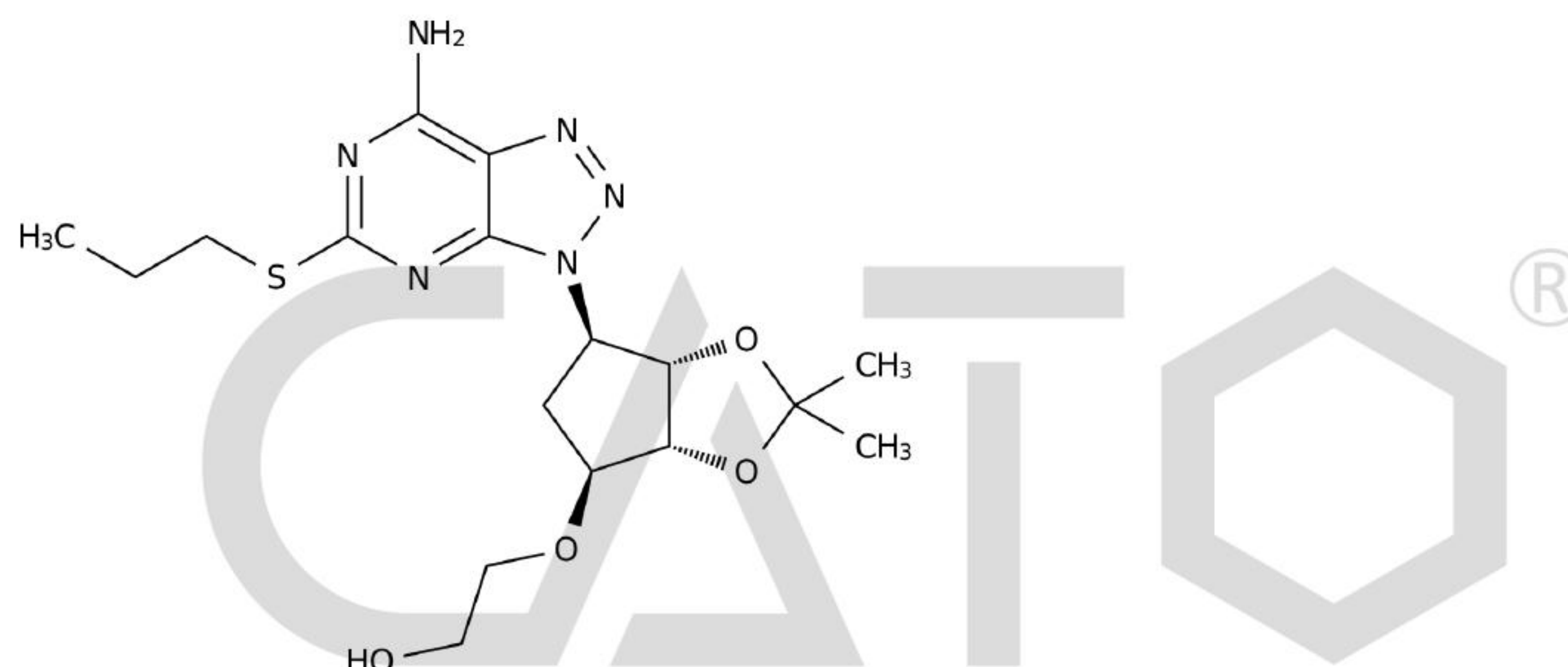


Certificate of Analysis

Reference Material & Standard

Product Name:	Ticagrelor Impurity 105	Catalogue Number:	C4X-1093105
Synonyms:	2-((3aR,4S,6R,6aS)-6-[7-Amino-5-(propylsulfanyl)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl]-2,2-dimethyltetrahydro-3aH-cyclopenta[d][1,3]dioxol-4-yl)oxy)ethanol	Lot Number:	1223-RG-0085
CAS Number:	1858267-99-8	Expiry Date:	Dec 30, 2029
Molecular Formula:	C ₁₇ H ₂₆ N ₆ O ₄ S	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	410.49	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.532%
Residue on Ignition	TGA	1.1402%
Loss On Drying	TGA	0.0454%
Assay	qNMR	98.6%
Assay	Mass Balance	98.4%

Comment:

- The retest date of this product is Dec 30, 2028.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Dec 31, 2025

Date: Dec 31, 2025

Date: Dec 31, 2025



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