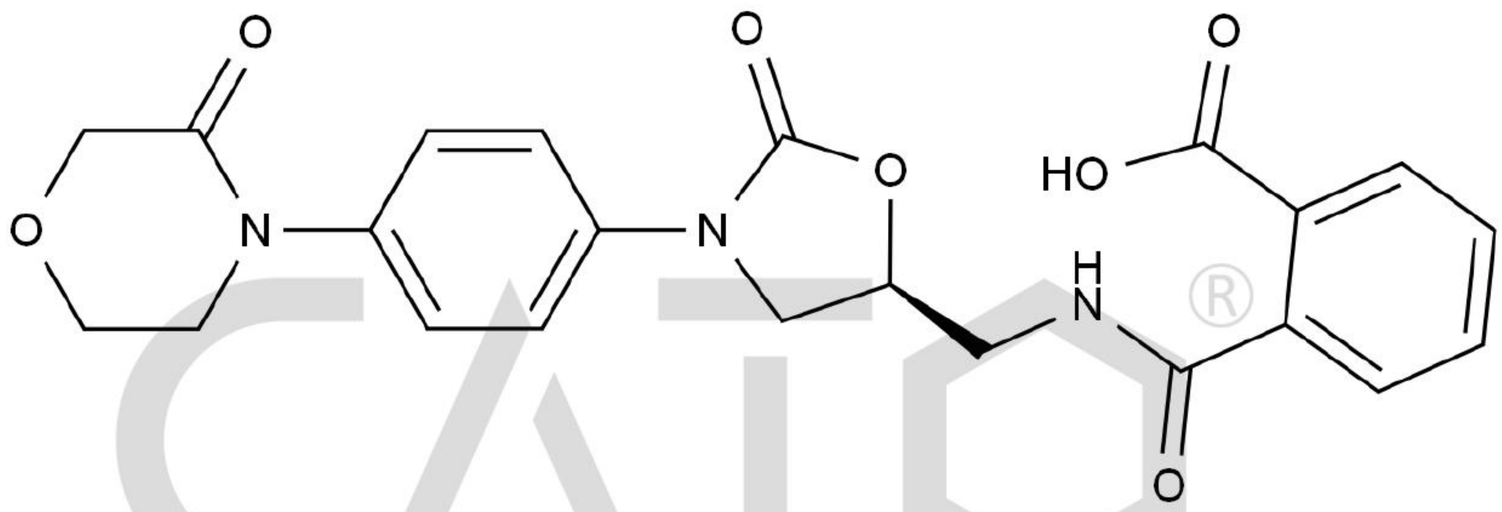
Certificate of Analysis

Reference Material & Standard

Product Name:	Rivaroxaban Impurity 27	**Catalogue Number:**	C4X-109027
Synonyms:	N/A	**Lot Number:**	0916-RH-0094
CAS Number:	1365267-37-3	**Expiry Date:**	Sep 17, 2030
Molecular Formula:	$C_{22}H_{21}N_3O_7$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	439.42	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.631%
Loss on Drying	TGA	7.9838%
Assay		90.8%

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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: Hinlam Date: Sep 18, 2026

Reviewed by: Koi Date: Sep 18, 2026

Approved by General Manager: David Date: Sep 18, 2026

CATO Research Chemicals Inc.