃H₂₈F₂N₆O₄S **Molecular Weight:** 522.57
Batch Molecular Formula: C₂₃H₂₈F₂N₆O₄S **Batch Molecular Weight:** 522.57
Appearance: White solid **Observed mp:** 138.4 - 141.1 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 52.86, H 5.40, N 16.08; Found: C 52.88, H 5.24, N 16.07
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	19.0	36.4	
	EtOH			Not Tested

Remarks:

QC Date: 12-05-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only