

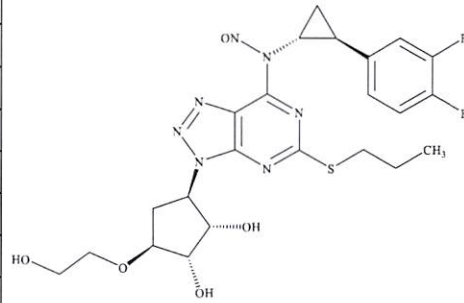
Certificate of Analysis

Certificate No.: 20260326010


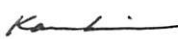
Date: March 26, 2026

Retest date: September 24, 2026

Compound Name: N-Nitroso Ticagrelor	
Synonyms:	N-((1R,2S)-2-(3,4-difluorophenyl)cyclopropyl)-N-(3-((1R,2S,3S,4S)-2,3-dihydroxy-4-(2-hydroxyethoxy)cyclopentyl)-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-7-yl)nitrous amide
TLC Catalogue Number:	T-81180
CAS Number:	2476859-55-7
Alternate CAS Number:	N/A
Molecular Weight:	551.57
Molecular Formula:	C ₂₃ H ₂₇ F ₂ N ₇ O ₅ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7011-014A5
Storage Conditions:	Store at -20 °C
Solubility:	DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 90.0%	95.3%
Impurity (HPLC)	RT 3.15, 0.27%; RT 4.63, 3.61%; RT 5.14, 0.19%	
Water Content (KF)	N/A	1.4%
Residual Solvents (NMR)	0.2% isopropyl ether	
Assay (%)	Not less than 85.0%	93.8%
Recommendation:	<p>Release. The compound is an N-Nitroso product. Avoid using metal spatula and applying pressure. Wear proper personal protective equipment when handling. It is unstable and can easily deteriorate. It should be stored as the storage condition stated in COA, and to be used immediately upon received. Due to the stability issue, this item is more suitable for qualitative applications than for quantitative purposes. It contains 3.6% Ticagrelor Impurity 128 (RT 4.63, TLC No. T-81288) according to its HPLC and LC-MS.</p>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		03/26/2026
Approved by:	Quality Assurance		03/26/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, MS and NMR spectra.