



CERTIFICATE OF ANALYSIS

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1. Identification

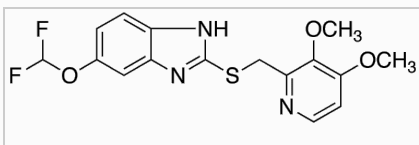
Catalogue Number: P183020

CAS Number: 102625-64-9

Product: Pantoprazole Sulfide

Synonym: 5-(Difluoromethoxy)-2-[[[(3,4-dimethoxy-2-pyridinyl)methyl]thio]-1H-benzimidazole; Pantoprazole Thioether; Pantoprazole EP Impurity B;

Structure:



Molecular Formula:

C₁₆H₁₅F₂N₃O₃S

Molecular weight:

367.37

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 1-PVA-71-1

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: 52.28, %H: 4.11, %N: 11.50
HPLC Purity	Report Result	99.08% (215 nm)
MS	Conforms to Structure	Conforms
Appearance	Off-White to Light Brown Solid	Pale Brown to Light Brown Solid
NMR	Conforms to Structure	Conforms
F NMR	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	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	7/19/2021	7/17/2025
				