

# CERTIFICATE OF ANALYSIS

(Certificate No. KMP012001-01)

Release Date: 13/09/2024

Re-test Date: 12/09/2027

## Pantoprazole Related Compound A

### Identification

**Chemical Name :**

5-(difluoromethoxy)-2-(((3,4-dimethoxypyridin-2-yl)methyl)sulfonyl)-1H-benzo[d]imidazole

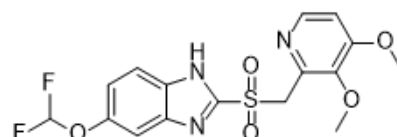
**Alt. Name** : Pantoprazole Sulfone ; Pantoprazole  
USP Related Compound A

**CAT No.** : KMP012001

**CAS No.** : 127780-16-9

**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** : 399.37



### Analytical Information

**Batch No.** : PEN-SUL-073-205

**Description** : Light Yellow Solid

**HPLC Purity** : 97.75 %

**Weight Loss By TGA** : 0.51 %

**% Potency** : 97.25 %

**Solubility** : ACN

**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 - 0.51(Weight Loss By TGA)] x [97.75(HPLC Purity)]/100 = 97.25 %  
-Re-tested on 13.09.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		13/09/2024

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