

CERTIFICATE OF ANALYSIS

(Certificate No. KMO001007-01)

Release Date: 22/02/2024

Re-test Date: 21/02/2027

Omeprazole OME VII

Identification

Chemical Name :

9-methoxy-1,3-dimethyl-12-thioxobenzo[4',5']imidazo[2',1':2,3]imidazo[1,5-a]pyridin-2(12H)-one

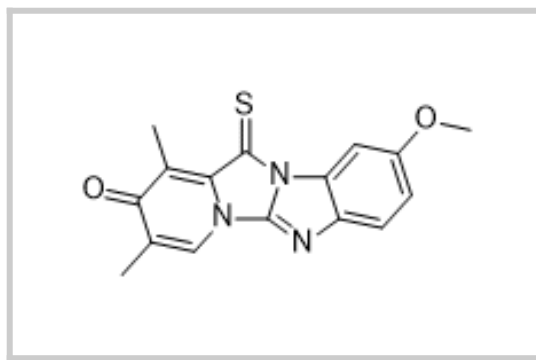
Alt. Name : Omeprazole BP Impurity G , Isomer of Omeprazole EP Impurity F , Omeprazole USP Related Compound G

CAT No. : KMO001007

CAS No. : 125656-83-9

Molecular Formula : C₁₆H₁₃N₃O₂S

Molecular Weight : 311.36



Analytical Information

Batch No. : OME-RCG-073-087

Description : Brown Solid

HPLC Purity : 93.15 %

Weight Loss By TGA : 1.92 %

% Potency : 91.36 %

Solubility : THF

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 = $[100 - 1.92(\text{Weight Loss By TGA})] \times [93.15(\text{HPLC Purity})]/100 = 91.36 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/02/2024
Reviewed & Approved By	Quality Control	Jatin Patel		22/02/2024

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