

1. Identification

Catalogue Number

D451718

Lot Number

712251134-1-1

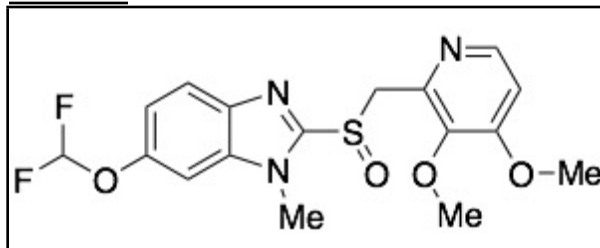
Product Name

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

Synonyms

Pantoprazole EP Impurity

Structure



CAS Number

721924-06-7

Solubility

DMSO (Slightly), Methanol (Very Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₇H₁₇F₂N₃O₄S

Source of Product

N/A

Long Term Storage Conditions

-20°C

Molecular Weight

397.4

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

Light Yellow to Light Brown Solid

Results

Light Brown Solid

NMR

Conforms to Structure

Conforms

F NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 50.94, %H: 4.18, %N: 10.42

HPLC Purity

>95%

98.55% (200 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 ± 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

Jessica Wang Chi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Nicole Badiali

Quality Assurance Associate

Test Date

7/15/2025

Retest Date

7/13/2029