



CERTIFICATE OF ANALYSIS

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1. Identification

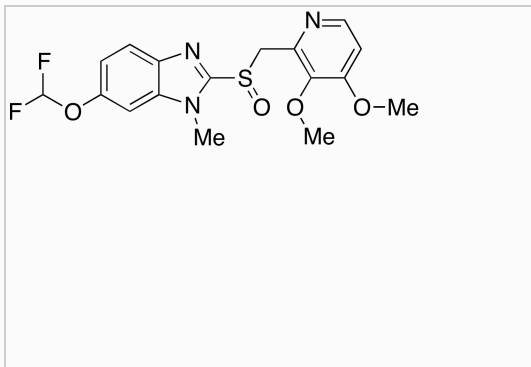
Catalogue Number: D451718

CAS Number: 721924-06-7

Product: 6-(Difluoromethoxy)-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl]sulfinyl]-1-methyl-1H-benzimidazole

Synonym: Pantoprazole EP Impurity

Structure:



Molecular Formula:

C₁₇H₁₇F₂N₃O₄S

Molecular weight:

397.4

Source of Product:

N/A

Solubility:

DMSO (Slightly, Sonicated),
Methanol (Slightly)

Lot Number: 1-PVA-170-1

Purity: 98%

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:
Elemental Analysis	Conforms	%C: 51.73, %H: 4.25, %N: 10.58
Appearance	Light Yellow to Light Beige Solid	Light Yellow to Light Beige Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	0.0° (c = 0.1, Methanol)
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.00% (205 nm)

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 ± 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	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	10/27/2021	10/25/2025

R. Lewis