

CERTIFICATE OF ANALYSIS

(Certificate No. KML003014-01)

Release Date: 08/07/2024

Re-test Date: 07/07/2027

LAN SOPRAZOLE IMPURITY E

Identification

Chemical Name :

1H-Benzimidazole-2-thiol ; 2-Mercaptobenzimidazole ;

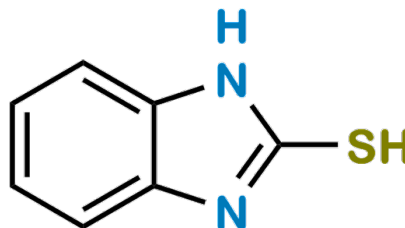
Alt. Name : Rabeprazole USP Related Compound
C ; Rabeprazole Mercapto Impurity

CAT No. : KML003014

CAS No. : 583-39-1

Molecular Formula : C₇H₆N₂S

Molecular Weight : 150.2



Analytical Information

Batch No. : MISC-2-MER-019-335

Description : White Solid

HPLC Purity : 99.76 %

Weight Loss By TGA : 0.20 %

% Potency : 99.56 %

Solubility : Acetonitrile

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 - 0.20(Weight Loss By TGA)] x [99.76(HPLC Purity)]/100 = 99.56 %
-Re-tested on 08.07.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		21/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		21/04/2025

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