



## CERTIFICATE OF ANALYSIS

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### 1. Identification

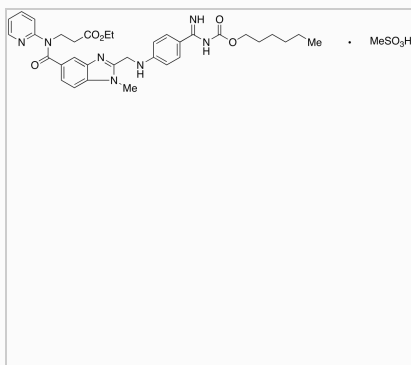
**Catalogue Number:** D100150

**CAS Number:** 872728-81-9

**Product:** Dabigatran Etxilate Mesylate

**Synonym:** N-[[2-[[[4-[[[(Hexyloxy)carbonyl]amino]iminomethyl]phenyl]amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl]-N-2-pyridinyl-β-alanine Ethyl Ester Methanesulfonate;

**Structure:**



**Molecular Formula:**

$C_{34}H_{41}N_7O_5 \cdot CH_4O_3S$

**Molecular weight:**

627.75 + 96.10

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly, Heated),  
Methanol (Slightly)

**Lot Number:** 9-MIC-93-1

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	White to Off-White Solid
Melting Point	Report Result	>134° (dec.)
H NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 56.32, %H: 6.35, %N: 13.06
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.74%

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Dichloromethane : Methanol : Ammonium Hydroxide = 9 : 1 : 0.2; Visualized with UV and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> = 0.50. 1H NMR and MS conform to structure. Elemental Analysis: (Found) %C: 56.32, %H: 6.35, %N: 13.06; (Calculated) %C: 58.08, %H: 6.27, %N: 13.55

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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**  
Rhonda Tu

**Reviewed By**  
Eric Beaton

**C of A Approved By**  
**Test Date**  
8/2/2018

**Retest Date**  
7/31/2025

RTU

EJB