

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP012073-01)

Release Date: 03/08/2022

Re-test Date: 02/08/2025

## Pantoprazole N-Oxide Impurity

### Identification

**Chemical Name :**

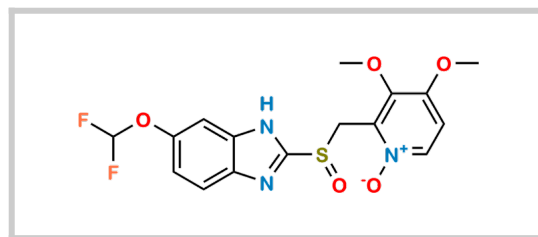
2-(((6-(Difluoromethoxy)-1H-benzo[d]imidazol-2-yl)sulfinyl)methyl)-3,4-dimethoxypyridine 1-oxide

CAT No. : KMP012073

CAS No. : 953787-60-5

Molecular Formula : C<sub>16</sub>H<sub>15</sub>F<sub>2</sub>N<sub>3</sub>O<sub>5</sub>S

Molecular Weight : 399.4



### Analytical Information

Batch No. : PEN-N-OXIDE-030-248

Description : Off White Solid

HPLC Purity : 99.05 %

Weight Loss By TGA : 0.29 %

% Potency : 98.76 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C NMR : Confirm

### Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.29(Weight Loss By TGA)] x [99.05(HPLC Purity)]/100 = 98.76 %

Remarks : COA Re-generated on 19.11.2024

-<sup>13</sup>CNMR added on 10.12.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		13/12/2024

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA