

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

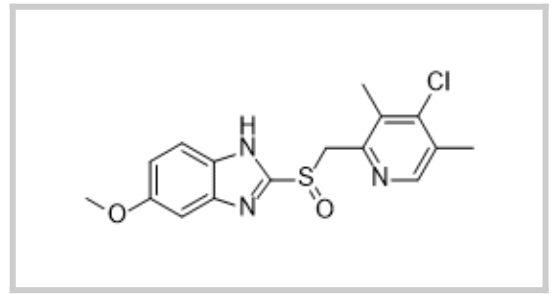
Alt. Name : 4-Desmethoxy-4-chloro Omeprazole

CAT No. : KMO001012

CAS No. : 863029-89-4

Molecular Formula : C₁₆H₁₆ClN₃O₂S

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

¹H 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
Prepared By	Analytical	Parag Patel		22/02/2024
Reviewed & Approved By	Quality Control	Jatin Patel		22/02/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA