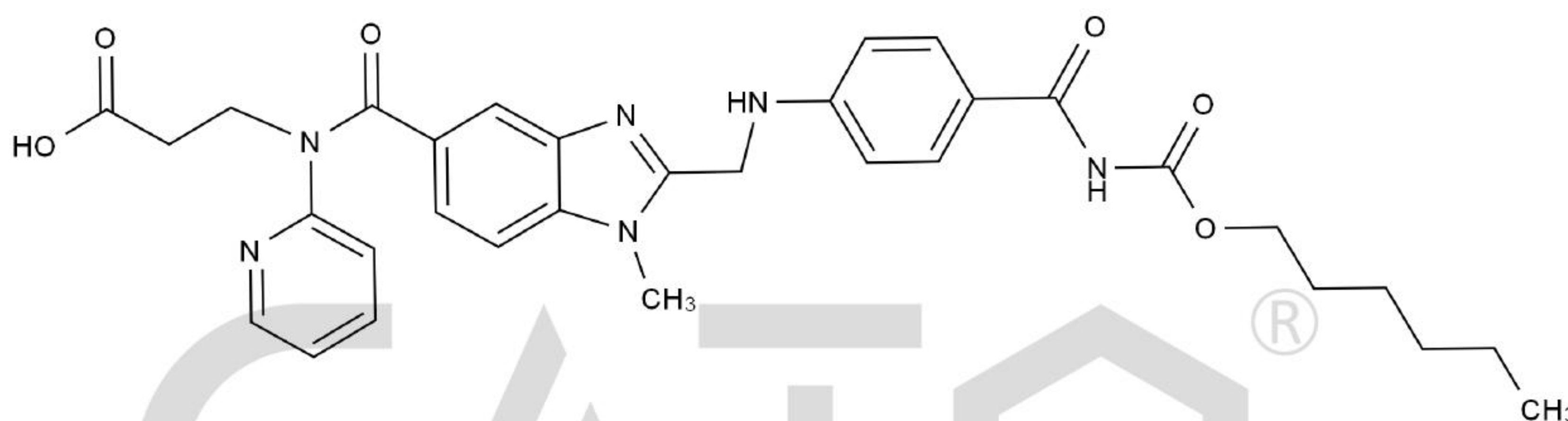


Certificate of Analysis

Reference Material & Standard

Product Name:	Dabigatran Impurity 20	Catalogue Number:	C4X-108920
Synonyms:	N/A	Lot Number:	0618-RH-0110
CAS Number:	1408238-37-8	Expiry Date:	Apr 28, 2029
Molecular Formula:	C ₃₂ H ₃₆ N ₆ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	600.66	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.596%
Water Content	Karl Fischer	4.00%
Residual Solvents	NMR	Not detected in NMR
Assay		95.6%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 22, 2026

Date: Jun 22, 2026

Date: Jun 22, 2026

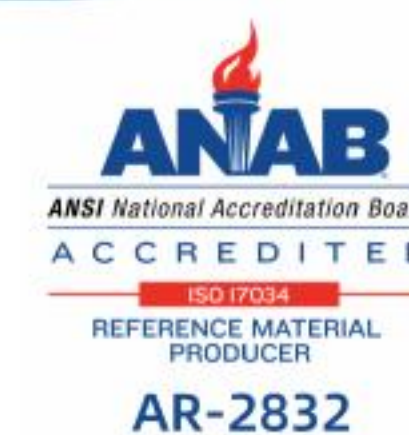
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