

# CERTIFICATE OF ANALYSIS

(Certificate No. KMO001012-01)

Release Date: 22/02/2024

Re-test Date: 21/02/2027

## OMEPRAZOLE 4-CHLORO ANALOG

### Identification

**Chemical Name :**

2-(((4-chloro-3,5-dimethylpyridin-2-yl)methyl)sulfinyl)-5-methoxy-1H-benzo[d]imidazole

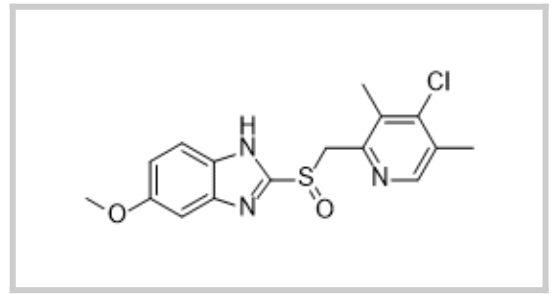
**Alt. Name** : 4-Desmethoxy-4-chloro Omeprazole

**CAT No.** : KMO001012

**CAS No.** : 863029-89-4

**Molecular Formula** : C<sub>16</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>2</sub>S

**Molecular Weight** : 349.84



### Analytical Information

**Batch No.** : OME-XII-073-082

**Description** : Light Brown Solid

**HPLC Purity** : 98.94 %

**Weight Loss By TGA** : 1.69 %

**% Potency** : 97.27 %

**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** =  $[100 - 1.69(\text{Weight Loss By TGA})] \times [98.94(\text{HPLC Purity})]/100 = 97.27 \%$

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Parag Patel		22/02/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		22/02/2024

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