



CERTIFICATE OF ANALYSIS

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1. Identification

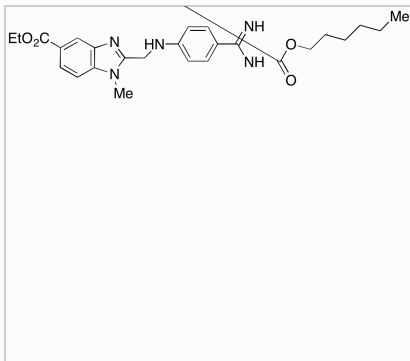
Catalogue Number: D293275

CAS Number: 1408238-36-7

Product: Des-(N-2-pyridyl-b-alanine Ethyl Ester) Dabigatran Etexilate 5-Ethyl Carboxylate (Dabigatran Impurity)

Synonym: 2-[[[4-[[[(Hexyloxy)carbonyl]amino]iminomethyl]phenyl]amino]methyl]-1-methyl-1H-benzimidazole-5-carboxylic Acid Ethyl Ester

Structure:



Molecular Formula:

C₂₆H₃₃N₅O₄

Molecular weight:

479.57

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 13-CNN-62-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Light Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 65.02, %H: 7.03, %N: 14.60
HPLC Purity	Report Result	98.54% (230 nm)
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By
Evan Burns

Reviewed By
Toni Rantanen

C of A Approved By
Chanell Chu

Test Date
11/9/2021

Retest Date
11/7/2025

Evan Burns