CERTIFICATE OF ANALYSIS

(Certificate No. KML003032-01)

Release Date: 28/09/2024 **Re-test Date:** 27/09/2027

Nitro Sulphide Impurity of Lansoprazole

Identification

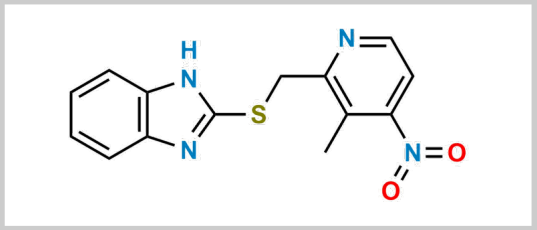
Chemical Name :
2-(((3-Methyl-4-nitropyridin-2-yl)methyl)thio)-1H-benzo[d]imidazole

CAT No. : KML003032

CAS No. : 152402-98-7

Molecular Formula : C14H12N4O2S

Molecular Weight : 300.3



Analytical Information

Batch No.	: L003032-073-395	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 98.58 %	**IR**	: Confirm
Weight Loss By TGA	: 4.10 %	**1H NMR**	: Confirm
% Potency	: 94.54 %		

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 - 4.10(Weight Loss By TGA)] x [98.58(HPLC Purity)]/100 = 94.54 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		28/09/2024

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