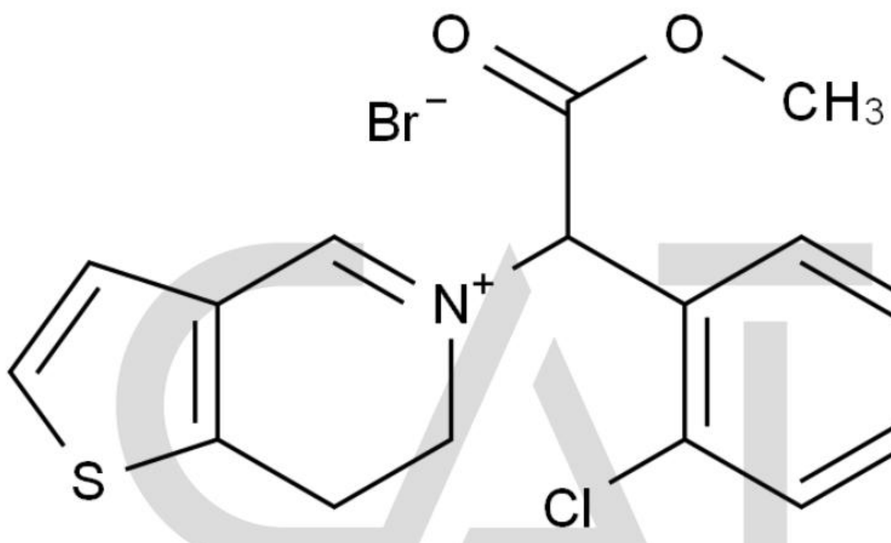
Certificate of Analysis

Reference Material & Standard

Product Name:	Clopidogrel Impurity 33	**Catalogue Number:**	C4X-102933
Synonyms:	N/A	**Lot Number:**	1105-RH-0019
CAS Number:	2418591-12-3	**Expiry Date:**	Nov 09, 2030
Molecular Formula:	$C_{16}H_{15}ClNO_2S$ Br	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	320.81 79.90	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.3%
Assay	qNMR	91.0%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Nov 10, 2026

Reviewed by: Koi Date: Nov 10, 2026

Approved by General Manager: David Date: Nov 10, 2026

CATO Research Chemicals Inc.