CERTIFICATE OF ANALYSIS

(Certificate No. KMO001007-03)

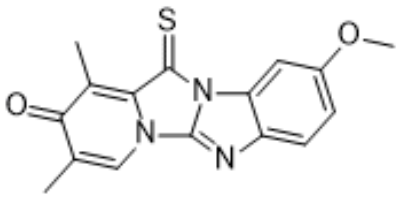
Release Date: 17/11/2026 **Re-test Date:** 16/11/2029

Omeprazole EP Impurity G

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.	: O001007-136-331	**Solubility**	: THF
Description	: Brown Solid	**Mass**	: Confirm
HPLC Purity	: 93.71 %	**IR**	: Confirm
Weight Loss By TGA	: 0.18 %	**1H NMR**	: Confirm
% Potency	: 93.54 %	**13C 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 - 0.18(Weight Loss By TGA)] x [93.71(HPLC Purity)]/100 = 93.54 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/11/2026
Reviewed & Approved By	Quality Control	Jatin Patel		17/11/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA