

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP012019-01)

Release Date: 13/09/2024

Re-test Date: 12/09/2027

## Pantoprazole Related Compound B

### Identification

**Chemical Name :**

5-(Difluoromethoxy)-2-[[[(3,4-dimethoxy)pyridin-2-yl)methyl]sulfanyl]-1H-benzimidazole

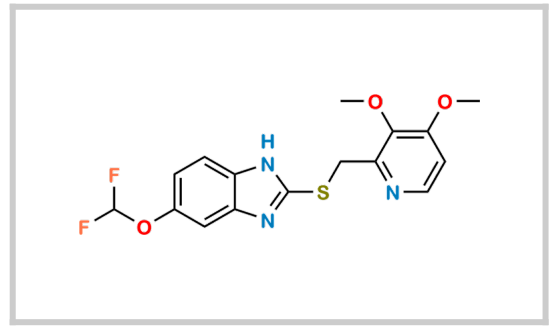
**Alt. Name** : Pantoprazole USP Related Compound B ; Pantoprazole Sulfide

**CAT No.** : KMP012019

**CAS No.** : 102625-64-9

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

**Molecular Weight** : 367.4



### Analytical Information

**Batch No.** : P012019-073-373

**Description** : Light Brown Solid

**HPLC Purity** : 99.01 %

**Weight Loss By TGA** : 2.32 %

**% Potency** : 96.71 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 2.32(Weight Loss By TGA)] x [99.01(HPLC Purity)]/100 = 96.71 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		13/09/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		13/09/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA