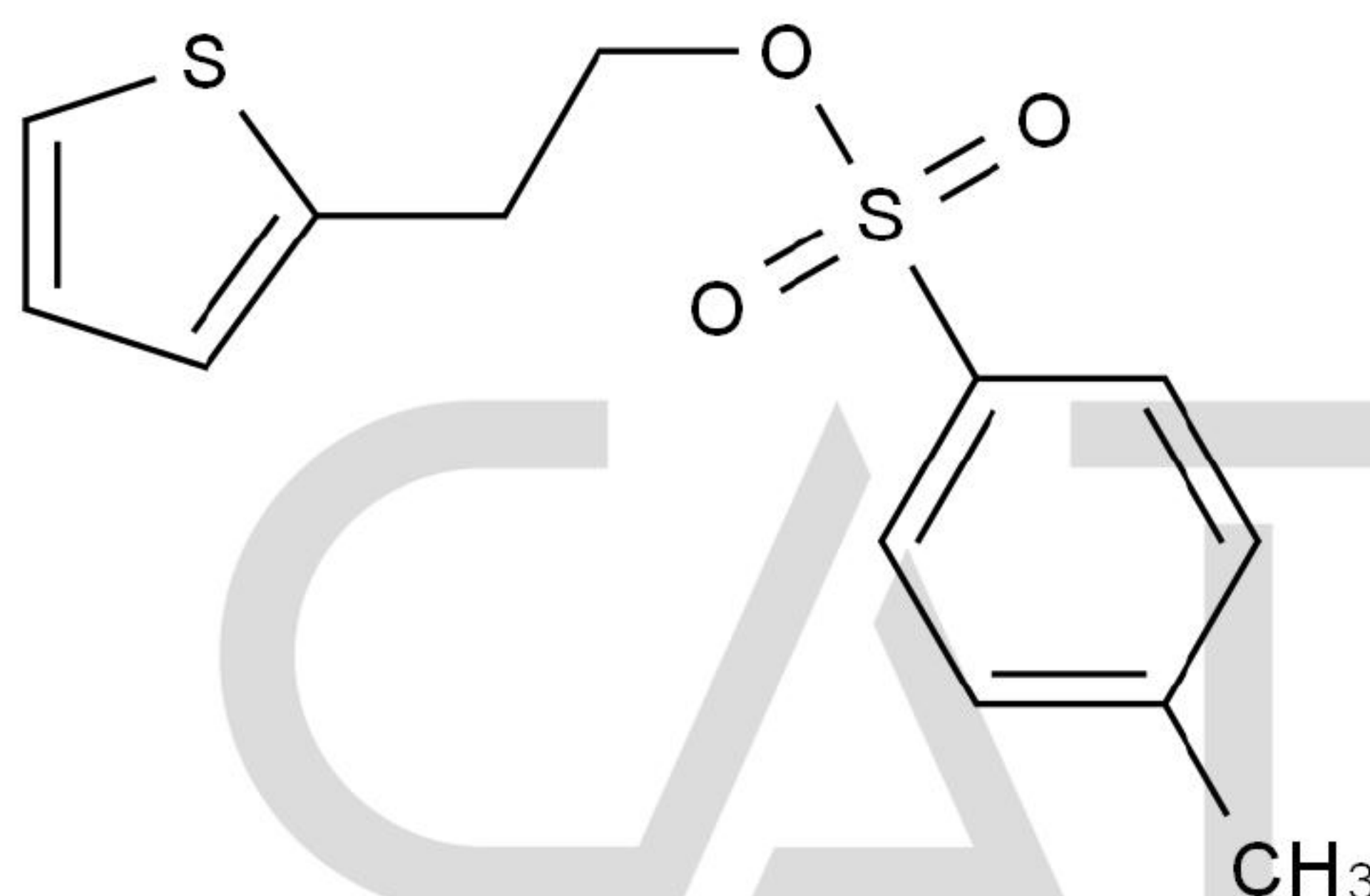


Certificate of Analysis

Reference Material & Standard

Product Name:	Clopidogrel Impurity 15	Catalogue Number:	C4X-102915
Synonyms:	N/A	Lot Number:	0506-RH-0188
CAS Number:	40412-06-4	Expiry Date:	May 08, 2030
Molecular Formula:	C ₁₃ H ₁₄ O ₃ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	282.38	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	99.404%
Loss on Drying	TGA	0.0795%
Assay		99.3%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 09, 2026

Date: May 09, 2026

Date: May 09, 2026



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