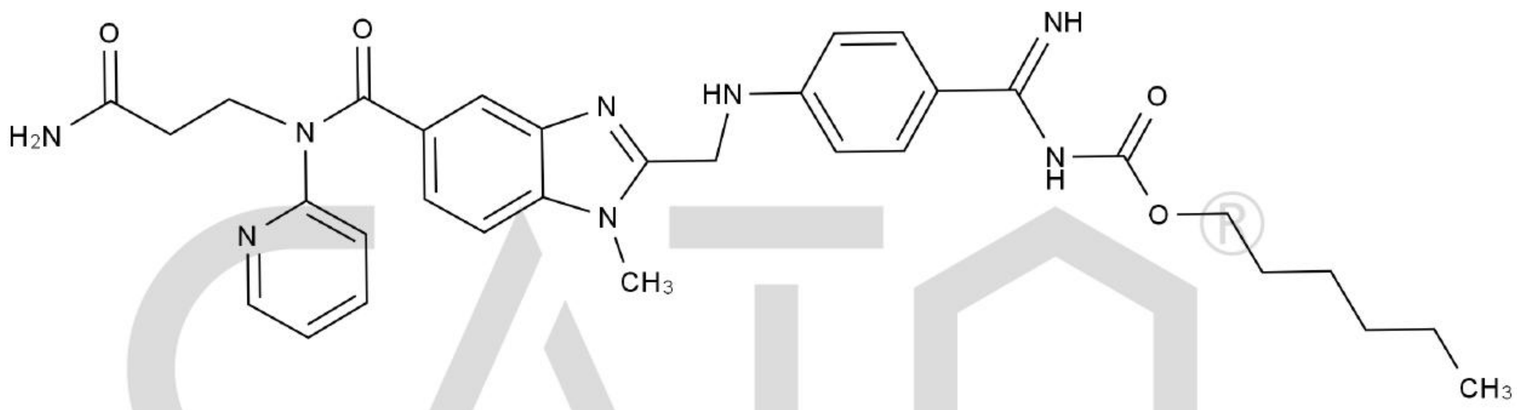
Certificate of Analysis

Reference Material & Standard

Product Name:	Dabigatran Impurity 24	**Catalogue Number:**	C4X-108924
Synonyms:	N/A	**Lot Number:**	1023-RH-0057
CAS Number:	1580491-16-2	**Expiry Date:**	Oct 29, 2030
Molecular Formula:	$C_{32}H_{38}N_8O_4$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	598.70	**Shipping Condition:**	Shipping with Ice Packs

Warning:

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	94.518%
Loss on Drying	TGA	0.0854%
Assay	Mass Balance	94.4%

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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: Alice Date: Oct 30, 2026

Reviewed by: Koi Date: Nov 02, 2026

Approved by General Manager: David Date: Nov 02, 2026

CATO Research Chemicals Inc.