



CERTIFICATE OF ANALYSIS



Date: 15-01-2026

Product Name	N-Nitroso Dabigatran Impurity 21		
Chemical Name	ethyl 3-(((4-(N-(ethoxycarbonyl)carbamimidoyl)phenyl)(nitroso)amino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoate		
Structure	<p>The chemical structure shows a complex molecule with a central pyridine ring substituted with a 1-methyl-1H-benzo[d]imidazole-5-carboxamido group. This group is linked via its nitrogen atom to the 3-position of the pyridine ring. The imidazole ring is substituted with a methyl group at the 1-position and a nitrogen atom at the 2-position, which is further substituted with an ethoxycarbonyl (Boc) group. The imidazole ring is also substituted with a phenyl group at the 4-position. The phenyl ring is substituted with a nitroso group (N=NO) at the 2-position and an amino group (NH2) at the 4-position. The molecule is a propanoate ester, with a propyl chain attached to the 3-position of the imidazole ring.</p>		
Batch No.	-	CAS No.	NA
Analysis Date	23	Retest Date	5
Mol. Formula	C ₃₀ H ₃₂ N ₈ O ₆	Molecular Wt.	600.625
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
Signature			
Date			

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